

SIMEC MINING

ARDROSSAN DOLOMITE QUARRY

COMPLIANCE REPORT 2017



S I M E C
MINING

Ardrossan Dolomite
Operation

April 2018

Doc.Ref: WPC-187 Rev A

EXECUTIVE SUMMARY

SIMEC Mining (formerly Arrium Mining) owns the Ardrossan Dolomite Operation (Ardrossan Dolomite). Ardrossan Dolomite comprises a private dolomite quarry (Private Mine 291 (PM291)), various mining and miscellaneous purpose leases, a mineral claim and off-site crushing, transport/shipping and administrative facilities.

In May 2013, DMITRE (now DPC) approved Mine Operations Plan 2013/006 (MOP 2013/006) for PM291 and the associated Program for Environmental Protection 2013/006 (PEPR 2013/006) for the MLs and MPLs (DMITRE reference MO6429.002; A1646002 dated 3 May 2013). In accordance with its approval, MOP 2013/006 requires review before 23 May 2020.

This approval also identified the requirement for the submission of one compliance report every five years. This is the first compliance report completed to meet this requirement.

At the Ardrossan Dolomite Operation the only activity undertaken relevant to this reporting requirement is the mining of dolomite. All other activities, including crushing, loading and transport/shipping are outside legislation requiring this report.

In late 2017 SIMEC Mining applied to DPC for a Retention Lease (RL) over the area of the mineral claim (MC4413). The outcome of this application will be discussed in the next compliance report.

Dust management remains a priority and subject to continuous improvement.

One Minor Change Notification was submitted and approved enabling minor changes to the configuration of the waste rock dumps.

MOP/PEPR2013/006 is scheduled for review in 2020.

The Arrium businesses including OneSteel Manufacturing Pty Ltd entered voluntary administration in April 2015. GFG Alliance (GFG) completed the acquisition of the Australian Arrium businesses on 1 September 2017. GFG renamed Arrium Mining as SIMEC Mining. In this report, all further references to the company are as SIMEC Mining, or SIMEC.



Image sourced from <https://map.sarig.sa.gov.au/>

Ministerial Determination 009 Checklist

Section	Included or N/A
1. Public liability insurance	Section 1
2. Identification	
a. Tenement number(s)	Section 2
b. Name of the mine operation	Section 2
c. General location details	Section 2
d. Name(s) of the mine owner and mine operator(s)	Section 2
e. Site Contact	Section 2
f. Registered Mine Manager, Mines Works Inspection Act, 1920	Section 2
g. Reference and approved date of relevant PEPR being reported against	Section 2
h. Dates of the reporting period for the report	Section 2
i. Date of preparation of the report.	Section 2
3. Tenements	
a. Summary list and the status of currency of all tenements covered by the approved PEPR;	Section 3
b. A plan(s) of the mining operation showing all tenement boundaries covered by the approved PEPR.	Figure 2
4. Other approvals	
a. Provide a summary list and the status of currency of any other approvals obtained to authorize the mining operation, that are relevant to the achievement of environmental outcomes within the approved PEPR and or compliance with the tenement conditions.	Section 4
5. Ore reserves and mineral resources. Provide:	
a. A statement of the current ore reserves and mineral resource estimates in the tenement area and a brief description of the basis of this estimate; include Australasian Joint Ore Reserve Committee (JORC) compliant ore reserve and mineral resource estimates and categories, if available.	Section 5.1
b. A statement of any change in the mineral resource and ore reserves from those that form the basis for the mining operation in the approved PEPR.	Section 5.1
or	
c. An estimate of the resource to be mined, the basis of the estimate, and demonstrate that the resource continues to be mined at current commodity prices.	N/A
and	
d. A summary of any new delineation or exploration drilling activities on the tenement, or any other potential sources of ore (e.g. from nearby mines) that may have a significant effect on the future of production levels and mine life.	N/A
e. A statement of the estimated mine life.	
6. Mining, processing and waste storage activities. Provide:	Section 6
a. A summary of the quantity of ore mined and processed in the reporting period, and the expected quantity to be mined and processed in the next reporting period.	Section 6.1, 6.2, 6.3
b. A summary of the ore currently stockpiled on the tenement, the amount of concentrate or other products exported from the tenement in the reporting period, and the amount expected to be exported in the next reporting period.	Section 6.1

Section	Included or N/A
c. A summary of the amount of overburden/waste mined during the reporting period, the amount of overburden/waste to be mined during the next reporting period and the amount of overburden/waste mined since the commencement of mining operations.	Section 6.4
7. Compliance with environmental outcomes and leading indicator criteria. Provide:	
a. A statement that operations were, or were not, compliant with each environmental outcome (including mine completion outcomes) specified in the tenement conditions or approved PEPR. The statement must be supported by a summary of measured criteria data that clearly demonstrates the conclusion that the environmental outcome was (or was not) fully achieved.	Section 7.1
b. Summarise data relating to any leading indicator criteria in the approved PEPR. If any leading indicator have been or will become relevant to the operation of any control strategy, the report must state the actions that were taken and if the relevant controls strategies continue to be effective.	Section 7.2
8. Compliance with non-outcome based tenement conditions. Provide	
a. Provide a statement on the compliance status of any tenement conditions of the lease or licence that do not relate to an environmental outcome in the approved PEPR.	Section 8
b. Evidence to support the statement of compliance.	Page iv
9. Rectification of non-compliances.	
a. Where instances of non-compliance with either the relevant environmental outcomes in the approved PEPR or tenement conditions have occurred during the current reporting period, provide the following information for each non-compliance: <ul style="list-style-type: none"> i. the date of the incident ii. what environmental outcome or tenement condition was breached iii. the date the incident was reported under Regulation 87 of the Mining Regulations, or other reporting protocol endorsed by the Government of SA (including the South Australian Uranium Incident Reporting Protocol) iv. the cause of the non-compliance v. any actions taken or yet to be taken to rectify the non-compliance and to prevent the reoccurrence of any such non-compliance 	Section 9
b. Where any non-compliances under Regulation 86 or initial incident reports under Regulation 87 of the Mining Regulations have previously been reported in compliance reports and not fully rectified at the time of reporting, a progress report must be included to assess the effectiveness of rectification.	Section 9.2
10. Disturbance and rehabilitation activities. Provide a summary of the disturbance and rehabilitation activities, including:	Section 10
<ul style="list-style-type: none"> a. The amount of land disturbed and activity that created the disturbance in the reporting period b. The amount of land disturbed and activity that created the disturbance in the reporting period c. Strategies implemented to avoid or minimize disturbance d. Rehabilitation works carried out in the reporting period e. The amount of land where rehabilitation works are completed f. An estimated amount of land to be rehabilitated in the next reporting period g. Any potential improvements learned from previous rehabilitation activities 	
11. Reconciliation of native vegetation clearance. Where native vegetation has been approved for clearance, include:	Section 11
a. the approved maximum clearance (as described in the PEPR) in hectares	Not applicable

Section	Included or N/A
b. the amount cleared in the reporting period (in hectares and shown on a plan)	Not applicable
c. the total amount cleared to date, and	Not applicable
d. an estimated amount to be cleared in the next reporting period.	Not applicable
12. Environment Protection and Biodiversity Conservation Act 1999 reporting	
a. If the tenement was the subject of an approval under the Commonwealth <i>Environment Protection and Biodiversity Conservation Act 1999</i> (EPBC Act), include a summary report demonstrating compliance with all EPBC Act approval conditions.	Section 12
13. Exempt land. Provide:	Section 13
a. a statement that all waivers for land relevant to the mining operation are in place and compliant with exempt land provisions in accordance with Section 9 of the Mining Act	
b. the status of any exempt land, including <ul style="list-style-type: none"> i. name of person entitled to exemption ii. certificate of title or crown land details iii. reason for exemption iv. area of exemption (hectares) v. date waiver registered vi. any relevant conditions 	
c. a plan showing all exempt land relevant to the mining operations. The plan must detail the extent of mining operations at the end of the reporting period.	
14. Complaints. Provide a summary of any complaints raised by third parties for the reporting period. For each complaint specify:	Section 14
a. the date of the complaint	Section 14
b. the nature of the complaint	Section 14
c. whether or not it related to a non-compliance	Section 14
d. what action was taken to address the complaint (or yet to be taken), and	Section 14
e. the date the complaint was received	Section 14
15. Management system reviews. Provide a summary of any management system reviews undertaken during the reporting period in order to ensure compliance with relevant tenement conditions and environmental outcomes (including mine completion outcomes), including:	Section 15
a. when an audit or review was undertaken	
b. who undertook the audit or review	
c. what aspect(s) of the management system was audited or reviewed	
d. what issues, or recommendations for improvement were noted	
e. an assessment of any issues identified in the audit or review with the potential to lead to a non-conformance with approved environmental outcomes, and	
f. what corrective has been, or will be taken, to address any issues identified	
16. Verification of uncertainty. Provide:	
a. a description of and status of works undertaken during the reporting period or proposed to be undertaken to address any identified uncertainties or assumptions made in the approved PEPR; and	Section 16
b. a description and status of works undertaken during the reporting period or proposed to be undertaken to address any additional uncertainties or assumptions identified since the PEPR was approved.	Section 16

Section	Included or N/A
17. Change to mining operations and emerging environmental hazards. Provide:	
a. a summary list of any change(s) to mining operations endorsed under the approved PEPR for the reporting period.	Section 17.1
b. a description of any new or emerging environmental hazards that apply, or appear to be arising, in relation to mining operations.	Section 17.2
18. Technical reports.	
a. Provide a summary list of all technical data, studies and reports generated during the reporting period that support the achievement of tenement conditions and environmental outcomes in the approved PEPR.	Section 18

Executive Declaration

Executive Declaration:

This document has been prepared to fulfil the requirement under Regulation 86 for the tenements listed herein. The information contained in this report is to the best of my knowledge a true and accurate record of the mining activities and compliance status for the reporting period.

