



Amendment Report

Licence Number	L4611/1987/11
Licence Holder	Agnew Gold Mining Company Pty Ltd
ACN	098 385 883
File Number:	2012/006836-1
Premises	Agnew Gold Mine Mining tenements M36/27, M36/32, M36/53, M36/55, M36/65, M36/150, M36/174, M36/248, M36/314, M36/450 and L36/174 LEINSTER WA 6437 As defined in Schedule 1
Date of Report	07/07/2020
Decision	Revised Licence Granted

1. Definitions

In this Amendment Report, the terms in Table 1 have the meanings defined.

Table 1: Definitions

Term	Definition
ACN	Australian Company Number
Amendment Report	refers to this document
Category/ Categories	categories of Prescribed Premises as set out in Schedule 1 of the EP Regulations
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Chief Executive Officer Department Administering the Environmental Protection Act 1986 Locked Bag 10 JOONDALUP DC WA 6027 Telephone: (08) 6367 7000 Facsimile: (08) 6367 7001 Email: info@dwer.wa.gov.au
Delegated Officer	an officer under section 20 of the EP Act
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V, Division 3 of the EP Act.
DWER	Department of Water and Environmental Regulation
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
Existing Licence	The Licence issued under Part V, Division 3 of the EP Act and in force prior to the commencement of and during this Review
Licence Holder	Agnew Gold Mining Company Pty Ltd
Prescribed Premises	has the same meaning given to that term under the EP Act.
Premises	refers to the premises to which this Amendment Report applies, as specified at the front of this Amendment Report.
Revised Licence	the amended Licence issued under Part V, Division 3 of the EP Act, with changes that correspond to the assessment outlined in this Amendment Report.
Risk Event	as described in <i>Guidance Statement: Risk Assessment</i>

2 Overview of premises

2.1 Classification of Premises

Table 2: Classification of premises and assessed design capacity

Category number	Category Description	Category production or design capacity	Approved Premises production or design capacity
5	Processing or beneficiation of metallic or non-metallic ore: premises on which – (a) metallic or non-metallic ore is crushed, ground, milled or otherwise processed; or (b) tailings from metallic or non-metallic ore are reprocessed; or (c) tailings or residue from metallic or non-metallic ore are discharged into a containment cell or dam.	50 000 tonnes or more per year	1 300 000 tonnes per annual period
6	Mine dewatering: premises on which water is extracted and discharged to the environment to allow mining of ore.	50 000 tonnes or more per year	2,000,000 tonnes per annual period
89	Putrescible landfill site: premises (other than clean fill premises) on which waste of a type permitted for disposal for this category of prescribed premises, in accordance with the Landfill Waste Classification and Waste Definitions 1996, is accepted for burial.	More than 20 but less than 5 000 tonnes per year	4 000 tonnes per annual period

2.2 Description of proposed activity

The Licence Holder submitted an application on 7 April 2020 to increase the approved area of the New Holland landfill (Category 89). There is no proposed change to the throughput of any Prescribed Premises Category. The expanded area encompasses the whole of the New Holland Waste Rock Dump (WRD) to give additional capacity and maximum flexibility of landfill location within the WRD. The proposed new area of the New Holland landfill is show in Figure 1.

The Licence Holder has also requested an update to the maps of monitoring locations, to make them clearer.

DWER will also take this opportunity to remove maps and figures added to Schedule 1 in error in the amalgamation of Amendment Notice 1 into the licence (December 2019). They were in the amendment notice as part of the assessment but not part of the authorised amendment, therefore should not have been added to the licence instrument itself. The definition of Category 89 in Schedule 2 has also been corrected.



Figure 1: proposed expanded New Holland landfill

2. Amendment history

Table 3: Licence amendments processed

Instrument	Issued	Amendment
L4611/1987/9	23/08/2004	Licence reissue for 5 years tenure.
L4611/1987/10	15/10/2009	Licence reissue for 4 years tenure.
L4611/1987/11	17/10/2013	Licence transfer and reissue with 5 year tenure.
L4611/1987/11	29/04/2016	Department initiated amendment in accordance with section 59(1)(k) of the <i>Environmental Protection Act 1986</i> to amend the duration of the licence date month year.
L4611/1987/11	26/05/2016	Licence amendment – Addition of mining tenements from L5110 and prescribed activity category 6. Abandoned monitoring bores and redundant licence conditions were removed plus alignment to most recent licence format.
L4611/1987/11	8/09/2017	Amendment Notice 1: to construct and operate an In-pit TSF at the Songvang open pit site and increase dewatering throughput.
L4611/1987/11	23/12/2019	Amendment to reduce required freeboard on TSF3, add Waroonga North landfill facility and remove satisfied conditions. A consolidated licence was issued incorporating Amendment Notice 1 and updating to the current licence format.

3. Location and receptors

There are no sensitive land uses or receptors in the vicinity of the Prescribed Premises relevant to the proposed amendment. The nearest residence is 22km South East of the Prescribed Premises boundary.

There are no sensitive environmental receptors (in accordance with the *Guidance Statement: Environmental Siting*) in the vicinity of the Prescribed Premises. Environmental receptors may include

- native vegetation within and surrounding the Prescribed Premises
- fauna who inhabit or visit the area; and
- groundwater.

