



Works Approval

Environmental Protection Act 1986, Part V

Works Approval Holder: Saracen Gold Mines Pty Ltd

Works Approval Number: W5274/2012/1

Registered office: Level 4, 89 St Georges Terrace
 PERTH WA 6000

ACN: 116 649 122

Premises address: Carosue Dam Operations
 Mining tenements M31/209, M31/275 and L31/40
 Shire of Menzies WA 6436
 as depicted in Schedule 1.

Issue date: Thursday, 29 November 2012

Commencement date: Monday, 3 December 2012

Expiry date: Wednesday 2 December 2020

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	1 000 000 tonnes per year

Conditions

This Works Approval is subject to the conditions set out in the attached pages.

.....
Danielle Eyre
 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 W5274/2012/1 and issued under the *Act*;

'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 guidelines 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 Requirements¹		
Document	Parts	Date of Document
Monty's to Lake Rebecca Dewatering Discharge Pipeline – Application for Dewatering Works Approval, Saracen Gold Mines Pty Ltd	All, including Drawings and Appendices	August 2012
Email named – Re Monty's Dewatering by Briony Sinclair	All	7 September 2012
Email named – Re Monty's Dewatering by Briony Sinclair, Saracen Gold Mines Pty Ltd, Saracen Gold Mines Pty Ltd	All	21 September 2012
Email named – Re Monty's Dewatering by Briony Sinclair, Saracen Gold Mines Pty Ltd	All	27 November 2012
Email titled – P4 Application Monty's to Lake Rebecca Pipeline (WA5274) by Nicholas Jones, Saracen Gold Mines Pty Ltd	All	18 August 2015
Form P4, MON-APP-Monty's to Lake Rebecca, Nicholas Jones, Saracen Gold Mines Pty Ltd	All	18 August 2015

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.

5 Information

5.1 Reporting

5.1.1 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.

5.1.2 The compliance document shall:

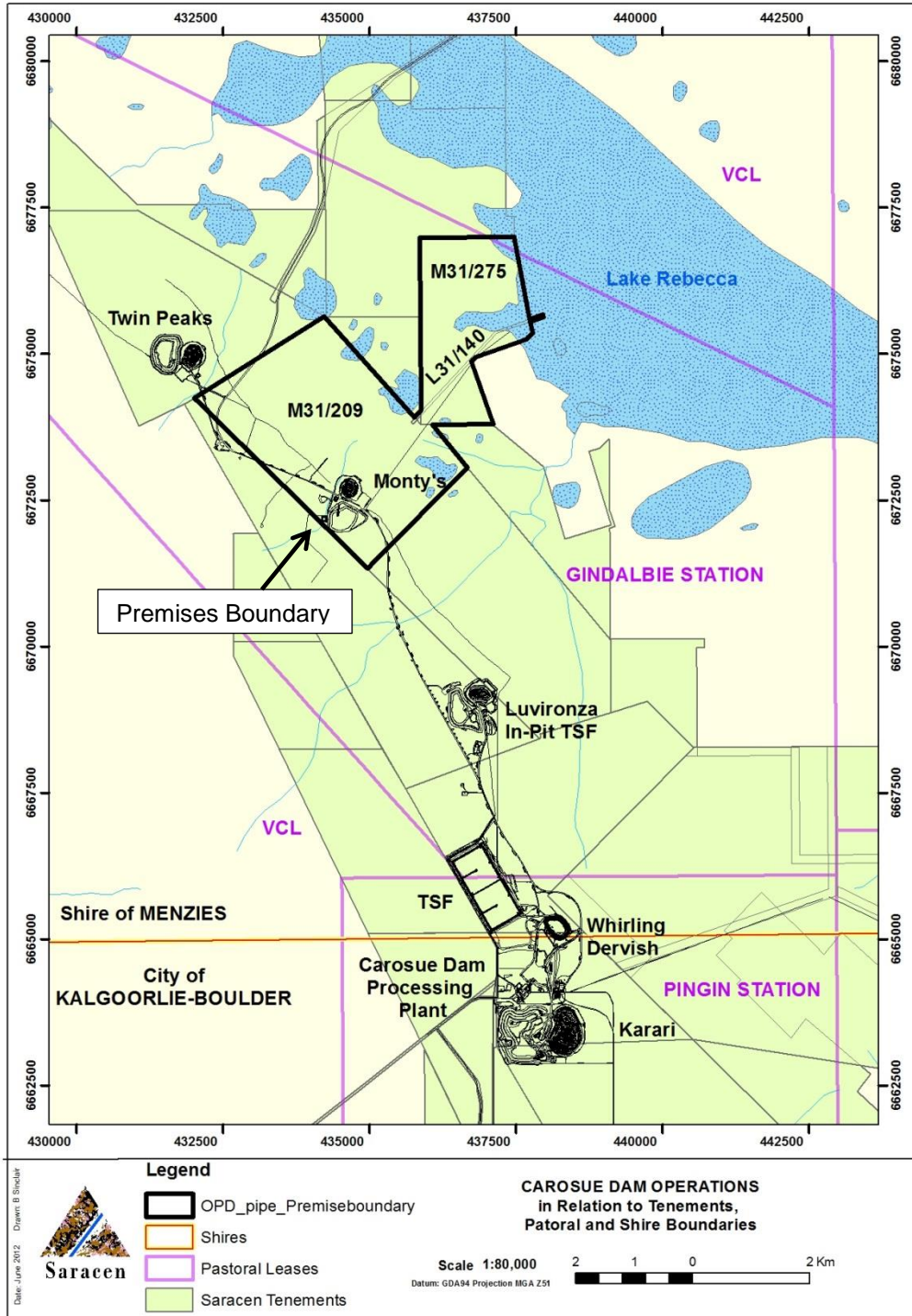
- (a) certify that the works were constructed in accordance with the conditions of the works approval;
- (b) be signed by a person authorised to represent the Works Approval Holder and contain the printed name and position of that person within the company.