Name	Position or Agent	Signature	Date
Daniel Rowlands	Acting General Manager, Mining Operations		1/05/2018

Document Status

Rev No	Author	Responsible Manager
0	Russell Hodges Senior Environment Regulatory Scientist	Daniel Rowlands - Acting General Manager, Mining Operations
		Craig Wilson - Manager Mining
		Chris Smyth – Group Manager Environment, Regulatory and Stakeholder,
		Geoffrey Mills Environment Assurance Manager Whyalla Mines

Contents

Executive Summary	ii
1 Public liability insurance	12
2 Identification	13
3 Tenements.....	14
4 Other Licences, Permits, Waivers and Native Title Agreements	16
5 Ore reserves and mineral resources	17
5.1 Ore reserves and mine life	17
6 Mining, processing and waste storage	18
6.1 Ore Mining.....	18
6.2 Ore processing	18
6.3 Concentrate.....	18
6.4 Overburden/waste	19
7 Compliance with environmental outcomes and leading indicator criteria	20
7.1 Compliance summary	20
7.2 Compliance with outcomes	20
8 Compliance with non-outcome based tenement conditions	33
9 Rectification of non-Compliances	52
9.1 2013 - 2017	52
9.2 Outstanding items from previous reports	52
10 Disturbance and rehabilitation	53
11 Reconciliation of native vegetation clearance	54
12 Environment Protection and Biodiversity Conservation Act Reporting	55
13 Exempt land.....	56
14 Complaints.....	57
15 Management system reviews	58
15.1 ISO AS/NZS 14001 Audit.....	58
15.2 Internal reviews & audits	58
16 Verification of uncertainties	60
17 Change to mining operations and emerging environmental hazards.....	61

17.1	Changes to mining operations	61
17.2	Emerging environmental hazards	61
18	Technical reports	63
19	Voluntary information.....	64
20	References	66

Tables

Table 1	Ardrossan mining tenements	14
Table 2	Additional Ardrossan agreements and licences	16
Table 3	Ardrossan total resource and reserves, ending December 2013.....	17
Table 4	Product mined at Ardrossan Dolomite 2013 – 2017.....	18
Table 5	Overburden mined at Ardrossan to 31 December 2017	19
Table 6	Compliance summary – Ardrossan (1 January 2013 to 31 December 2017)	20
Table 7	Compliance with Environmental Outcomes.....	21
Table 8	Compliance against non-outcome based lease conditions for Ardrossan – 2017	34
Table 9	Rectification of non-compliances - Ardrossan	52
Table 10	Clearing and rehabilitation at Ardrossan Dolomite	53
Table 11	Complaints register – Ardrossan (1 January 2013 to 31 December 2017).....	57
Table 12	SIMEC Mining 2017 internal audits & reviews	59
Table 13	Uncertainties in relation to compliance for Ardrossan Dolomite 2013 – 2017	60
Table 14	Description of changes to the Ardrossan mining operation.....	61
Table 15	Proposed Schedule of Works for MC4413	62

Figures

Figure 1	Ardrossan location	15
Figure 2	SIMEC Ardrossan tenements and cadastral information	15
Figure 3	Current Ardrossan Dolomite configuration	53

List of Appendices

Appendix A Certificate of Currency, Combined General Liability & Umbrella Liability Insurance

Abbreviations and Definitions x

Measurements and Symbols xi

Glossary xi

Abbreviations and Definitions

Abbreviation	Definition
ANE	Ammonium Nitrate Explosive
AMD	acid mine drainage
AOC	area of concern
BIF	banded iron formation
DEWNR	Department of Environment, Water and Natural Resources
DMITRE	Department for Manufacturing, Innovation, Trade, Resources and Energy
DPTI	Department of Planning, Transport and Infrastructure
DPC	Department of Premier and Cabinet
DSD	Department of State Development
DSO	direct shipping ore
ED	Environmental Direction
EML	Extractive Mineral Lease
EMS	Environmental Management System
EPBC	Environment Protection and Biodiversity Conservation
FDR	Fugitive Dust Ranking
GIS	Geographic Information System
GVM	gross vehicle mass
ILUA	Indigenous Land Use Agreement
JORC	Joint Ore Reserves Committee
LFA	Landscape Function Analysis
LGO	low grade ore
LOM	Life of Mine
LOM	Life of Mine
MARP	Mining and Rehabilitation Program
MBA	Middleback Alliance
ML	Mineral Lease
MPL	Miscellaneous Purpose License
NE WRD	north-east waste rock dump
OMC	Outcome measurement criteria
PEPR	Program for Environmental Protection and Rehabilitation
PIRSA	Primary Industries and Regions SA
ROM	run of mine
SE WRD	south-east waste rock dump
SEB	significant environmental benefit
WRD	waste rock dump
WTC	waste transport certificate
WTF	waste tracking form

Measurements and Symbols

Unit	Definition
BCM	bank cubic metre
CY	calendar year
ha	hectare
/hr	per hour
kL	kilolitre
kWh	kilowatt hour
m ²	square metre
m ³	cubic metre
MBCM	Million bank cubic metre
mm	millimetre
Mt	million tonne
L	litre
t	tonne
um	micrometre
/yr	per year

Glossary

bank cubic metre	A measure of volume representing a cubic metre of in-situ rock or material before it is drilled and blasted
orthorectified	Spatially corrected to remove error as a result of the earth's curvature

1 PUBLIC LIABILITY INSURANCE

SIMEC Mining holds insurance to cover legal liability in respect of property damage or personal injury arising out of an occurrence in connection with the Insured's business or products. The limits of liability are \$50,000,000 any one occurrence, limited in respect of Products Liability to \$50,000,000 in the aggregate for all occurrences for the period of insurance.

The Certificate of Currency is shown in Appendix A.

2 IDENTIFICATION

Mine name	Ardrossan Dolomite Quarry (Ardrossan)		PEPR#	2013/006
			Date Approved	3 May 2013
Lease holder	OneSteel Manufacturing Pty Ltd (SIMEC Mining) <i>Note: SIMEC Mining is a business of OneSteel Manufacturing Pty Limited. References to SIMEC Mining (SIMEC) in this report will be a reference to OneSteel Manufacturing Pty Limited.</i>			
Operator	SIMEC Mining			
Mining Lease approval date	See Section 1.3 for details			
Associated tenements	PM291, ML4040, ML4041, ML4042, ML4045, ML4044, ML4046, ML5317 MPL46, MPL132 MC4413			
Approval documents	MOP/PEPR 2013/006 <ul style="list-style-type: none">WPC-174 Ardrossan MCN (approved 23 June 2017)			
Ministerial Determination	Ministerial Determination (MD 009) under Regulation 86(1), (3), (4) and (7) of the <i>Mining Regulations 2011</i> (effective from 6 September 2012) determining the reporting periods and minimum information required to be provided in a Compliance Report for a Mineral Lease (ML) and any associated Miscellaneous Purposes Licence (MPL) for metallic and industrial minerals			
Report contact	Geoffrey Mills - Environment Assurance Manager Whyalla Mines			
	Email:	geoffrey.mills@simecmining.com		
	Phone number	(08) 8640 4480		
Registered Mine Manager	Kevin Holland			
	Email:	Kevin.holland@simecmining.com		
Site location details	Ardrossan			
Reporting period	From	1 January 2013	To	31 December 2017
Report preparation date	April 2018			

3 TENEMENTS

Table 1 shows details of current Ardrossan tenements. shows the general location of the Ardrossan pit and mining tenements.

Figure 2 shows Ardrossan Dolomite's Private Mine Lease (PML), Mineral Leases (MLs), Miscellaneous Purpose Licences (MPLs) and Mineral Claim.

Table 1 Ardrossan mining tenements

Tenement	Tenement Number	Approval Date	Expiry Date	Forward work plan
Private Mine (PM)				Mining and progressive rehabilitation will continue throughout 2018 in accordance with MOP/PEPR 2013/006 MC4413
PM	291	14 August 1975	Not applicable	
Mineral Leases (ML)				SIMEC Mining will retain all tenements for the Ardrossan Life of Mine (LOM)
ML	4040	14 December 1972	13 December 2021	
ML	4041	14 December 1972	13 December 2021	Mining and ancillary operations including crushing, screening, ore stockpiling and shipping will continue until ore deposits are fully utilised
ML	4042	14 December 1972	13 December 2021	
ML	4044	14 December 1972	13 December 2021	Compliance reporting will continue on a 5 year cycle in accordance with DMITRE (now DPC) reference MO6429.002; A1646002 dated 3 May 2013.
ML	4045	14 December 1972	13 December 2021	
ML	4046	14 December 1972	13 December 2021	MOP 2013/006 will be reviewed before 23 May 2020
ML	5317	23 December 1985	22 December 2034	
Miscellaneous Purposes Licences (MPL)				A Mine Completion Report will be submitted at least three months prior to Licence relinquishment or expiry
MPL	46	13 March 1996	22 December 2034	
MPL	132	24 February 2011	23 February 2021	
Mineral Claim (MC) – ARDROSSAN				
MC	4413*	6 March 2017	5 March 2018	

* Draft Retention Lease application submitted to DPC December 2017



Figure 1 Ardrossan location

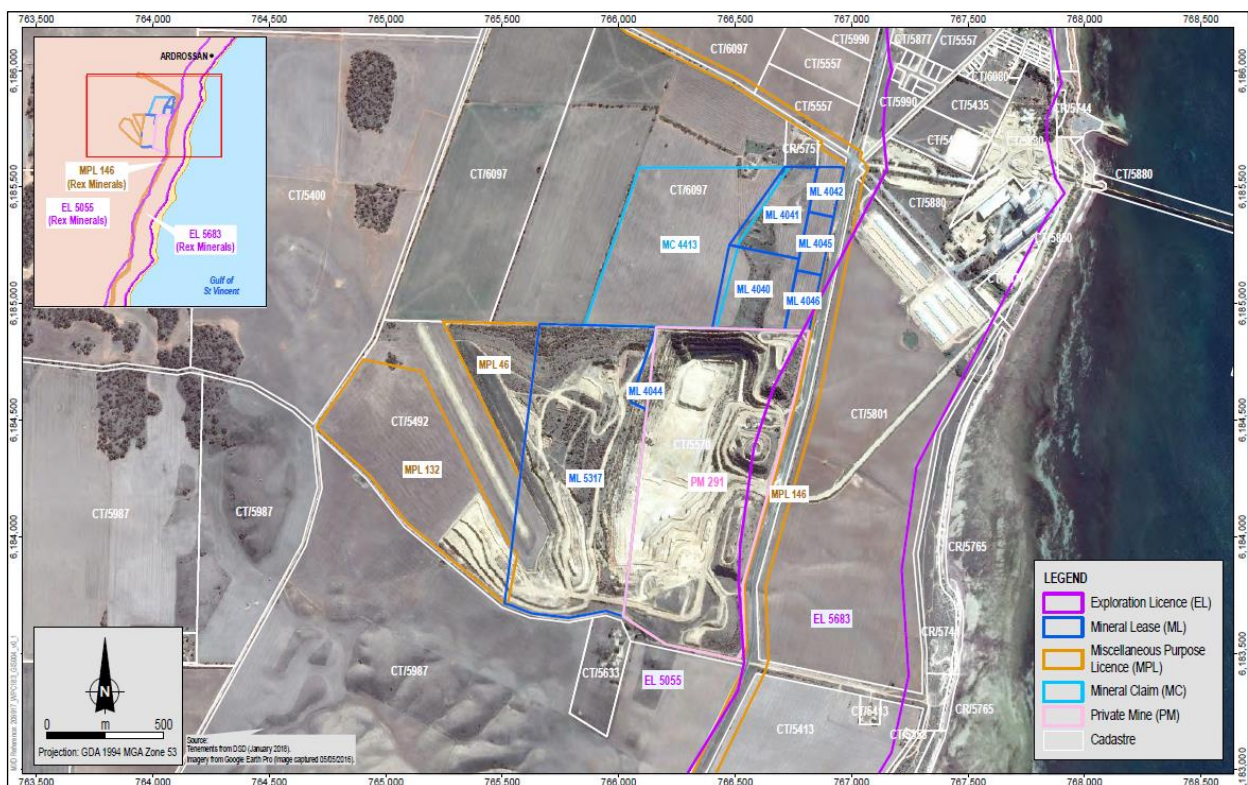


Figure 2 SIMEC Ardrossan tenements and cadastral information

4 OTHER LICENCES, PERMITS, WAIVERS AND NATIVE TITLE AGREEMENTS

Table 2 shows a list of additional agreements and licences held for Ardrossan.

Table 2 Additional Ardrossan agreements and licences

Licence, permit or agreement	Regulatory authority or other	Supporting documents	Associated ML, MPL, ML lease condition or outcome measurement criteria
Narungga Local Government ILUA: SI2003/004	National Native Title Tribunal	Extract from Register of Indigenous Land Use Agreements	Aboriginal heritage
EPA Licence 13110 (Crushing, grinding or milling works (rock, ores or minerals; Extractive Industries)	Environment Protection Authority	Licence held at Environment Assurance and copies at work sites	Unauthorised damage under the <i>Environment Protection Act 1993</i> (EP Act)

5 ORE RESERVES AND MINERAL RESOURCES

5.1 Ore reserves and mine life

Details of ore reserves and estimated mine life as at the end of December 2016 (the last time calculated) are provided below.

