



Works Approval

Environmental Protection Act 1986, Part V

Works Approval Holder: Southern Gold Limited

Works Approval Number: W5600/2014/1

Registered office: 229 Greenhill Road
DULWICH SA 5065

ACN: 107 424 519

Premises address: Cannon Gold Mine
Part of M25/333
KALGOORLIE WA 6430
As depicted in Schedule 1

Issue date: Thursday, 10 April 2014

Commencement date: Monday, 14 April 2014

Expiry date: Thursday, 13 April 2017

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
89	Putrescible landfill site: premises on which waste (as determined by reference to the waste type set out in the document entitled "Landfill Waste Classification and Waste Definitions 1996" published by the Chief Executive Officer, as amended from time to time) is accepted for burial.	More than 20 but less than 5 000 tonnes per year	30 tonnes per year

Conditions

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

Date signed: 10 April 2014

.....
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*;

'annual period' means the inclusive period from 1 April until 31 March in the following year;

'code of practice for the storage and handling of dangerous goods' means document titled "Storage and handling of dangerous goods: Code of Practice" published by the Department of Mines and Petroleum, as amended from time to time;

'dangerous goods' has the meaning defined in the *Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007*;

'Director' means Director, Environmental Regulation Division of the Department of Environment Regulation for and on behalf of the Chief Executive Officer as delegated under section 20 of the Act;

'Director' for the purpose of correspondence means;
Regional Leader – Industry Regulation (Goldfields)
Department of Environment Regulation
PO Box 10173
KALGOORLIE WA 6433
Telephone: (08) 9080 5555
Facsimile: (08) 9021 7831
Email: Kalgoorlie@der.wa.gov.au;

'environmentally hazardous material' means material (either solid or liquid raw materials, materials in the process of manufacture, manufactured products, products used in the manufacturing process, by-products and waste) which if discharged into the environment from or within the premises may cause pollution or environmental harm. Note: Environmentally hazardous materials include dangerous goods where they are stored in quantities below placard quantities. The storage of dangerous goods above placard quantities is regulated by the Department of Mines and Petroleum;

'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 W5600/2014/1 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 Requirements ¹		
Document	Parts	Date of Document
Works Approval Application Form	All	23 January 2014
Cannon Gold Mine: Putrescible Landfill Site Works Approval Supporting Documentation, Southern Gold	All	January 2014
Email correspondence entitled "Cannon Gold Mine Landfill Works Approval" received from Ian Blucher, Friday, 31 January 2014 11:17AM	All	31 January 2014

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.

- 1.2.2 The Works Approval Holder, except where storage is prescribed in section 1.3, shall ensure that environmentally hazardous materials are stored in accordance with the code of practice for the storage and handling of dangerous goods.

1.3 Premises operation

There are no specified conditions relating to Premises operation in this section.

2 Emissions

There are no specified conditions relating to emissions in this section.

3 Monitoring

There are no specified conditions relating to monitoring in this section.

4 Improvements

There are no specified conditions relating to improvements in this section.