4. Risk assessment

Table 4 below describes the Risk Events associated with the amendment consistent with the *Guidance Statement: Risk Assessments*. The table identifies whether the emissions present a material risk to public health or the environment, requiring regulatory controls.

Table 4: Risk assessment for proposed amendments during operation

Risk Event				Consequence rating ¹	Likelihood rating ¹	Risk ¹	Reasoning	Regulatory controls (refer to conditions of the granted instrument)
Source/ Activities	Potential emissions	Potential receptors, pathway and impact	Applicant controls					
Operation of Expanded New Holland landfill	Odour from putrescible waste	No human receptors present, and minimal putrescible waste will report to the facility. No anticipated impact.	Existing site practices	Slight	Rare	Low	No human receptors, and minimal putrescible waste will report to the facility. No anticipated impact.	None
	Contaminated leachate from landfill cells	Rainwater infiltration through landfill and waste rock to groundwater	<ul style="list-style-type: none"> putrescible waste is small proportion of waste stream Landfill located on WRD, several metres above ground surface, therefore no groundwater interaction with the landfill. 	Slight	Unlikely	Low	Minimal putrescibles in landfill; low rainfall area; no direct interaction of groundwater with the waste due to separation distance.	None
	Windblown rubbish	Wind dispersion into surrounding vegetation presenting a safety risk to fauna	<ul style="list-style-type: none"> Waste covered as per condition 1.2.6 No human receptors Any windblown rubbish will be returned to the tipping area at least once per month. landfill facility will be fenced 	Minor	Possible	Medium	Controls are reasonable and in line with existing licence conditions for existing landfill facilities	Existing conditions 1.2.6 and 1.2.7 The expanded landfill will be added to the map of landfill locations in Schedule 1 of the Revised Licence.
	Dust (including during construction of landfill cells)	Air dispersion causing health impact to plants or respiratory impacts to animals	None proposed	Slight	Rare	Low	No human receptors. Landfill will be within existing WRD. General provisions of the EP Act apply.	None

Note 1: Consequence ratings, likelihood ratings and risk descriptions are detailed in the *Department's Guidance Statement: Risk Assessments (February 2017)*

5. Consultation

Table 5: Summary of consultation

Method	Comments received (11 June 2020)	DWER response
Applicant referred draft documents (25 May 2020)	<ol style="list-style-type: none"> Requested an increase in category 5 throughput from 1.3mtpa to 1.4mtpa. To be achieved through incremental improvements to production, no changes to plant or equipment that would require assessment. Introduction – removal of references to Songvang dewatering, as this is now a TSF and return water goes back to the processing plant. Updated Premises map provided New monitoring locations map 1 provided, as the existing one does not have EC77 labelled New monitoring locations map 2 provided, to remove REDIPMW4 which has been removed from the licence 	<ol style="list-style-type: none"> This represents less than 8% increase in total approved throughput, and no change to the environmental risk profile of the site. The Delegated Officer will grant this small increase in throughput. Removed Requested tenement number labels added. Submitted version inserted (A1906025). L36/174 removed from tenement list as it has been relinquished. New map inserted Confirm REDIPMW4 was removed from the licence in (Decision Document dated 17 October 2013). New map inserted.

6. Conclusion

Based on the assessment in this Amendment Report, the Delegated Officer has determined that a licence amendment will be granted, subject to existing conditions of licence L4611/1987/11.

6.1. Summary of amendments

Table 6 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 6: Licence amendments

Section	Proposed amendments
Introduction	Updated to reference this amendment, remove reference to dewatering of Songvang Pit and update instrument log.
1.1 Interpretation	Definition / references to <i>Licensee</i> changed to <i>Licence Holder</i> throughout Revised Licence.
Schedule 1	<ul style="list-style-type: none"> Map of landfill locations updated to include extended Now Holland Landfill Figures from Amendment Notice 1 deleted. These were erroneously added during the previous amendment and consolidation of AN1. Premises map and monitoring locations maps updated (administrative)

Carmen Standing
A/MANAGER, RESOURCE INDUSTRIES
REGULATORY SERVICES

An officer delegated by the CEO under section 20 of the EP Act

Appendix 1: Key documents

	Document title	In text ref	Availability
1	Licence L4611/1987/11 – Agnew Gold Mine	L4611/1987/11	accessed at www.dwer.wa.gov.au
2	Agnew L4611/1987/11- Licence Amendment Application (4 April 2020)	This application	DWER record A1882886
3	Agnew updated monitoring maps	-	DWER record A1894414, A1894415
4	Updated Prescribed Premises map	-	DWER record A1906025
5	DER, July 2015. <i>Guidance Statement: Regulatory principles.</i> Department of Environment Regulation, Perth.	DER 2015a	accessed at www.dwer.wa.gov.au
6	DER, October 2015. <i>Guidance Statement: Setting conditions.</i> Department of Environment Regulation, Perth.	DER 2015b	
7	DER, August 2016. <i>Guidance Statement: Licence duration.</i> Department of Environment Regulation, Perth.	DER 2016a	
8	DER, November 2016. <i>Guidance Statement: Risk Assessments.</i> Department of Environment Regulation, Perth.	DER 2016b	
9	DWER, November 2019. <i>Guideline: Decision Making.</i> Department of Environment Regulation, Perth.	DWER 2019	