5.1.1 Ardrossan Resource

Table 3 shows the current Ardrossan resource as of 2013, the last year available.

Table 3 Ardrossan total resource and reserves, ending December 2013

Class	Volume (Mm3)	Mass (Mt)	MgO %	SiO ₂ %
Measured	1.79	5.0	20.75	0.79
Indicated	11.69	32.5	20.71	0.9
Inferred	24.97	69.4	20.58	1.14
Total		108.9		
PEPR		70.9		
Change		+38.0		

6 MINING, PROCESSING AND WASTE STORAGE

6.1 Ore Mining

Table 4 shows the volumes of dolomite mined at Ardrossan to the end of the reporting period, the planned next period's production and total product stockpile volumes (on the mining tenements only) as at December 2017.

Table 4 Product mined at Ardrossan Dolomite 2013 – 2017

Dolomite mined prior to 1 January 2013 (BCM)	Dolomite Mined 2013 – 2017 (BCM)		End of reporting period Current dolomite stockpile (kt)	Next reporting period Dolomite to be mined (Av. BCM/Year)
Approx 28,000,000T	2013	501,000	312,000	520,000
	2014	489,000		
	2015	501,000		
	2016	580,000		
	2017	540,000		
	Total	2,611,000		
Reason(s) for variations from previous reports			Nil. This is the first Compliance report submitted.	

6.2 Ore processing

Mined dolomite is transported by haul trucks to the off-site crushing and processing plant. These activities are not subject to the MOP/PEPR and therefore are not included in this compliance report.

6.3 Concentrate

Ardrossan does not produce concentrate.

6.4 Overburden/waste

Table 5 shows the volumes of overburden for the reporting period and total.

Table 5 Overburden mined at Ardrossan to 31 December 2017

Overburden mined to 31 December 2012 (BCM)	Overburden mined 2013 – 2017 (BCM)		Next reporting period Overburden to be mined (Av. BCM/Year)
Approx 5,230,000T	2013	106,000	113,000
	2014	123,000	
	2015	178,000	
	2016	123,000	
	2017	121,000	
	Total	651,000	
Reason(s) for variations from previous reports	Nil. This is the first Compliance report submitted.		

7 COMPLIANCE WITH ENVIRONMENTAL OUTCOMES AND LEADING INDICATOR CRITERIA

7.1 Compliance summary

A summary of compliance items is provided in Table 6.

Table 6 Compliance summary – Ardrossan (1 January 2013 to 31 December 2017)

Licence/Permit/Tenement	Type of non-compliance	Brief description	Status	Section of report for further detail
There were no non-compliances recorded during the reporting period				

7.2 Compliance with outcomes

An overview of compliance against outcomes and associated measurement criteria for Ardrossan is provided in Table 7.

Table 7 Compliance with Environmental Outcomes

Outcome	Outcome measurement criteria (OMC)	OMC compliance status	Outcome Achievement	Outcome Achievement status	Outcome Achievement actions summary	Evidence	Forward work plan
Public safety							
No public injuries or deaths as a result of unauthorised entry to site that could have been reasonably prevented by SIMEC Mining	Records show that an independent investigation of recorded injuries from unauthorised access to the site demonstrates that an incident could not have been reasonably prevented by implementation of precautionary measures and that 100% of incidences of unauthorised access are investigated and corrective actions closed out within 30 days or as otherwise agreed with the Regulator	Compliant	Independent investigation of recorded injuries from unauthorised access to the site demonstrates that an incident could not have been prevented through implementation of reasonable preventative measures and that 100% of incidences of unauthorised access are investigated and corrective actions closed out within 30 days or as otherwise agreed with the Regulator	Compliant	NA	Incident reports. Independent investigations of incidents. No incidents of unauthorised access or injury from unauthorised access were recorded during the reporting period	NA
Risk to health and safety of the public and fauna are as low as reasonably practicable.	Final landform profile and revegetation audits demonstrates that WRDs, quarry pit and operational areas are constructed and remediated and that the safety bunds, fencing and signage are in place in accordance with the design, closure and rehabilitation strategy described in Section 8 and shown in Appendix A-14. A suitable fence will be maintained by SIMEC Mining while it continues to own the land covered by the PM, MLs and MPLs. Prior to the change of land ownership, a caveat will be placed on the title requiring the perimeter fences to be maintained if there is no further proposal to minimise the risk to public safety.	Compliant	Final landform profile and revegetation via the final landform profile and revegetation audit. Ongoing inspections of fence integrity and signage after mine closure. A fence will be erected at a safe distance from the pit crest based on geotechnical assessment.	Compliant	NA	Annual post-closure audits. Ongoing regular inspections of fence and signage.	NA

Outcome	Outcome measurement criteria (OMC)	OMC compliance status	Outcome Achievement	Outcome Achievement status	Outcome Achievement actions summary	Evidence	Forward work plan
	Outcome measurement criteria for public safety will be revised and amended accordingly in the subsequent amendments to this PEPR/MOP document closer to the mine completion stage when post mining land use has been determined and a final, detailed Mine Closure Plan developed.						
Risk to health and safety of the public and fauna are as low as reasonably practical	<p>Final landform profile and revegetation audits demonstrates that WRDs, quarry pit and operational areas are constructed and remediated and that the safety bunds, fencing and signage are in place in accordance with the design, closure and rehabilitation strategy described in Section 8 and shown in Appendix A-14.</p> <p>A suitable fence will be maintained by Arrium Mining while it continues to own the land covered by the PM, ML and MPLs; prior to the change of land ownership, a caveat will be placed on the title requiring the perimeter fences to be maintained if there is no further proposal to minimise the risk to public safety.</p>	Not applicable until mine closure	Note: Outcome measurement criteria for public safety will be revised and amended accordingly in the subsequent amendments to this PEPR/MOP document closer to the mine completion stage when post mining land use has been determined and a final, detailed Mine Closure Plan developed	Not applicable until mine closure			
Public safety/air traffic							
WRD heights meet design specification in relation to CASA Regulations	Annual survey of WRD4 and WRD6 height levels, volumes and surveyed footprint indicate compliance with design specifications (as per PEPR Section 3.4.4, Figure 10 and Figure 8)	Compliant	<p>WRD heights measured via survey.</p> <p>Footprint via on-ground survey.</p> <p>Waste volumes via shift reports.</p>	Compliant	NA	<p>Height and footprint by annual survey in accordance with PEPR/MOP 2013/006 and approved MCN our ref: WPC-174</p> <p>Waste volume via shift reports.</p>	

Outcome	Outcome measurement criteria (OMC)	OMC compliance status	Outcome Achievement	Outcome Achievement status	Outcome Achievement actions summary	Evidence	Forward work plan
No incidents occur in relation to the airstrip	Audit records demonstrate compliance with the <i>Civil Aviation Act 1988</i> and SIMEC Mining's operational procedures and that corrective actions from incidents are closed out within 30 days or as otherwise agreed with the Regulator)	Compliant	Records show that all incidents relating to the airstrip are investigated and corrective actions closed out within 30 days or as otherwise agreed with the Regulator	Compliant	NA	Incident reports and Audit records. Airstrip is now closed.	
Blasting/public safety							
No public health, safety and nuisance impacts from air blast overpressure, vibrations and fly rock caused by blasting undertaken on site.	Records of audits and observations on blasting activities show that blasting is undertaken in accordance with AS2187.2	Compliant	Records show that all incidents as a result of blasting are investigated. All corrective actions closed out within 30 days or as otherwise agreed with the Regulator.	Compliant	NA	Incident reports. Independent investigations of incidents No incidents were recorded. No complaints of damage were received	NA
Traffic							
No incidents or accidents resulting from operational traffic associated with Ardrossan Dolomite Quarry operations across Yorke Highway that could have been reasonably prevented	Records of independent investigation of all recorded complaints, incidents and accidents involving Ardrossan Dolomite Quarry operational traffic demonstrates that the incident or accident could not have been reasonably prevented through implementation of precautionary measures and that 100% of incidents or accident involving operational traffic are investigated and corrective actions closed out within 30 days or as otherwise agreed with the Regulator Records demonstrate that corrective actions generated from daily visual inspection reports that identify sediment drag-out issues on the	Compliant	Records show that all operational traffic incidents are investigated. All corrective actions closed out within 30 days or as otherwise agreed with the Regulator.	Compliant	NA	Incident reports. Independent investigations of incidents No incidents were recorded. No complaints of damage were received Yorke Highway is kept clean of drag out as required by daily visual inspection.	NA

Outcome	Outcome measurement criteria (OMC)	OMC compliance status	Outcome Achievement	Outcome Achievement status	Outcome Achievement actions summary	Evidence	Forward work plan
	Yorke Highway from the Ardrossan Dolomite Quarry operations are closed out within 24 hours.						
Heritage							
No disturbance to Aboriginal or European artefacts or sites of significance, unless prior approval under the relevant legislation is obtained.	Records demonstrate that discoveries of suspected Aboriginal or European artefacts or remains were left without further disturbance, reported to the authorities and investigated and that work recommenced only after being authorised by the appropriate authority (The Aboriginal Heritage Branch of the Department of the Premier and Cabinet or the SA Heritage Council)	Compliant	Records demonstrate all suspected Aboriginal or European heritage items or remains were treated in accordance with the OMC, and that work did not recommence until government authorisation received.	Compliant	NA	Incident reports and notification records relating to discovery of artefacts. Heritage survey reports and records	NA
Pests, weeds and pathogens							
No new species of weeds, plant pathogens or pests introduced, and no sustained increase in the abundance of existing weeds or pest species in the tenement areas or private mine, compared to adjoining land.	An annual audit of management system demonstrates compliance with <i>Natural Resources Management Act 2004</i> . Biannual audits manage all new weed incursions and control the abundance of existing weeds and pests within the tenement areas or private mine using control measures as per the SIMEC Mining Pest and Animal Control Strategy QP50_62 within 6 months	Compliant	Compliance with <i>Natural Resources Management Act 2004</i> . New weed incursions and abundance of existing weeds and pests recorded the continually updated weed map and that control measures are implemented and closed out as per QP50_62 by scheduled internal environmental audits.	Compliant	Continue audit schedule	Flora survey reports/records. Weed map (weeds mapped as they are found/managed). No new weed incursions or increase in abundance of existing weed were recorded by weed inspections. Existing weeds identified for control action include Horehound, Onion weed and African boxthorn.	NA
Soil (topsoil)							
Existing soil quality and quantity is maintained	Six monthly audit against QP50_66 confirms that topsoil has been stripped, stockpiled and maintained in accordance with Arrium Mining's Soil Management Plan (QP50_66) at	Compliant	Records show topsoil is stripped, stockpiled and maintained in accordance with SIMEC Mining's Soil Management Plan	Compliant	NA	Stockpile records. Audits confirm that top soil had been maintained in accordance with QP50.66.	NA