5 Information

5.1 Reporting



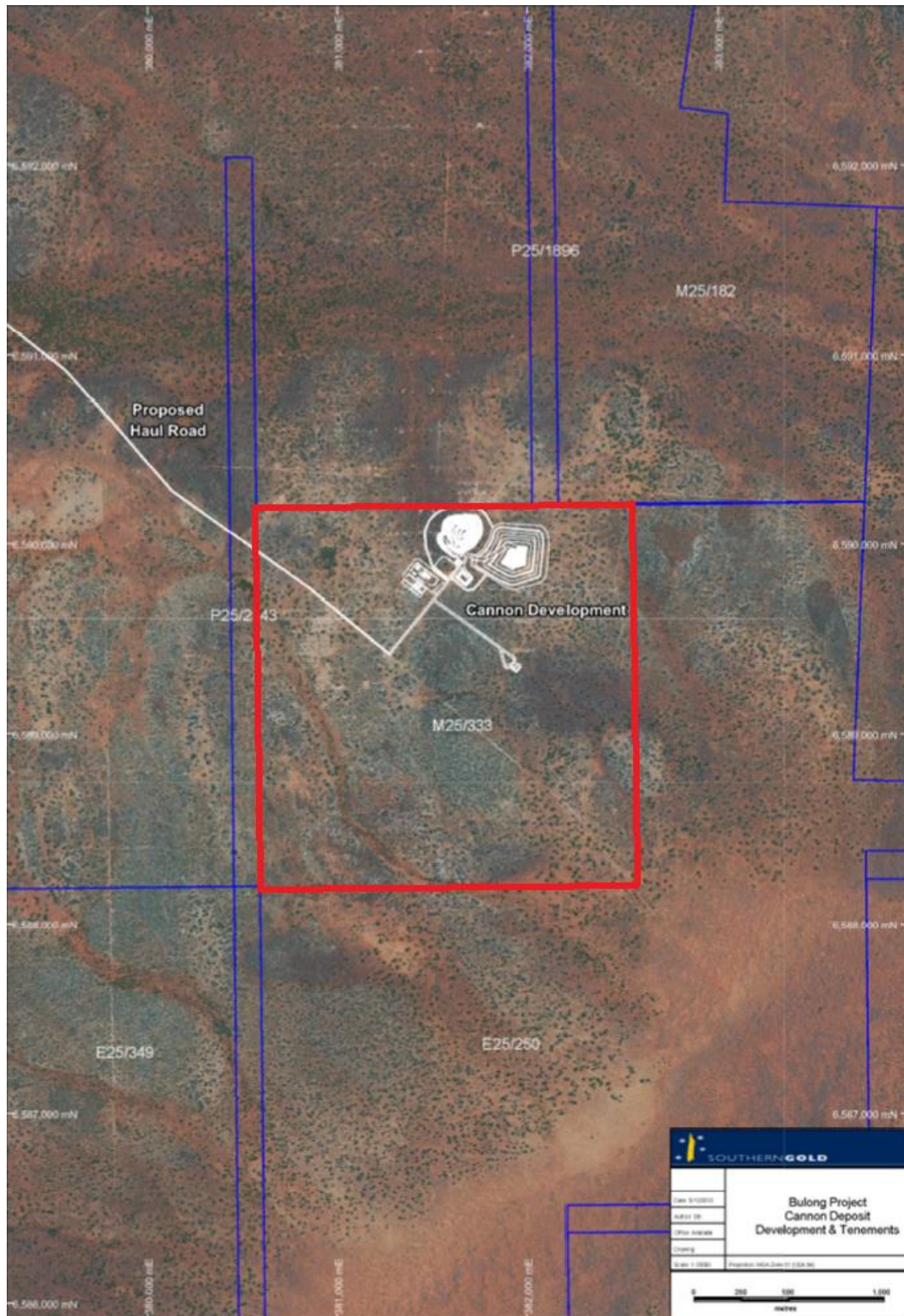
- 5.1.1 The Works Approval Holder shall submit a compliance document to the Director, following the construction of the works and prior to commissioning of the same.
- 5.1.2 The compliance document shall:
 - (a) certify that the works were constructed in accordance with the conditions of the works approval; 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 red line depicts the tenement boundary; Figure 1 shows the proposed location of the waste disposal trenches in red.