Schedule 1: Maps

Premises map

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





Decision Document

Environmental Protection Act 1986, Part V

Proponent: Saracen Gold Mines Pty Ltd

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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: Fiona Sharpe
Licensing Officer

Decision Document authorised by: Danielle Eyre
Delegated Officer



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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	1 000 000 tpa
Application verified	Date: N/A	
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 checked="" type="checkbox"/> No <input type="checkbox"/>	Department of Water consulted Yes <input checked="" type="checkbox"/> No <input 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

Saracen is proposing to construct a pipeline from the Monty's pit to Lake Rebecca to allow discharge of excess mine dewater from the Carosue Dam Operations.

The proposal will require the installation of a pipeline from the Monty's pit to Lake Rebecca. The pipeline will run along an existing pastoral fence line and be buried except for the first 500 m where it will be bunded. Once the pipeline reached Lake Rebecca, it will be laid on the surface of the lake, a diffusion device will be installed at the end of the pipeline to slow and disperse the water and minimise scouring and erosion of the lake bed.

The pipeline will be DN250MM PN6.3 Polyethylene Co-Ex pipe, constructed and installed to Australian standards and Plastic Industry Pipe Association of Australia Limited (PIPA) Guideline POP003. The pipeline will be fitted with telemetry and auto shut-off to detect and control leaks. A flow meter will be installed on the discharge pipeline to determine the volume of water discharged.

An amendment to the Works Approval has been proposed to extend the expiry date from 2 December 2015 to 2 December 2020. During the original time of submission, the Whirling Dervish pit contained approximately 700 000 kL of water. Since the Works Approval was issued, Saracen has managed the water, successfully dewatering it without the need to discharge to Lake Rebecca. Instead, the water has been used within the processing plant.

Under the current mining schedule, operations will see development of the Karari Underground Project and the Whirling Dervish Underground Project within the next 2-3 years. If dewatering rates exceed process water demand, Saracen intends to construct the Monty's to Lake Rebecca dewatering pipeline to manage the surplus water. There are no changes to the proposal other than the expiry date. DER has not re-assessed the acceptability or impacts of emissions and discharges from the Premises or re-visited any existing emission control levels. No changes to the conditions of the Works Approval have been made.



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
Licence Duration	N/A	The duration of the Works Approval has been extended for a further five years. The expiry date is now 2 December 2020. The duration of this Works Approval is in accordance with DER's Guidance Statement for Licence Duration.	Applicant supporting document and p4 application Guidance Statement for Licence Duration



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
29/10/2012	Application advertised in West Australian (or other relevant newspaper)	None received	N/A
29/10/2012	Application referred to interested parties listed Department of Mines and Petroleum Shire of Menzies Department of Water	None received	N/A
03/09/2015	Proponent sent a copy of draft amended instrument	None received	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