Outcome	Outcome measurement criteria (OMC)	OMC compliance status	Outcome Achievement	Outcome Achievement status	Outcome Achievement actions summary	Evidence	Forward work plan
	topsoil stockpile areas (see Figure 8) and that all corrective actions from audits logged and closed out within 30 days or as otherwise agreed with the Regulator		(QP50_66) at topsoil stockpile areas (see Figure 8) and all corrective actions from audits logged out and closed out within 30 days or as otherwise agreed with the Regulator.				
Waste disposal							
All domestic or industrial waste is to be managed in accordance with relevant legislation	Records of annual waste management audits undertaken by Environment/ Quarry Manager to demonstrate compliance with relevant legislation and SIMEC Mining's operational procedures (WI50_43 Waste Management) and that corrective action from audits are closed out within 30 days or as otherwise agreed with the Regulator. Records (receipts) of waste management kept on site to demonstrate that waste on site is managed in accordance with EPA requirements.	Compliant	No incidents of incorrect waste disposal. All waste disposed of in accordance with EPA requirements	Compliant	Continue audit schedule	Waste management audit reports. Incident reports. Records of waste disposal.	NA
Visual amenity							
The contrasting and reflective aspects of WRDs are visually softened to blend in with the surrounding landscape	Annual assessments against the staged rehabilitation strategy with the use of annual aerial and ground surveys of the landform development and annual revegetation monitoring demonstrate progressive rehabilitation undertaken in accordance with the staged rehabilitation strategy (see Section 8) for Ardrossan and the revegetation analogue (previously rehabilitated WRDs).	Compliant	Progressive rehabilitation actions at each phase of WRD development, via an assessment against the closure and rehabilitation plan (Section 8 of the MOP/PEPR 2013/006).	Compliant	Continue to progressively rehabilitate in accordance with PEPR 2013/006	Visually softened WRDs which blend in with the surrounding landscape.	Continue to progressively rehabilitate in accordance with PEPR 2013/006

Outcome	Outcome measurement criteria (OMC)	OMC compliance status	Outcome Achievement	Outcome Achievement status	Outcome Achievement actions summary	Evidence	Forward work plan
	Final Annual Progressive Rehabilitation Compliance Audit and final landform profile and flora survey demonstrates the WRDs and haul roads were constructed and remediated to integrate and harmonise the final landform and vegetation with surrounding landscape in accordance with design, closure and rehabilitation strategy described in MOP/PEPR Section 8 and Appendix A-14.	Compliant	Final landform profile and revegetation via ground and flora survey and audit against the design, closure and rehabilitation strategy described in Section 8	Not required until post-mine closure			
The contrasting and reflective aspects of WRDs are visually softened to blend in with the surrounding landscape	Records indicate that stakeholders (local and regional) are involved in consultations for final WRD design	Compliant	Records show that issues raised from stakeholder consultation are satisfactorily resolved	Not required until preparation of Mine Closure Plan			
	Records show that any complaints/concerns pertaining to visual amenity of WRDs are adequately addressed prior to closure.	Compliant	Records show that all complaints from neighbouring landholders resolved within 30 days to the satisfaction of both parties without the involvement of DPC.	Compliant		Complaints Register No complaints received.	Continue to operate in accordance with PEPR 2013/006
Air quality							
No public health and/or nuisance impacts to the public from dust generated by mining activities	Primary: Environment and/or safety incident reporting system records show that no incidents occurred where dust emissions from activities associated with mining activities on tenements or private mine exceeded the Fugitive Dust Ranking (FDR) standard (QP50_68) ranking level of FDR2 without implementing	Compliant	Records demonstrate no incidents exceed FDR2 without implementing adequate controls or postponing the activity. Complaints closed out within 30 days, or as agreed with the Regulator.	Compliant	NA	Incident reports. Fugitive Dust Ranking Standard QP50_68.	Continue to operate in accordance with PEPR 2013/006

Outcome	Outcome measurement criteria (OMC)	OMC compliance status	Outcome Achievement	Outcome Achievement status	Outcome Achievement actions summary	Evidence	Forward work plan
	adequate controls or postponing the activity. Secondary: Complaints of dust impacts from the public are logged and investigated and all corrective actions are closed out within 30 days of notification of an incident or complaint, or as otherwise agreed with the impacted party or the Regulator.						
Third party property							
No unauthorised damage (including that caused by fire) associated with Ardrossan operations to adjacent public or private property or infrastructure.	Records demonstrate that complaints of unauthorised damage are logged and investigated and all corrective actions are closed out within 30 days of receiving a complaint, or as otherwise agreed with the impacted party or the Regulator.	Compliant	Complaints of unauthorised damage are responded to within 24 hours, are logged and investigated. Corrective actions are closed out within 30 days of receiving a complaint, or as otherwise agreed with the affected party or the Regulator.	Compliant	NA	Records of complaints. No complaints of unauthorised damage have been received nor incidents of damage recorded during the reporting period.	NA
Third party property - emergency							
Bring the quarry back to compliance as soon as practical and modify management procedures to prevent a recurrence.	An independent audit demonstrates that the breach was rectified as soon as practical and that suitable modifications have been made to the management system to prevent recurrence	Compliant	Records show that all incidents involving emergency situations are investigated. Corrective actions are closed out within 30 days of receiving a complaint, or as otherwise agreed with the affected party or the Regulator.	Compliant	NA	Incident records Independent investigations of incidents. No incidents of recorded during the reporting period.	NA

Outcome	Outcome measurement criteria (OMC)	OMC compliance status	Outcome Achievement	Outcome Achievement status	Outcome Achievement actions summary	Evidence	Forward work plan
Flora							
No permanent loss of abundance or diversity to native vegetation through clearance, dust, contaminant deposition, fire or other damage caused by mining operations on or off the tenements or private mine, unless prior approval under legislation is obtained	<p>Records of visual inspections undertaken by Environment Manager demonstrate that any clearance of vegetation within the site is consistent with the <i>Native Vegetation Act 1991</i> requirements.</p> <p>Annual monitoring of revegetated areas measured via photo point locations demonstrates no loss of abundance or diversity of species on or off the tenements or private mine.</p>	Compliant	<p>All native vegetation clearance to comply with the <i>Native Vegetation Act 1991</i>.</p> <p>Areas of revegetation to increase from previous year.</p>	Compliant	NA	<p>Inspection records.</p> <p>Photographs taken from photo points.</p>	Continue to operate in accordance with PEPR 2013/006
Groundwater							
No adverse impact to the quality and quantity of groundwater caused by mining operations to existing users and water dependent ecosystems.	<p>Records demonstrate that drill holes abandoned in accordance with information sheet M21.</p> <p>Audit records demonstrate compliance with relevant legislation and SIMEC Mining's operational procedures (QP50_67 Spills Response) and that corrective actions from incidents are closed out within 30 days or as otherwise agreed with the Regulator.</p>	Compliant	<p>Records demonstrate all exploration drill holes abandoned in compliance with DMITRE guidelines.</p> <p>Hazardous storage facilities comply to relevant Australian Standard.</p> <p>Hazardous substance spills cleaned up as soon as practicable.</p>	Compliant	<p>All recent and future exploration drill holes completed in accordance with M21.</p> <p>Audit schedule</p>	<p>Drilling records.</p> <p>Audit reports.</p> <p>Incident reports.</p>	

Outcome	Outcome measurement criteria (OMC)	OMC compliance status	Outcome Achievement	Outcome Achievement status	Outcome Achievement actions summary	Evidence	Forward work plan
	All fuels and chemicals stored on site comply with AS 1940 and EPA bunding requirements.						
Visual amenity							
The contrasting and reflective aspects of WRDs and haul roads are visually softened to blend in with the surrounding landscape	Annual assessments against the staged rehabilitation strategy with the use of annual aerial and ground surveys of the landform development and annual revegetation monitoring demonstrate progressive rehabilitation undertaken in accordance with the staged rehabilitation strategy (see Section 8) for Ardrossan and the revegetation analogue (previously rehabilitated WRDs)	Compliant	Progressive rehabilitation actions at each phase of WRD development, via an assessment against the closure and rehabilitation plan (Section 8), including annual aerial and ground surveys of the landform development and annual revegetation monitoring against the analogue (previously rehabilitated WRDs)	Compliant	Continue to progressively rehabilitate in accordance with MOP/PEPR 2013/006	Annual rehabilitation audit reports and final report at completion of rehabilitation	Continue to operate in accordance with PEPR 2013/006
	Final Annual Progressive Rehabilitation Compliance Audit and final landform profile and flora survey demonstrates the WRDs and haul roads were constructed and remediated to integrate and harmonise the final landform and vegetation with surrounding landscape in accordance with design, closure and rehabilitation strategy described in Section 8 and Appendix A-14) of MOP/PEPR 2013/006.	Compliant	Not required until mine closure. Final landform profile and revegetation via ground and flora survey. Audit against the design, closure and rehabilitation strategy (MOP/PEPR2013/006)	Not applicable until after mine closure	Continue to progressively rehabilitate in accordance with PEPR2013/006	Final annual rehabilitation audit report Final land profile and flora survey.	Continue to progressively rehabilitate in accordance with PEPR 2013/006
The contrasting and reflective aspects of WRDs are visually softened to blend in with the	Records indicate stakeholders (local and regional) are involved in consultations for final WRD design.	Compliant	Records show issues raised from stakeholder consultation are satisfactorily resolved.	Not required until commencement of community consultation phase for the	Continue to progressively rehabilitate in accordance with PEPR2013/006	Records demonstrated all stakeholders approve of WRD design.	Continue to progressively rehabilitate in accordance with PEPR2013/006

Outcome	Outcome measurement criteria (OMC)	OMC compliance status	Outcome Achievement	Outcome Achievement status	Outcome Achievement actions summary	Evidence	Forward work plan
surrounding landscape				preparation of draft Mine Closure Plan			
	Records show that any complaints/concerns pertaining to visual amenity of WRDs are adequately addressed prior to closure.	Compliant	Records show that all complaints from neighbouring landholders resolved within 30 days to the satisfaction of both parties without the involvement of DPC.	Compliant	Continue to progressively rehabilitate in accordance with PEPR2013/006	Complaints register. No complaints received.	Continue to progressively rehabilitate in accordance with PEPR2013/006
Re-establishment of existing ecosystem and landscape function							
Limit the environmental impact and where practical, re-establishment of the existing ecosystem and landscape function	Annual assessment by internal specialist or external consultant and a final report from a suitably qualified person confirms that Landscape Function Analysis (LFA) indicates that the LFA curve has moved above, or is likely to move above, the critical threshold of sustainability compared to existing rehabilitated WRDs for new WRDs, out of pit haul roads and operational areas. This criteria to remain open until the target is met.	Compliant Final report requirement Not Applicable until post-mine closure	Results of annual monitoring	Compliant	Continue to operate in accordance with PEPR 2013/006	Annual LFA reports	Continue to operate in accordance with PEPR 2013/006
Landform stability							
The site is physically stable	Annual and final landform profile compliance audits demonstrates WRDs, quarry pit and eastern operational areas are constructed and remediated in accordance with design, closure and rehabilitation strategy set out in PEPR 2013/006Section 8 and shown in Appendix A-14	Compliant Final landform profile report requirement Not Applicable until post-mine closure	Results of annual landform profile audits Final landform profile compliance report completed after mine closure	Compliant	WRDs built to specification.	Annual landform profile audits	Continue to operate in accordance with PEPR 2013/006

Outcome	Outcome measurement criteria (OMC)	OMC compliance status	Outcome Achievement	Outcome Achievement status	Outcome Achievement actions summary	Evidence	Forward work plan
	Final geotechnical assessment demonstrates long term stability of pit slopes	Not applicable until mine closure	Submit final geotechnical assessment report following pit closure				
Land use							
Rehabilitate the site to a stable condition that supports a resilient, self-sustaining natural ecosystem suitable for the post mining land use determined in consultation with relevant stakeholders	Independent professional site audit at mine closure demonstrates the quarry site meets rehabilitation requirements of the PEPR/MOP (Section 8 and Appendix A-14) and stakeholder consultation outcomes	Compliant Final report requirement Not Applicable until post-mine closure	Independent audit report post-mine closure	Not required until post-mine closure	N/A	N/A	Continue to progressively rehabilitate in accordance with PEPR2013/006
Infrastructure removal							
Ensure all infrastructure is removed from the quarry site prior to mine closure	Final closure audit report demonstrates that all mine infrastructure (fixed and mobile) is demolished, disposed of, or removed from quarry site within two years of mine closure	Noted Not applicable until mine closure					
Equipment removal							
Ensure all equipment is removed from quarry site prior to mine closure	Final closure audit report demonstrates that all mobile and fixed machinery and equipment is removed from the quarry site within 12 months of completion of rehabilitation of all WRDs, haul roads and open areas	Noted Not applicable until mine closure					

Outcome	Outcome measurement criteria (OMC)	OMC compliance status	Outcome Achievement	Outcome Achievement status	Outcome Achievement actions summary	Evidence	Forward work plan
Waste disposal							
No industrial or domestic waste is left on the quarry site at mine closure	At cessation of mining records demonstrate all industrial and domestic wastes are disposed of in accordance with the South Australian <i>Environment Protection Act 1993</i> , as determined by annual compliance audits	Noted. Maintain disposal records post mine closure	Compliance with EPA regulations via compliance audits of disposal records	N/A	Continue audits of disposal records.	Disposal records. Audit reports	Continue to operate in accordance with PEPR2013/006

8 COMPLIANCE WITH NON-OUTCOME BASED TENEMENT CONDITIONS

A review of compliance against non-outcome based lease conditions for Ardrossan is provided in Table 8.