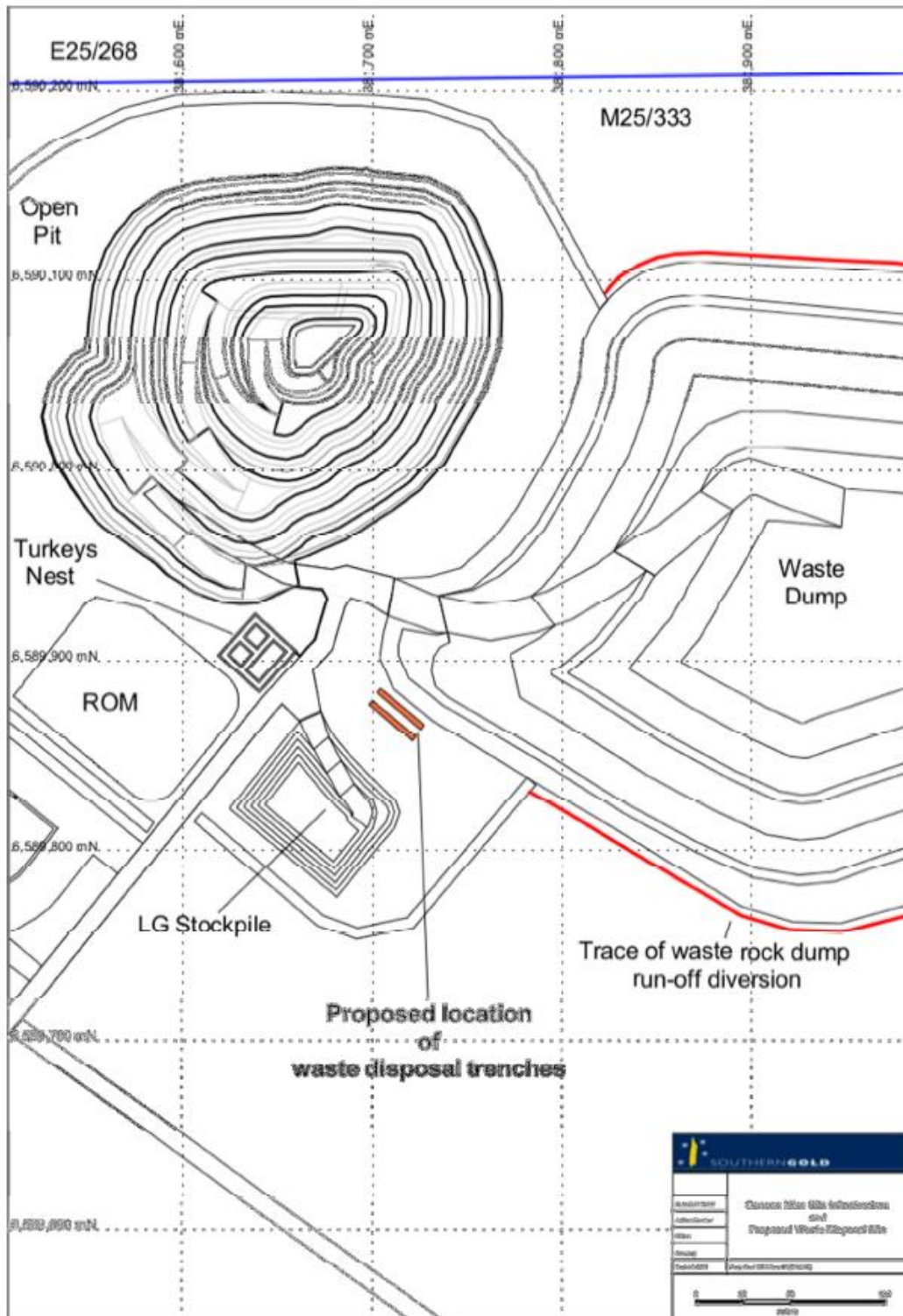


Figure 1. Proposed location of Cannon waste disposal trenches



Decision Document

Environmental Protection Act 1986, Part V

Proponent: Southern Gold Limited

Works Approval: W5600/2014/1

Registered office: 229 Greenhill Road
DULWICH SA 5065

ACN: 107 424 519

Premises address: Cannon Gold Mine
M25/333
KALGOORLIE WA 6430

Issue date: Thursday, 10 April 2014

Commencement date: Monday, 14 April 2014

Expiry date: Thursday, 13 April 2017

Decision

Based on the assessment detailed in this document, the Department of Environment Regulation (DER), has decided to issue a works approval. DER considers that in reaching this decision, it has taken into account all relevant considerations.

Decision Document prepared by:

Candace Godley
Regional Environmental Officer
(Goldfields)

Decision Document authorised by:

James Milne
A/Regional Leader - Industry Regulation
(Goldfields)



Contents

Decision Document	1
Contents	2
1 Purpose of the Decision Document	2
2 Administrative summary	3
3 Executive summary of proposal	4
4 Decision table	5
5 Advertisement and consultation table	12
6 Emissions and discharges risk assessment framework	13
Appendix 1	14

1 Purpose of the Decision Document

This Decision Document explains how DER has assessed and determined the application for a works approval or licence 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.

Works approval and licence conditions

DER has three types of conditions that may be imposed on works approvals and licences. They are as follows:

Standard conditions

DER has standard conditions that are imposed on all works approvals and licences regardless of the activities undertaken on the Premises and the information provided in the application. These are included as the following conditions on works approvals and licences:

Works approval conditions: 1.1.1-1.1.4, 1.2.1, 1.2.2, 5.1.1 and 5.1.2.

Licence conditions: 1.1.1-1.1.4, 1.2.1-1.2.4, 5.1.1-5.1.4 and 5.2.1.

For such conditions, justification within the Decision Document is not provided.

Optional standard conditions

In the interests of regulatory consistency DER has a set of optional standard conditions that can be imposed on works approvals and licences. DER will include optional standard conditions as necessary, and are likely to constitute the majority of conditions in any licence. The inclusion of any optional standard conditions are justified in section 4 of this document.

Non standard conditions

Where the proposed activities require conditions outside the standard conditions suite DER will impose one or more non-standard conditions. These include both premises and sector specific conditions, and are likely to occur within few licences. Where used, justification for the application of these conditions will be included in section 4.



2 Administrative summary

Administrative details		
Application type	Works Approval <input checked="" type="checkbox"/> New Licence <input type="checkbox"/> Licence amendment <input type="checkbox"/> Works Approval amendment <input type="checkbox"/>	
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	89	30 tonnes per annual period
Application verified	Date: 03 February 2014	
Application fee paid	Date: 10 February 2014	
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

Southern Gold Limited (Southern Gold) is an exploration company which was founded in 2005 and is based in Adelaide, South Australia. The Cannon Gold Mine will be the first mining operation for the company. Southern Gold's Cannon Gold Mine will be located in the Eastern Goldfields region of Western Australia, approximately 28km east-southeast of Kalgoorlie-Boulder and approximately 8km south-southwest of the abandoned town site of Bulong.

The Cannon Gold Mine will operate as an open pit and underground mine for a period of three years commencing in the June quarter of 2014. It is expected to produce approximately 484,000 tonnes of ore. The mined ore will be processed at a nearby mill in the district, so no processing plant or tailings storage facility will be on site. Employees and contractors will commute to site daily from Kalgoorlie; therefore no accommodation will be required on site. The infrastructure that will be constructed includes a transportable mine office, change room and ablutions, workshop for servicing light and heavy vehicles, wash-down bay and triple interceptor, plus bunding for the storage of hydrocarbons. The mine will be a greenfields operation and the mine and all works in the proposal are to be located within M25/333. This works approval relates to the Cannon Gold Mine site.

Southern Gold proposes to construct a putrescible landfill site to appropriately dispose of putrescible and inert waste material generated from mining operations. The landfill will be constructed adjacent to the waste rock dump as depicted in Appendix 1. The volumes of waste are not expected to exceed 10m³ of putrescible and inert waste per a month, with an estimated tonnage of waste produced by this volume to be approximately 2.5 tonnes per month, or 30 tonnes per year. A total volume of waste estimated to be produced over the three years is 360m³ and the design volume of each trench used for the landfill to be approximately 190m³.

Windrows, approximately 1.5m high will be constructed from material removed from the trench during construction to assist in preventing windblown waste and to allow stormwater to be diverted away from the trench. Upon completion of the first trench, a second trench will be constructed parallel to the initial trench. A fence will be constructed to prevent fauna and livestock accessing the landfill.

Flora surveying in the mine area has been undertaken with 37 fauna species recorded in this area and out of 16 conservation significant fauna species which could be expected to be found in the area, only three were found during field surveying. The Cannon mine site is located within the catchment of Lake Yindarlgooda on a ridge between two local sub-catchments which drain south east towards Stumpy Dam and Quodong Dam with the main flow paths from these two catchments passing about 1km north and south of the project area. The mine site does not interrupt any major creek lines but minor flow paths may potentially be impacted. Depths to ground water range from between 40 to 46 metres below ground level (mBGL) at the site.

The purpose of this Decision Document is to assess the proposed design, construction and operation of a putrescible landfill site on the Cannon gold mine site.