Table 8 Compliance against non-outcome based lease conditions for Ardrossan – 2017

Condition	Compliance status	Evidence	Forward work plan
ML4040, ML4041, ML4042, ML4044, ML4045, ML4046			
Including in such lease during its continuance the following rights and liberties for the lessee and the lessee's agents servants and workmen in or upon said land:			
1. To mine and obtain for the lessee's own use and benefit All Minerals Except Extractive Minerals, Precious Stones, Salt, Coal and Gypsum in or upon said land; and	Compliant		
2. For or incidental to the purpose aforesaid in or upon the said land	Compliant		
a) To cut and construct races drains dams reservoirs roads and tramways; and			
b) To erect offices buildings works and machinery; and			
c) To erect dwellings for use by the lessee and the lessee's agents, servants and workmen for the purpose of residence and all other necessary or convenient powers authorities privileges and advantages for all or any of the purposes aforesaid subject to the provisions of the Act and regulations and the Mines and Works Inspection Act, 1920-1979, and all regulations made thereunder and subject to such rights interest and authorities as may be lawfully subsisting in the said land at the date of this lease except and always reserved out of this lease all substances other than those mentioned in the preceding paragraph (1) in or upon said land and all persons authorised by said Act and regulations shall have full and free liberty of access ingress egress and regress with or without horses cattle cart drays carriages motor cars engines and machinery and all other necessary implements and things into upon and from the said land and any part or parts thereof for all reasonable purposes and to mine and obtain all or any of the substances mentioned in the said preceding paragraph (1) in or upon the said land and for or incidental to these purpose the rights and liberties mentioned in the preceding paragraph (2) and also excepting and reserving all pastoral lessees (if any) of the said land a right of access and user for domestic purposes and for the			

Condition	Compliance status	Evidence	Forward work plan
<p>purposes of watering stock to and of any surface water on the said land which shall not have been provided or stored by artificial means by the lessee.</p> <p>To hold the said land and premises with appurtenances (except and reserved and subject as aforesaid) unto the lessee from the Fourteenth day of December one thousand nine hundred and seventy two for and during the term of seven (7) years from thence next ensuing for the purposes of mining therein and thereon for All Minerals Except Extractive Minerals, Salt, Gypsum, Coal and Precious Stones together with the rights and liberties hereinbefore granted but for no other purpose.</p> <p>Yielding and paying therefore unto the Minister</p> <ol style="list-style-type: none"> Yearly and every year in advance on the 14th day of December in each year during the said term the yearly rental of (ML 4040 Fifty Five Dollars (\$55.00); ML 4041 Forty Five Dollars (\$45.00); ML 4044 Thirty Five Dollars (\$35.00) MLs 4042, 4045, 4046, Ten Dollars(\$10.00)) and A further sum yearly and each year during the said term a royalty of Two and One Half per centum on All Minerals Except Extractive Minerals, Salt, Gypsum, Coal and Precious Stones recovered from the said land during the year at the times and in the manner prescribed. 			
And the lessee doth hereby covenant with the Minister in manner following that is to say:			
<ol style="list-style-type: none"> That the lessee will during the said term pay or cause to be paid to the Director at the offices of the Department of Mines and Energy in the said State on behalf of the Minister, the rent, and other sum hereby reserved at the times and in the manner hereinbefore appointed for payment thereof free and clear of all rates, taxes, impositions, outgoings, and deductions whatsoever. 	Compliant		Continue to comply with applicable Legislation, Regulations and Licence Conditions
<ol style="list-style-type: none"> That the lessee will pay and discharge all rates taxes assessments impositions and outgoings which during the said term shall become payable in respect of the land. 	Compliant		Continue to comply with applicable Legislation, Regulations and Licence Conditions

Condition	Compliance status	Evidence	Forward work plan
3. That the lessee will maintain in position during the said term all posts and boundary indicator markers required by the said regulations to be erected or placed on the said land in the manner prescribed by the said Act and regulations.	Compliant		
4. That the lessee will mine the said land in a fair orderly skilful and workmanlike manner and bona fide exclusively for the purpose for which it is demised so as to effect the maximum recovery of the mineral resources consistent with economic practicability and shall ensure that all waste materials containing minerals are so placed that they are reasonably accessible for retreatment.	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions
5. That the lessee will whenever required by the Director of Mines at the lessee's own cost and in the manner required by any regulations for the time being in force in that behalf cause to be made a survey of the said land and cause to be forwarded to the said Department of Mines a map or plan of such survey.	Compliant		
6. That the lessee will at all times during the said term to keep and preserve the mines and premises in good order repair and condition and in such good order repair and condition at the end or other sooner determination of the term deliver peaceable possession thereof and of all and singular the said land hereby leased unto the Minister or to some officer duly authorised by him to receive possession thereof.	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions
7. That the lessee will furnish as prescribed by the said Act and regulations all returns prescribed by the said Act and Regulations.	Compliant		Continue to comply with applicable Legislation, Regulations and Licence Conditions
8. That the lessee will permit the pastoral lessee (if any) of the said land at all times to have free access and user for domestic purposes and for the purposes of watering stock to and of any surface water on the said land which shall not have been provided or stored by artificial means by the lessee.	Compliant		
9. That the lessee will not during the continuance of the said term without the written consent of the Minister first had and obtained use or occupy or permit to be used or occupied the said land other than for the purpose of exercising the rights and liberties hereinbefore granted.	Compliant		
10. That the lessee will permit any person who holds a right privilege or authority under the said Act or regulations to exercise the same.	Compliant		Continue to comply with applicable Legislation, Regulations and Licence Conditions

Condition	Compliance status	Evidence	Forward work plan
11. That the lessee will not during the said term assign, transfer, sublet, part with possession of or make the subject of any trust or other dealing, whether directly or indirectly, the said land for the whole or any part of the said term without the prior consent in writing of the Minister.	Compliant		
12. That the lessee will observe, perform and carry out the provisions of the said Act and regulations and the provisions of any Act for the time being in force relating to the use, enjoyment or occupation of mineral lands.	Compliant		Continue to comply with applicable Legislation, Regulations and Licence Conditions
Provided always and it is hereby agreed and declared in manner following:			
14. That the lessee shall permit the Minister or the Director of Mines or any person duly appointed by either the Minister or the Director at all proper and reasonable times during the said term without any interruption from the lessee or the lessee's agents or servants to enter into and upon the said land to view and examine the mining operations conducted or performed in pursuance of this lease and to use all reasonable means to achieve such purpose and to examine and take extracts from all books accounts vouchers or documents appertaining to the Lessee's mining operations in pursuance of this lease.	Compliant		Continue to comply with applicable Legislation, Regulations and Licence Conditions
15. That the Minister may at any time require the lessee to pay any person an amount of compensation, stipulated by the Minister, to which that person is in the opinion of the Minister, entitled in consequence of the conduct of mining operations in pursuance of this lease.	Compliant		
16. That the lessee shall on due performance and observance of the covenants conditions and provisos herein contained be entitled to a renewal from time to time of this lease for any period at each renewal not exceeding twenty-one years from the expiration of this lease or any renewal thereof at the rent for the time being chargeable by law in respect of the leases of the same class as this lease and shall be subject to the covenants, conditions and provisos prescribed by any Act or regulations for the time being in force relating to leases of the same class as this lease.	Compliant		
17. That if the lessee shall during the said term commit any breach or shall fail to comply with any covenant condition or proviso herein contained this lease shall be liable to forfeiture in the manner hereinafter provided.	Compliant		

Condition	Compliance status	Evidence	Forward work plan
18. That if the rent or royalty shall be in arrear and unpaid for more than one calendar month after the day on which the same is payable under this lease it shall be lawful for the Minister to cancel this lease and the Minister may thereupon insert a notice in the Government Gazette declaring this lease to be forfeited.	Compliant		
19. That if the Minister has reason to believe that that there has been a breach or non-compliance with any of the covenants conditions or provisos herein contained, other than a breach of the covenant for payment of the said rent or royalty the Minister shall give or cause to be given by any duly authorised officers of the Minister written notice to the lessee specifying the covenants conditions or provisos which he has reason to believe are not being with and notifying the lessee that this lease will be liable to forfeiture at the expiration of one month from the date of such notice unless in the meantime such covenants conditions or provisos are duly complied with and if at the expiration of such notice such covenants, conditions or provisos are still not being complied with by the lessee the Minister may cancel this lease notwithstanding that the rent or other royalty payable under this lease for the period during which such breach is committed may have been paid and notwithstanding any implied waiver of such breach by the Minister and the Minister shall thereupon cause to be inserted by duly authorised officers of the Minister a notice in the Government Gazette declaring this lease to be forfeited. In case of a breach of the covenant for payment of the said rent or royalty the Minister may exercise the power of cancellation without giving the written notice hereinbefore mentioned.	Compliant		
20. That a notice of forfeiture as hereinbefore mentioned in the last two preceding provisos so published in the Government Gazette shall be taken to be conclusive evidence that this lease has been legally cancelled and forfeited.	Compliant		
21. Where the Warden's Court has recommended that the forfeiture of a lease under Section 70 of the said Act the Minister may forfeit the lease in the manner prescribed in that Section.	Compliant		
22. That the lessee subject to his compliance with the covenants conditions and provisos of this lease shall be at liberty to surrender this lease by giving to the Minister	Compliant		

Condition	Compliance status	Evidence	Forward work plan
three calendar months' notice in writing of the lessee's desire or intention to do so.			
23. That			
a) Any notice to be given to or demand to be made upon the lessee by or on behalf of the Minister shall be deemed to be duly given or made if the same be left at or sent through the post in a prepaid envelope addressed to the lessee at the address of the lessee shown in the Mining Register and any such mode of service shall in all respects be valid and effectual and any such notice or demand if sent through the post as aforesaid shall be deemed to have been received by the lessee within three days following the day on which the envelope containing such notice or demand is posted.	Compliant		
b) In the construction of these presents each and every word term or expression defined in the Section6 of the said Act shall have the same meaning where used in these presents, the masculine shall include the feminine, words importing persons shall include corporations, and the singular shall include the plural where the context or circumstances require and unless inconsistent with or repugnant to the context the following words shall have the meanings set opposite them respectively "the said land" includes any part thereof; "the said term" includes any renewal or extension thereof.			
ML5317			
2. The lessee together with his servants and agents shall have the following rights and liberties during the continuance of this lease, namely:			
(1) To conduct mining operations and obtain for the Lessee's own use and benefit All Minerals Except Extractive Minerals, Precious Stones, Salt, Coal and Gypsum in the manner prescribed in the First Schedule hereto	Compliant		
(2) For or incidental to the purposes aforesaid:	Compliant		
a. To cut and construct races, drains, dams, reservoirs, roads and tramways;			