4 Decision table

All applications are assessed under the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987*, DER's *Policy Statement - Limits and targets for prescribed premises* (2006), the risk matrix found in Section 6 and DER's Industry Regulation Emissions and Discharges Assessment Framework. Where other references have been used in making the decision they are detailed in the decision table.

DECISION TABLE				
Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
General conditions	W1.2 Registration (Reg.)	N/A	<p>Construction and operation</p> <p><i>Emission Significance</i> - 1</p> <p><i>Socio-political context</i> - No concern or interest.</p> <p><i>Risk Assessment</i> – E – No regulation, other management mechanisms</p> <p>Standard general conditions 1.2.1 and 1.2.2 have been included in the works approval. There are no additional general conditions relating to the premises during the construction and operation.</p> <p>The landfill will operate under a Registration as per regulation 5B of the <i>Environmental Protection Regulations 1987</i>. The premises will therefore need to operate the landfill in accordance with the <i>Environmental Protection (Rural Landfill) Regulations 2002</i>. These regulations apply to and in respect of premises specified in Schedule 1 Part 2 of the <i>Environmental Protection Regulations 1987</i> as category 89 premises and registered under regulation 5B of those regulations.</p> <p>Additional detail on how the proponent proposes to meet requirements of the Rural Landfill Regulations is provided under the Emissions to land section of this table.</p>	<p>Application supporting documentation</p> <p><i>Environmental Protection (Rural Landfill) Regulations 2002</i></p> <p>Provisions of the <i>Environmental Protection Act 1986</i></p>



DECISION TABLE				
Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
Emissions general	W2 Reg.	N/A	Construction and operation No specific conditions have been applied to the works approval related to general emissions.	N/A
Point source emissions to air including monitoring	W2 and 3 Reg.	N/A	Construction and operation <i>Emission Significance</i> - 1 <i>Socio-political context</i> - No concern or interest. <i>Risk Assessment</i> – E – No regulation, other management mechanisms No significant point source air emissions are expected from the construction or operation of the landfill. No specified conditions relating to point source emissions to air or the monitoring of these emissions are required to be added to the works approval.	Application supporting documentation <i>Environmental Protection (Rural Landfill) Regulations 2002</i> Provisions of the <i>Environmental Protection Act 1986</i> .
Point source emissions to surface water including monitoring	W2 Reg.	N/A	Construction and Operation <i>Emission Significance</i> – 1 <i>Socio-political context</i> – No concern or interest <i>Risk Assessment</i> – E – no regulation, other management mechanisms There will be no point source emissions to water during construction or operation of the landfill. The nearest significant surface water body, Lake Yindarlgooda is approximately 9km away to the east. The potential for discharge to water is minimal, however bunding will be used to ensure there is no pooling of surface water. No specified conditions relating to point source emissions to water or the monitoring of such emissions are required to be added to the works approval.	Application supporting documentation <i>Environmental Protection (Rural Landfill) Regulations 2002</i> Provisions of the <i>Environmental Protection Act 1986</i>



DECISION TABLE				
Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
Point source emissions to groundwater including monitoring	W2 Reg.	N/A	<p>Construction and operation</p> <p><i>Emission Significance</i> - 1</p> <p><i>Socio-political context</i> - No concern or interest.</p> <p><i>Risk Assessment</i> – E – No regulation, other management mechanisms</p> <p>There will be no point source emissions to water during construction or operation of the landfill. Depths to groundwater at the landfill site will be approximately 28mBGL. No specific conditions relating to point source emissions to groundwater or the monitoring of these emissions are required to be added to the Works Approval.</p>	<p>Application supporting documentation.</p> <p><i>Environmental Protection (Rural Landfill) Regulations 2002</i></p> <p>General provisions of the <i>Environmental Protection Act 1986</i>.</p>
Emissions to land including monitoring	W2 Reg.	N/A	<p>Construction</p> <p><i>Emission Significance</i> - 1</p> <p><i>Socio-political context</i> - No concern or interest.</p> <p><i>Risk Assessment</i> – E – No regulation, other management mechanisms</p> <p>During construction, the proposed landfill will comply with the provisions of the <i>Environmental Protection (Rural Landfill) Regulations 2002</i> through the implementation of the following measures:</p> <ul style="list-style-type: none"> • The landfill tipping area will not exceed 30m in length and 2m above ground level (<i>regulation 5</i>); • Waste will be completely covered monthly with inert material, no sulphidic material will be used as cover material (<i>regulation 6</i>); • Waste will be contained to the site through bunding with material washed or blown from the tipping area collected and returned at least monthly (<i>regulation 8</i>); 	<p>Application supporting documentation.</p> <p><i>Environmental Protection (Rural Landfill) Regulations 2002</i></p> <p>General provisions of the <i>Environmental Protection Act 1986</i>.</p>



DECISION TABLE				
Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
			<ul style="list-style-type: none"> The landfill trenches will be located more than 100m from any surface water (<i>regulation 9</i>); The base of the landfill will be separated from the water table by more than 3m with groundwater level being approximately 38mBGL (<i>regulation 9</i>); No clinical waste or waste containing asbestos minerals will be disposed of onsite (<i>regulation 15</i>); A firebreak of at least 3m wide will be constructed around the site (<i>regulation 12</i>); Response to a fire will be to quickly extinguish as soon as practicable (<i>regulation 14</i>). <p>No conditions will be required for the works approval. Southern Gold will be required to comply with the <i>Environmental Protection (Rural Landfill) Regulations 2002</i>.</p> <p>Operation <i>Emission Significance</i> - 1 <i>Socio-political context</i> - No concern or interest. <i>Risk Assessment</i> – E – No regulation, other management mechanisms</p> <p>Up to 30 tonnes per annum of putrescible waste will be disposed of at this landfill. There is potential for leachate from the landfill to discharge to land, resulting in groundwater contamination.</p> <p>The risk to groundwater contamination resulting from the operation of the landfill is considered low, given:</p> <ul style="list-style-type: none"> Surface water is to be diverted around the landfill which will minimise the generation of leachate (<i>regulation 10</i>); 	



DECISION TABLE				
Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
			<ul style="list-style-type: none"> Storm water entering the site will be contained in a sump located on-site (<i>regulation 10</i>); There is sufficient depth to groundwater (approximately 38mBGL) (<i>regulation 9</i>). <p>Bunding will be constructed surrounding the trench to divert stormwater away from the waste and to prevent contamination.</p>	
Fugitive emissions	W2 Reg.	N/A	<p>Construction and operation <i>Emission Significance - 1</i> <i>Socio-political context - No concern or interest.</i> <i>Risk Assessment – E – No regulation, other management mechanisms</i></p> <p>Some dust may be generated during construction and operation of the landfill. The closest sensitive receptor is located 8km away, so the risk of minor dust emissions reaching the sensitive receptor is low. Southern Gold will manage potential dust emissions from the site by watering down at appropriate intervals. In addition, no fires will be allowed to be lit at the site,</p> <p>No specific conditions will need to be included in the Works Approval. Southern Gold will be required to comply with the <i>Environmental Protection (Rural Landfill) Regulations 2002</i>, in particular Regulation 11 for dust emissions; <i>The occupier of a landfill site must ensure that no visible dust escapes from the landfill site</i> and Regulation 13 for burning of greenwaste.</p>	<p>Application supporting documentation.</p> <p><i>Environmental Protection (Rural Landfill) Regulations 2002</i></p> <p>General provisions of the <i>Environmental Protection Act 1986</i>.</p>



DECISION TABLE				
Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
Odour	W2 Reg.	N/A	<p>Construction and operation <i>Emission Significance</i> - 1 <i>Socio-political context</i> - No concern or interest. <i>Risk Assessment</i> – E – No regulation, other management mechanisms</p> <p>Odour emissions are expected to be minimal as waste will be covered monthly and the landfill is located 8km away from the nearest sensitive receptor. No specified conditions relating to odour emissions are required for the works approval.</p>	<p>Application supporting documentation.</p> <p><i>Environmental Protection (Rural Landfill) Regulations 2002</i></p> <p>General provisions of the <i>Environmental Protection Act 1986</i>.</p>
Noise	W2 Reg.	N/A	<p>Construction and operation <i>Emission significance</i> – 1 <i>Socio-political context</i> – no concern or interest <i>Risk assessment</i> – E – no regulation, other management mechanisms</p> <p>Noise emissions will not be significant with the construction and operation of the landfill. The closest sensitive receptor is located 8km away; therefore any noise generated from earthmoving machinery is not expected to be an issue. No specified noise conditions are required for the Works Approval.</p>	<p>Application supporting documentation.</p> <p>General provisions of the <i>Environmental Protection Act 1986</i>.</p> <p><i>Environmental Protection (Noise) Regulations 1997</i>.</p>
Monitoring general	W3 Reg.	N/A	<p>Construction and operation There are no specified conditions related to monitoring required for the Works Approval.</p>	N/A
Monitoring of inputs and outputs	W3 Reg.	N/A	<p>Construction and operation Monitoring of inputs and outputs are not required for this Works Approval.</p>	N/A