Condition	Compliance status	Evidence	Forward work plan
(3) To sell and dispose of the minerals obtained, from the land in pursuance of this lease or to utilise any such minerals for any commercial or industrial purpose.	Compliant		
3. This lease shall be for a term of Twenty One (21) years ('the term') commencing on the twenty third day of December 1985.	Compliant		
4. The lessee shall use the land for the purposes of mining therein and thereon for All Minerals Except Extractive minerals, Precious Stones, Salt, Coal and Gypsum together with the rights and liberties hereinbefore granted and for no other purpose.	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions
5. The Lessee shall pay to the Minister: 1. Yearly in advance on the Twenty Third day of December in each year during the term the yearly rental as prescribed by the Regulations, and, 2. A further sum during the term, being a royalty of Two and One Half per centum on All Minerals Except Extractive Minerals, Precious Stones, Salt, Coal and Gypsum recovered from the land at the times and in the manner prescribed.	Compliant		
6. The Lessee hereby further covenants with the Minister as follows:			
(1) To pay or cause to be paid to the Director at the offices of the Department of Mines and Energy in the State on behalf of the Minister, the rent, and other sum hereby reserved at the times and in the manner hereinbefore appointed for payment thereof free and clear of all rates, taxes, impositions, outgoings, and deductions whatsoever	Compliant		Continue to comply with applicable Legislation, Regulations and Licence Conditions
(2) To pay and discharge all rates taxes assessments impositions and outgoings which shall become payable in respect of the land	Compliant		Continue to comply applicable Legislation, Regulations and Licence Conditions
(3) To maintain in position all posts, boundary indicator markers and notices required by the Regulations to be erected or placed on the land in the manner prescribed by the Act and the Regulations.	Compliant		
(4) To mine the land in a fair, orderly skilful and workmanlike manner in accordance with the First Schedule hereto and bona fide exclusively for the purpose for which it is demised so as to effect the maximum recovery of the mineral resources	Compliant		

Condition	Compliance status	Evidence	Forward work plan
consistent with economic practicability and shall ensure that all waste materials containing minerals are so placed that they are reasonably accessible for retreatment.			
(5) To supply the Director, forthwith upon written request, with a copy of such records kept pursuant to Section 77 of the Act	Compliant		
(6) To make a survey of the land and cause a map or plan of such survey to be sent to the Director whenever the Director requires, and any and every such survey shall be at the Lessee's own cost and, shall be carried out in the manner required by the regulations (whether under the Act or otherwise).	Compliant		
(7) At all times to keep and preserve the mines and premises in good order, repair and condition and in such good order, repair and condition at the end or sooner determination of the term deliver peaceable possession thereof and of all and singular the land hereby leased unto the Minister or to some officer duly authorised by him to receive possession thereof.	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions
(8) To furnish all returns prescribed by the Act and Regulations.	Compliant		Continue to comply with applicable Legislation, Regulations and Licence Conditions
(9) To permit the pastoral lessee (if any) of the land to have free access and user at all times for domestic purposes, and for the purposes of watering stock from any surface water on the land which shall not have been provided or stored by artificial means by the Lessee.	Compliant		
(10) Not to use or occupy the land or permit the same to be used or occupied otherwise than for the purpose of exercising the rights and liberties hereinbefore granted without first obtaining the written consent of the Minister.	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions
(11) Not to assign, transfer, sublet the land, or make the land subject of any trust or other dealing, whether directly or indirectly, for the whole or any part of the term without first obtaining the written consent of the Minister.	Compliant		
(12) To observe, perform and carry out the provisions of the Act and Regulations and the provisions of any other Act or regulations for the time being in force	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions

Condition	Compliance status	Evidence	Forward work plan
relating to the use, enjoyment or occupation of mineral lands.			
(13) To perform and comply with all the conditions set out in the Second Schedule annexed hereto.	Compliant		
(14) To permit the Minister or the Director or any person duly appointed by either of them at all proper and reasonable times without any interruption from the Lessee or the Lessee's agents or servants to enter into and upon the land to view and examine the mining operations conducted in pursuance of this lease and to use all reasonable means to achieve such purposes and to examine and take extracts from all books, accounts, vouchers or documents appertaining to the Lessee's mining operations in pursuance of this lease.	Compliant		Continue to comply with applicable Legislation, Regulations and Licence Conditions
(15) That the Minister may, at any time, require the Lessee to pay any person an amount of compensation, stipulated by the Minister, to which the person is, in the opinion of the Minister, entitled in consequence of the conduct of mining operations in pursuance of this lease and the Lessee shall comply forthwith with such requirement.	Compliant		
(16) That if the lessee shall fail to comply with any covenant condition or proviso herein contained this lease shall be liable to forfeiture in the manner hereinafter provided	Compliant		
(17) That if the rent or royalty shall be in arrear and unpaid for more than three calendar months after the day on which the same is payable it shall be lawful for the Minister to cancel this lease and the Minister may thereupon insert a notice in the <i>Government Gazette</i> declaring the lease to be forfeit.	Compliant		
(18) That if the Minister has reason to believe that that there has been a breach or non-compliance with any of the covenants, conditions or provisos herein contained, other than a breach of the covenant for payment of the rent or royalty, the Minister may give or cause to be given by any duly authorised officer of the Minister, written notice to the Lessee specifying the covenants, conditions or provisos which he has reason to believe are not being complied with and notifying the Lessee that this lease will be liable to forfeiture at the expiration of one month from the date of such notice unless in the	Compliant		

Condition	Compliance status	Evidence	Forward work plan
meantime such covenants, conditions or provisos are duly complied with, and if at the expiration of such notice such covenants, conditions or provisos are still not being complied with by the Lessee, the Minister may cancel this lease notwithstanding that the rent or other royalty payable under this lease for the period during which such breach is committed may have been paid and notwithstanding any implied waiver of such breach by the Minister and the Minister shall thereupon cause to be inserted by any duly authorised officer of the Minister a notice in the <i>Government Gazette</i> declaring this lease to be forfeited. In case of a breach of the covenant for payment of the rent or royalty the Minister may exercise the power of cancellation without giving the written notice hereinbefore mentioned.			
(19) That a notice of forfeiture as hereinbefore mentioned in the last two preceding provisos so published in the <i>Government Gazette</i> shall be taken to be conclusive evidence that this lease has been legally cancelled and forfeited	Compliant		
7. Any notice to be given to or demand to be made upon the Lessee by or on behalf of the Minister shall be deemed to be duly given or made if the same be left at or sent through the post in a prepaid envelope addressed to the Lessee at the address of the Lessee shown in the Mining Register and any such mode of service shall in all respects be valid and effectual and any such notice or demand if sent through the post as aforesaid shall be deemed to have been received by the Lessee within three days following the day on which the envelope containing such notice or demand is posted.	Compliant		
8. In the construction of these presents each and every word, term or expression defined in the Act shall have the same meaning where used in these presents, the masculine shall include the feminine, words importing persons shall include corporations, and the singular shall include the plural where the context or circumstances require and unless inconsistent or repugnant to the context the following words shall have the meanings set opposite them respectively i. 'amendment' includes an addition, excision or substitution;	Compliant		

Condition	Compliance status	Evidence	Forward work plan
ii. 'the Act' means the Mining Act 1971, as amended, together with any amendment thereof; iii. 'the Director' means the Director of Mines; iv. 'the land' includes any part thereof; v. 'the Lessee' means and includes a. In the case of a natural person the executors, administrators and assigns of that person; b. In the case of a body corporate the successors, administrators or permitted assigns thereof; vi. 'the Minister' means the Minister of Mines and Energy, being a corporation sole pursuant to the provisions of the Act; vii. 'the Regulations' means the Regulations under the Act in force for the time being; viii. 'the term' includes any renewal or extension thereof.			
First Schedule			
1. Mining operations for the recovery of dolomite may be conducted over the area of the lease in accordance with a development programme approved by the Chief Inspector of mines.	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions
2. Overburden and waste material from Private Mine 291 may be deposited in the area of the lease shown on the attached plan in accordance with a development plan approved by the Chief Inspector of Mines.	Compliant		
Second Schedule			
1. Rehabilitation shall be progressive and to the satisfaction of an Inspector of Mines. Without limiting the generality or derogating from Clause 6(12) of this agreement, the lessee shall comply with the provisions of <ul style="list-style-type: none"> The Mines and Works Inspection Act, the Regulations made thereunder or any lawful direction given by an Inspector pursuant to the provisions of the Act or any legislation amending, repealing or replacing the Act. Note: Any variation to the specification above must have the prior written consent of the Minister.	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions

Condition	Compliance status	Evidence	Forward work plan
MPL46, MPL132			
2. It is hereby further agreed and declared between the parties hereto that the licence is granted upon the further conditions set out hereunder:			
1) The Licensee shall pay to the Minister licence fee at the offices of the Department of Mines and Energy in South Australia.	Compliant		Continue to comply with applicable Legislation, Regulations and Licence Conditions
2) The Licensee may enter upon the land and do all things effective in pursuance or ancillary to the purpose for which this licence is granted and do such things in a fair, orderly skilful and workmanlike manner;	Compliant		
3) The Licensee shall pay and discharge all rates, taxes, assessments, impositions and outgoings which shall become payable in respect of the land	Compliant		Continue to comply with applicable Legislation, Regulations and Licence Conditions
4) The Licensee shall comply with the provisions of the Act and the Regulations, and the provisions of any other Act and regulations for the time being in force relating to the use, enjoyment or occupation of mineral lands.	Compliant		
5) The Licensee shall do such things in pursuance of this licence in such a manner as to <ul style="list-style-type: none"> a. To prevent the pollution to or contamination of surface or underground waters, and b. To minimise surface damage to the land. 	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions
6) The Licensee shall ensure that, in drilling or other underground investigations, no interconnection between ground water aquifers occurs.	Compliant		
7) The Licensee shall permit the Minister or the Director or any person duly appointed by either of them at all reasonable times to enter upon the land and survey and examine the condition thereof.	Compliant		
8) The Licensee shall, in using and exercising the licence hereby granted, take all necessary action to afford adequate protection against detriment resulting from the conduct of operations in pursuance of the licence.	Compliant		
9) MPL46. The Licensee shall perform and comply with all of the conditions set out in Schedule C attached hereto.	Compliant		

Condition	Compliance status	Evidence	Forward work plan
MPL132. The Licensee shall perform and comply with all of the conditions set out in First & Second Schedules attached hereto.			
3. Any notice to be given to or demand to be made upon the Lessee by or on behalf of the Minister shall be deemed to be duly given or made if the same be left at or sent through the post in a prepaid envelope addressed to the Lessee at the address of the Lessee shown in the Mining Register and any such mode of service shall in all respects be valid and effectual and any such notice or demand if sent through the post as aforesaid shall be deemed to have been received by the Lessee within three days following the day on which the envelope containing such notice or demand is posted.	Compliant		
<p>4. In the construction of these presents each and every word, term or expression defined in the Act shall have the same meaning where used in these presents, the masculine shall include the feminine, words importing persons shall include corporations, and the singular shall include the plural where the context or circumstances require and unless inconsistent or repugnant to the context the following words shall have the meanings set opposite them respectively</p> <p>i. 'amendment' includes an addition, excision or substitution;</p> <p>ii. 'the Act' means the Mining Act 1971, as amended, together with any amendment thereof;</p> <p>iii. 'the Director' means the Director of Mines;</p> <p>iv. 'the land' includes any part thereof;</p> <p>v. 'the Lessee' means and includes</p> <p>aa. In the case of a natural person the executors, administrators and assigns of that person;</p> <p>bb. In the case of a body corporate the successors, administrators or permitted assigns thereof;</p> <p>vi. 'the Minister' means the Minister of Mines and Energy, being a corporation sole pursuant to the provisions of the Act;</p> <p>vii. 'the Regulations' means the Regulations under the Act in force for the time being;</p> <p>viii. 'the term' includes any renewal or extension thereof.</p>	Compliant		