DECISION TABLE				
Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
Process monitoring	W3 Reg.	N/A	Construction and operation There are no requirements for process monitoring to be undertaken during construction or operation of the landfill facility given the low complexity of the processes involved. No specified conditions relating to process monitoring have been included on the Works Approval.	N/A
Ambient quality monitoring	W3 Reg.	N/A	Construction and operation The risk assessment of dust and odour emissions during construction and operation of the landfill have been identified to be minor and no specified ambient environmental monitoring is required for the works approval.	General provisions of the <i>Environmental Protection Act 1986</i> .
Meteorological monitoring	W3 Reg.	N/A	Construction and operation Meteorological monitoring is not required for this Works Approval.	N/A
Improvements	W4 Reg.	N/A	Construction and operation This proposal is a new premise. Environmental management measures proposed by Southern Gold have been assessed as adequate to control emissions and discharges from the Premises. The plant will operate under a registration and will comply with the <i>Environmental Protection (Rural Landfill) Regulations 2002</i> . No improvements are required at this time.	<i>Environmental Protection (Rural Landfill) Regulations 2002</i>
Information	W5.1 Reg.	OSC	Standard reporting conditions including the submission of a compliance document to the director following the construction of the works and prior to commissioning of the same.	General Provisions of the <i>Environmental Protection Act 1986</i>



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
17/02/2014	Application advertised in <i>The West Australian</i> newspaper (or other relevant newspaper)	No comments received	
13/02/2014	Application referred to interested parties listed City of Kalgoorlie-Boulder	No comments received	
07/04/2014	Proponent sent a copy of draft instrument	No comments received	



6 Emissions and discharges risk assessment framework

Note: These matrix are taken from the DEC Officer's Guide to Emissions and Discharges Risk Assessment (2006).

Table 3: Measures of Significance of Emissions

Emissions as a percentage of the relevant emission or ambient standard		Worst Case Operating Conditions (95 th Percentile)			
		>100%	50 – 100%	20 – 50%	<20%*
Normal Operating Conditions (50 th Percentile)	>100%	5	N/A	N/A	N/A
	50 – 100%	4	3	N/A	N/A
	20 – 50%	4	3	2	N/A
	<20%*	3	3	2	1

*For reliable technology, this figure could increase to 30%

Table 4: Socio-Political Context of Each Regulated Emission

		Relative proximity of the interested party with regards to the emission				
		Immediately Adjacent	Adjacent	Nearby	Distant	Isolated
Level of Community Interest or Concern*	5	High	High	Medium High	Medium	Low
	4	High	High	Medium High	Medium	Low
	3	Medium High	Medium High	Medium	Low	No
	2	Low	Low	Low	Low	No
	1	No	No	No	No	No

Note: These examples are not exclusive and professional judgement is needed to evaluate each specific case

*This is determined by DER using the *Officer's Guide to Emissions and Discharges Risk Assessment* (2006).