Condition	Compliance status	Evidence	Forward work plan
MPL46			
Schedule B			
1. Ancillary mining operations for the construction of an overburden waste dump may be conducted over the area of the licence.	Compliant		
2. Ancillary mining operations and rehabilitation shall be conducted in accordance with a development program approved in writing by the Chief Inspector of Mines.	Compliant		
3. Land disturbed by ancillary mining operations shall be rehabilitated.	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions
Schedule C			
1. The outer perimeter of the overburden waste dump shall be progressive re-contoured to a regular landform and shall be revegetated to the satisfaction of the Chief Inspector of Mines.	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions
2. The perimeter faces of the overburden waste dump shall be battered at an angle of not greater than 11.3°, i.e. Not greater than 1 vertical to 5 horizontal, and shall be spread with topsoil and sown to native vegetation.	Compliant		
MPL132			
First Schedule			
1. The Miscellaneous Purpose Licence (MPL) is granted for the purpose of storing overburden specifically for use in association with the mining operation known as Ardrossan Quarry authorised under Private Mine (PM) 291 and mining tenement(s) Mineral Leases MLs) 4040, 4041, 4042, 4044, 4045, 4046, 5317 and Miscellaneous Purpose Licence (MPL) 46, in accordance with the Miscellaneous Purposes Licence Proposal document dated 10 June 2019.	Compliant		
2. The Licensee must not commence or undertake any activities on the land authorised under this Licence until a Mining and Rehabilitation Program (MARF) has been approved by the Minister and a bond has been paid in accordance with Section 62 of the <i>Mining Act 1971</i> .	Compliant		
3. The Licensee must prepare a MARF that complies with the requirements of guidelines approved by the Director of Mines and include environmental outcomes and criteria that are developed in consultation with relevant stakeholders.	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions

Condition	Compliance status	Evidence	Forward work plan
4. The criteria included in the MARP must demonstrate clear and unambiguous achievement of the environmental and mine closure outcomes specified in Schedule 2 by: <ul style="list-style-type: none"> • Including the specific parameters to be measured and monitored by the Licensee • Specifying the locations that the parameters will be measured, or how these locations will be determined • Clearly stating the acceptable values for demonstrating achievement of the outcome, with consideration for inherent errors in measurement • Specifying the frequency of the monitoring by the Licensee • Identifying what background or control data are to be used or specify how it will be acquired (if necessary) 	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions
5. The Licensee must implement and comply with the approved MARP	Compliant		
6. The Licensee must review the MARP on request of the Director of Mines within a time specified in the request and submit the revised MARP for approval to the Director of Mines.	Compliant		
7. The Licensee agrees the MARP will be made available for public inspection.	Compliant		
8. The Licensee must demonstrate upon request and to the Director of Mines, the Licensee's capability and competence to comply with the requirements of the <i>Mining Act 1971</i> , the conditions of this licence, and the MARP.	Compliant		
9. The Licensee must provide to the Director of Mines a Mining and Rehabilitation Compliance Report (MARCR) on operations carried out on the licence and compliance with the approved MARP. The MARCR must be submitted every year, within 2 months after the anniversary of the date the licence was granted, or at some other time agreed with the Director of Mines in accordance with guidelines approved by the Director of Mines. The Licensee agrees to the MARCR being made available for public inspection.	Compliant		
10. The Licensee must, if requested by the Director of Mines, undertake an independent audit of achievement of the environmental outcomes of the MARP, by an independent expert approved by the Director of Mines. The audit will be made available to the public, in a	Compliant		

Condition	Compliance status	Evidence	Forward work plan
manner and form to be determined by the Director of Mines. The Licensee must meet all charges and costs of undertaking the independent audit.			
11. At least three months prior to Licence relinquishment or expiry, the Licensee must provide to the Minister a Mine Completion Report prepared in consultation with the landowner and in accordance with guideline approved by the Director Of Mines, which demonstrates achievement of the completion criteria as specified in the current MARP.	Compliant		
12. The Licensee must, prior to commencing operations under this licence and for the duration of the Licence maintain public liability insurance to cover all operations under the Licence (including sudden and accidental pollution) in the name of the Licensee for a sum not less than \$20 million or such greater sum as specified by the Director of Mines, and make3 such amendments to the terms and conditions of the insurance as the Director of Mines many require. A copy of the cover note of certificate of currency for the insurance must be provided to the Director of Mines upon request.	Compliant		
13. If requested by the Director of Mines, the Licensee must engage an independent and reputable risk assessor to prepare a risk assessment report detailing the public liability risks arising from out of the conduct of operations on the Licence, and recommending the level of amount of public liability cover (in respect of any one occurrence) that should be affected and maintained by the Licensee. In preparing the risk assessment report, the assessor must consult with the landowner and the Director of Mines. In specifying the level of insurance required, the Director of Mines accepts no liability for the completeness, adequacy of the sum insured, the limit of liability, the scoped coverage, the conditions or exclusions of the insurance in respect of how the Licensee may or may not respond to any loss, damage or liability.	Compliant		
14. The Licensee must report any non-conformance with these conditions or approved MARP to the Director of Mines. A verbal notification must be provided within 24 hours, after the Licensee becomes aware of the non-compliance. A written report must be provided within 3 days or such time period as approved by the Director of Mines.	Compliant		
15. In requesting a review of the bond required under the Mining Act 1971, the Minister may request that written	Compliant		

Condition	Compliance status	Evidence	Forward work plan
<p>quotes from a third party are obtained by the Licensee for the cost of rehabilitating the site to the requirements specified in the approved MARP.</p> <p>The Licensee must meet all the charges and costs in obtaining and maintaining the Bond.</p>			
<p>Second Schedule</p> <p>Air Quality</p> <p>1. The Licensee must, in constructing and operating the Licence ensure that there are no public health and/or nuisance impacts to local residents from dust generated by mining operations.</p>	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions
<p>Aboriginal and European Heritage</p> <p>2. The Licensee must, in constructing and operating the Licence ensure that there is no disturbance to Aboriginal or European artefacts or sites of significance unless prior approval under the relevant legislation is obtained.</p>	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions
<p>Weeds and Pests (feral animals)</p> <p>3. The Licensee must, in constructing and operating the Licence ensure no introduction of new species of weeds, plant pathogens or pests (including feral animals), nor increase in abundance of existing weed or pest species in the Licence area compared to adjoining land.</p> <p>Weeds are defined in this condition as any invasive plant that threatens native vegetation in the local area or any species recognised as invasive in South Australia.</p>	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions
<p>Soil</p> <p>4. The Licensee must, in constructing and operating the Licence ensure that the existing soil quality and quantity is maintained.</p>	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions
<p>Stormwater</p> <p>5. The Licensee must, in constructing and operating the Licence ensure no water contaminated as a result of mining operations leaves the Licence area or results in loss of or contamination of soil on or off the Licence.</p>	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions
<p>Waste Disposal and Hazardous Substances</p> <p>6. The Licensee must, in constructing and operating the Licence ensure that all domestic or industrial waste is disposed of in accordance with relevant legislation.</p>	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions

Condition	Compliance status	Evidence	Forward work plan
<p>Mine Closure</p> <p>The Licensee must demonstrate to the satisfaction of the Director of Mines that the following mine closure outcomes (in so far as they may be affected by the activities undertaken on the Licence) are expected to be achieved and sustained after completion of the activities authorised under the Licence:</p> <ul style="list-style-type: none"> • Integrate and harmonise final landforms and vegetation with the surrounding landscape • The site is physically stable • All mine waste materials left onsite are chemically and physically stable • No domestic or industrial waste left onsite • Where practical, pre mining land use is re-established. 	Compliant		Continue to comply with PEPR2013/006, applicable Legislation, Regulations and Licence Conditions

9 RECTIFICATION OF NON-COMPLIANCES

9.1 2013 - 2017

Details of actions associated with non-compliances in 2013 - 2017 for Ardrossan is provided in Table 9.

Table 9 Rectification of non-compliances - Ardrossan

Tenement	Date of incident	Detected by operator	Reportable under Regulation 87?	Date initially reported to Minister	Date written report to Minister	Non-compliance	Status	Further work plan
	None							

9.2 Outstanding items from previous reports

This is the first compliance report required for Ardrossan. There are therefore no outstanding items.

10 DISTURBANCE AND REHABILITATION

As outlined in Section 7, no clearing of native vegetation is required at Ardrossan Dolomite. Areas disturbed were historically cleared of native vegetation for farming.

Table 10 shows the hectares cleared and rehabilitated during the reporting period, and planned for the next period. Areas of rehabilitation are shown on Figure 3.

Table 10 Clearing and rehabilitation at Ardrossan Dolomite

Date	Location	Current Reporting Period		Next Reporting Period	
		Disturbed (ha)	Rehabilitated (ha)	Disturbed (ha)	Rehabilitated (ha)
2013	WRD 06 North.	37	0		
2014	WRD 04	0	48		
2015		0	0		
2016		0	0		
2017	WRD 06 Stage 1 <105RL	0	74		
2018				37	74
Total this reporting period		37	122		
Previously reported		Nil	Nil		



Figure 3 Current Ardrossan Dolomite configuration

11 RECONCILIATION OF NATIVE VEGETATION CLEARANCE

Historically, there has been no native vegetation clearance or other triggers prescribed in the Native Vegetation Act 1991 at the Ardrossan Dolomite Quarry. The quarry site was cleared for earlier agricultural purposes and little remnant vegetation remains (EBS 2007). Surveys undertaken in 2007 and 2012 as part of assessments for the WRD extension on MPL132 identified no flora species of state, regional or national conservation significance on the quarry site (Section 2.12, MOP/PEPR 2013/006).

12 ENVIRONMENT PROTECTION AND BIODIVERSITY CONSERVATION ACT REPORTING

SIMEC Mining has no requirement to demonstrate compliance with the Commonwealth *Environment Protection and Biodiversity Conservation (EPBC) Act 1999*, as none of the Company's Ardrossan Dolomite tenements are subject to a controlled action under the Act.

13 EXEMPT LAND

SIMEC Mining's Ardrossan operation does not impact any land Exempt under Section 9 of the Mining Act.

14 COMPLAINTS

There was one complaint received in relation to Ardrossan operations in the reporting period (Table 11). SIMEC Mining continues to actively work with complainants to address their concerns once received.

Table 11 Complaints register – Ardrossan (1 January 2013 to 31 December 2017)

Complaint reference	Date received	Complaint type	Was the complaint a result of a PEPR non-compliance?	Date rectified	Forward work plan
52/13	25/01/2013	Dust emissions	No	Information provided to complainant; no date recorded.	Continued focus on improved dust control

15 MANAGEMENT SYSTEM REVIEWS

15.1 ISO AS/NZS 14001 Audit

In October 2017, SAI Global (2015) completed an audit of Liberty OneSteel Whyalla Steelworks and SIMEC Mining as part of its ISO AS/NZS 14001 certification program (certificate number C10317). The audit occurred shortly after GFG Alliance took ownership of the former OneSteel and Arrium Mining businesses.