Table 5: Emissions Risk Reduction Matrix

		Significance of Emissions				
		5	4	3	2	1
Socio-Political Context	High	A	A	B	C	D
	Medium High	A	A	B	C	D
	Medium	A	B	B	D	E
	Low	A	B	C	D	E
	No	B	C	D	E	E

PRIORITY MATRIX ACTION DESCRIPTORS

A = Do not allow (fix)

B = licence condition (setting limits + EMPs - short timeframes) (setting targets optional)

C = licence condition (setting targets + EMPs - longer timeframes)

D= EIPs, other management mechanisms/licence conditions (monitoring/reporting)/other regulatory tools

E = No regulation, other management mechanisms

Appendix 1

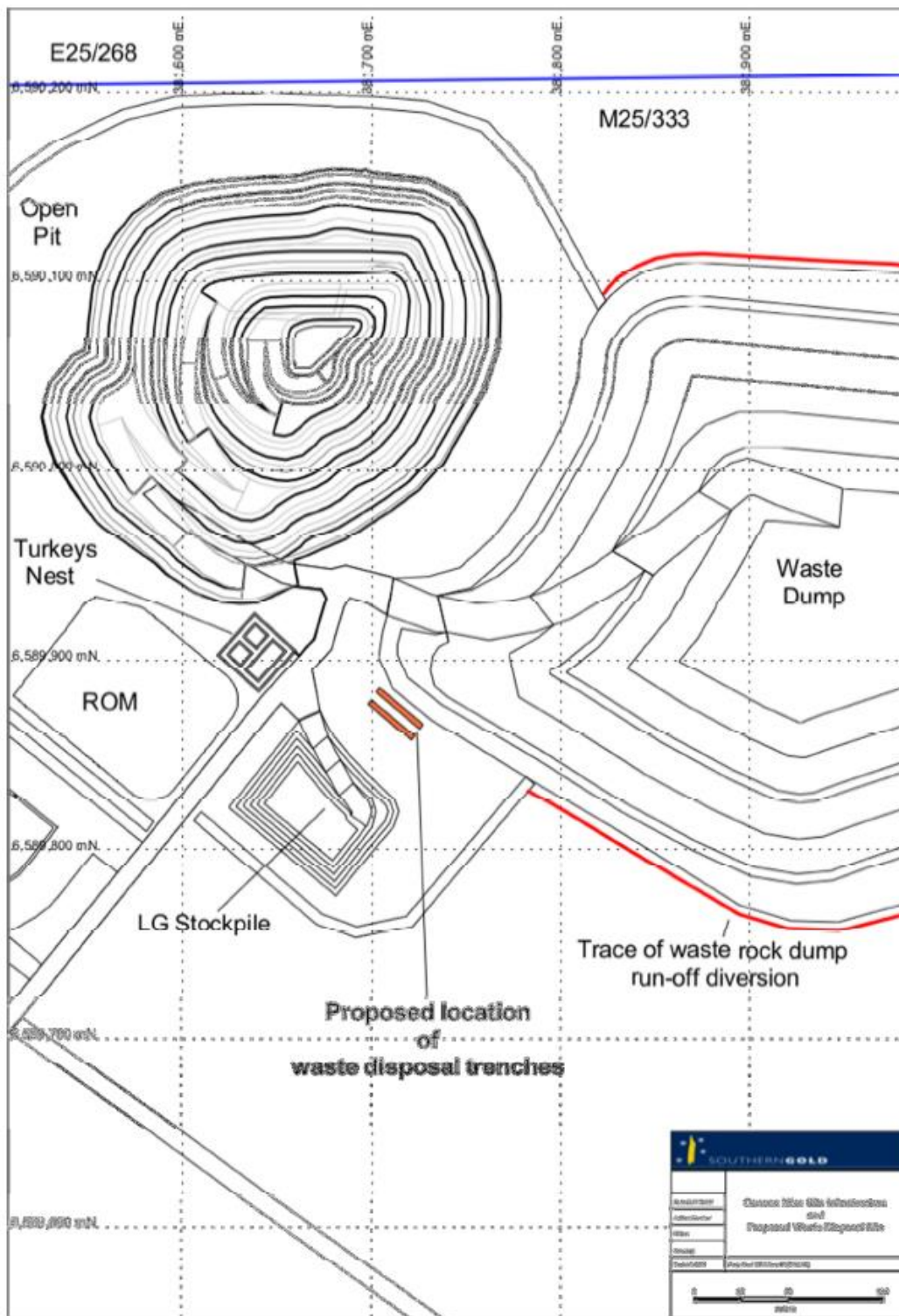


Figure 1. Proposed location of Cannon waste disposal trenches