The purpose of the audit was to determine implementation of the businesses' management system in ensuring continual compliance with customer, statutory and regulatory requirements, and in meeting its specified objectives; and the conformity of the management system to stated criteria.

The audit found the Environmental Management System (EMS) to be effective, and the businesses committed to the intent and requirements of the ISO14001:2015 standard, an upgrade from the previous ISO 14001:2004 certification. The audit recognised the company's efforts by management and staff to achieve this successful upgrade in a turbulent period for the company.

The audit found that "...new elements such as organisational context were already well understood and embedded within the organisation and have now been effectively included within the scope of its EMS...(and that)...your management system is effective in ensuring that the organisation can reasonably expect to achieve its defined objectives." (SAI Global p.4)

The audit identified two minor non-conformances relevant to Ardrossan. These minor non-conformances were assigned corrective actions and placed in the company's issues management system for tracking and close-out. No major non-conformances were identified and no findings that identified a threat to SIMEC Mining's ability to meet the approved environmental outcomes.

15.2 Internal reviews & audits

In 2017, SIMEC Mining completed 12 internal inspections and audits at Ardrossan (Table 12).

Table 12 SIMEC Mining 2017 internal audits & reviews

Date	Audit Type	Classification
3/02/2017	Stormwater Infrastructure Inspection	Internal Site
3/02/2017	Weed Audit	Internal Site
3/02/2017	Topsoil Stockpile Inspection	Internal Site
3/02/2017	Bunding Audit	Internal Site
30/03/2017	Rehabilitation Photo Point Update	Internal Site
15/09/2017	Topsoil Stockpile Inspection	Internal Independent
15/09/2017	Bunding Audit	Internal Independent
15/09/2017	Waste Management	Internal Independent
15/09/2017	Stormwater Infrastructure Inspection	Internal Independent
15/09/2017	Weed Audit	Internal Independent
15/09/2017	Photo Point Update	Internal Independent
7/12/2017	Desktop Audit of Updated Ardrossan Licence 13110	Internal Independent

16 VERIFICATION OF UNCERTAINTIES

Assumptions of uncertainties related to Ardrossan operations in 2018 are provided in Table 13. The approval of MOP/PEPR 2013/006 (DMITRE Ref MO6429.002, A1646002 dated 3 May 2013) contained no Matters Subsequent to the Approval.

Table 13 Uncertainties in relation to compliance for Ardrossan Dolomite 2013 – 2017

Description of assumption of uncertainty	Estimated date to resolve	Progress in reporting period	Confirmed	Forward work plan
Nil				

17 CHANGE TO MINING OPERATIONS AND EMERGING ENVIRONMENTAL HAZARDS

17.1 Changes to mining operations

17.1.1 New Waste Dump Designs

In May 2017, Arrium submitted a Minor Change Notification: New Waste Dump Designs to DPC (Arrium, 2017; Table 14). This document included a self-assessment of the proposed change in accordance with DPC Minerals Regulatory Guidelines MG2b (2015).

The self-assessment concluded that the proposed re-optimised Ardrossan WRD design did not result in a material change to previously assessed risk profiles and hence did not trigger a requirement to amend the outcomes and measurement criteria contained in the Ardrossan PEPR/MOP (MOP No 2013/006). DPC assessed this notification, and agreed no additional approvals were required (DPC, 2017).

Table 14 Description of changes to the Ardrossan mining operation

Description of change to mining operation	Date project variation submitted to DSD or other regulatory agency	Document reference number	Date regulatory authority correspondence received	Forward work plan
Revised Waste Rock Dump Design	29/05/17	WPC-174 (Rev 0)	23/06/17	Construct as per revised design

17.1.2 Retention Lease Proposal for MC4413

In March 2018, SIMEC Mining submitted a Retention Lease Proposal to DPC for the area of Mineral Claim 4413 (MC4413). SIMEC included a proposed schedule of works (Table 15) as part of this Proposal.

Information in this section falls outside the reporting period of this report. It is included for information, and because the proposed scope of work included in the proposal is likely to be completed during the reporting period for the next compliance report.

17.2 Emerging environmental hazards

No emerging environmental hazards were identified in the reporting period.

Table 15 Proposed Schedule of Works for MC4413

Proposed works	Description	Indicative Timeframe (Calendar Year)
Geological data review all tenements	Review current mine plan and develop drilling Scope of Work	1 st Quarter 2018
E-PEPR	Develop E-PEPR for drill program	Second half of 2018
Exploration drilling PM291, ML5317	RC drilling to assess the extent of limestone intrusion into existing dolomite reserves. This includes detailed geochemical analysis, and assessment of physical parameters such as density particle size (waste only), dispersivity (waste only) and exchangeable sodium percentage (waste only)	First half 2019
Technical/resource drilling proposed retention lease	RC drilling to obtain samples for detailed geochemical analysis, assessment of physical parameters such as density particle size (waste only), dispersivity (waste only), exchangeable sodium percentage (waste only), PAF (waste only) and to improve resource definition	First half 2019
Resource model update	Develop an updated resource model incorporating current data and new drill data from all tenements, including the proposed retention lease	Second half 2019
Mine planning	Develop an updated pit design and whole of mine plan using the updated resource model and incorporating any potential production changes reflecting the GFG 'whole of business' assessment outcomes	Second half 2019
Preliminary Impact Assessment for Mining Lease Application over the retention lease	Gap analysis of currently available environmental and technical data against Ministerial Determination MD 006 to identify necessary work to prepare the MLP to convert retention lease to ML	Second half 2019
	Prepare scopes of work for identified gaps	1 st Quarter 2020
	Complete environmental and technical studies to fill identified gaps in knowledge and finalise the Preliminary Impact Assessment	2 nd , 3 rd , 4 th Quarter 2020
Stakeholder engagement	Discussions with stakeholders to keep community informed of proposed changes to the project.	As required, Second half 2018, 2019, 2020
Draft MLP	Prepare draft MLP (including internal review)	First half 2021
Key Stakeholder review of Draft MLP	Meetings with key Government and private stakeholders	3 rd Quarter 2021
Draft MLP responses	Consider stakeholder responses; review need for additional work and respond to feedback	4 th Quarter 2021/1 st Quarter 2022
Update MLP	Complete any identified additional investigations	2 nd Quarter 2022
	Revise draft MLP to incorporate response from key stakeholders and results of any additional investigations	3 rd Quarter 2022
Finalise MLP	Internal review and complete MLP	4 th Quarter 2022
	Submit MLP to replace retention lease	4 th Quarter 2022

Note: All timings are indicative only

18 TECHNICAL REPORTS

No technical studies or reports relevant to Ardrossan Dolomite mining tenements were generated during the reporting period 1 January 2013 – 31 December 2017.

19 VOLUNTARY INFORMATION

19.1 Community or wider environment support activities

19.1.1 Community sponsorship and support

SIMEC Mining's Ardrossan Dolomite Operation Community Support Program continues to assist its nearby communities by supporting ongoing and sustainable initiatives that provide:

- local youth with a range of opportunities to assist in their development for the future
- significant benefit to local communities usually in the way of major events or new or improved community facilities.

Some of the ongoing programs of which SIMEC Mining Ardrossan Dolomite Operation is a supporter include:

- The Smith Family's Learning For Life and Let's Read programs
- Sponsorship of the Federation trophy for Sporting Excellence at the Ardrossan Area School
- Sponsorship of the SIMEC Mining Academic Excellence award at the Ardrossan Area School.
- Ardrossan Men's Shed.
- Management and maintenance of the Ardrossan Lookout which is now open 24/7.
- Ardrossan CFS
- Sponsor of the Ardrossan Christmas Party.
- Sponsorship within the Ardrossan Football Club
- Sponsorship and active participation in the Ardrossan Skate Park Development committee.

19.1.2 Local employment opportunities

SIMEC Mining is supportive of employing local people, and recruits its Ardrossan workforce from local Ardrossan and other local communities.

19.2 Community engagement activities

19.2.1 Community consultation

SIMEC Mining continues to have regular contact with key community representatives who provide feedback on mining operations and how these are seen from a community perspective. Regular contact is through:

- phone calls, face-to-face meetings and email exchanges
- regular meetings with lessees and landholders who are located near SIMEC Mining's operations
- regular meeting with the Ardrossan Progress Association and the YP Council on existing and future SIMEC activities.
- periodic presentations to individual community group such as the Freemasons and Friends of the Hospital.

19.2.2 Indigenous consultation

An Indigenous Land Use Agreement (ILUA) between the Narungga Nation and the relevant local governments is in place for the majority of the Yorke Peninsula. The Agreement includes a protocol relating to Aboriginal heritage management in the area (SI2003/004 Narungga Local Government). SIMEC Mining has also consulted directly with representatives of the Narungga Nation Heritage Committee (NNHC) concerning site operations, and the further development of this site.

20 REFERENCES

Arrium Mining, 2012. *Arrium Mining Exploration Access Guidelines, QP50.58*, unpublished company procedure

Arrium Mining, 2013, Ardrossan Dolomite Quarry: Program for Environment Protection and Rehabilitation April 2013, Arrium Reference WPC-096 Rev 0, DPC Reference MOP/PEPR No 2013/006, South Australia

Department of the Premier and Cabinet (formerly Department of State Development), 2012. Mineral Exploration Drillholes – general specifications for construction and backfilling. South Australian Earth resources Information Sheet M21.

Department of the Premier and Cabinet, 2014. Ministerial Determination (MD 009) under Regulation 86(1), (3), (4) and (7) of the Mining Regulations 2011 (effective from 6th September 2012) determining the reporting periods and minimum information required to be provided in a Compliance Report for a Mineral Lease (ML)

Department of the Premier and Cabinet, 2015. *Minerals Regulatory Guidelines MG2b*, Section 8, November 2015

Department of the Premier and Cabinet, 2017. Letter dated 23 June 2017 re Minor Change Notification – New Waste Rock Design (DPC Ref 2017D022327).

Appendix A: Certificate of Currency Combined General Liability & Umbrella Liability Insurance

26 March 2018

CERTIFICATE OF CURRENCY COMBINED GENERAL LIABILITY & UMBRELLA LIABILITY INSURANCE

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE HOLDER. IT DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICY. IT IS PROVIDED AS A SUMMARY ONLY OF THE COVER PROVIDED AND IS CURRENT ONLY AT THE DATE OF ISSUE. FOR FULL PARTICULARS, REFERENCE MUST BE MADE TO THE CURRENT POLICY WORDING

INSURED

GFG Alliance Australia (comprising of Liberty ONESTEEL & SIMEC Mining) and all companies under their effective management control and all subsidiary corporations and related body corporates as defined in the Corporations Act 2001 (including those acquired or incorporated during the Period of Insurance) for their respective rights and interests

PERIOD OF INSURANCE

From 31 October 2017 at 4:00pm local standard time to 31 October 2018 at 4:00pm local standard time

INSURER

LIMIT OF LIABILITY / LAYER	INSURER / POLICY NUMBER
Primary \$10,000,000	Zurich Australian Insurance Limited Policy No: 72 2232551 GLR
Primary Umbrella \$40,000,000	Zurich Australian Insurance Limited Policy No: 72 2232552 GLR

INTEREST INSURED

Insured's legal liability in respect of property damage or personal injury arising out of an occurrence in connection with the Insured's business or products

LIMITS OF LIABILITY

\$50,000,000 any one occurrence, limited in respect of Products Liability to
\$50,000,000 in the aggregate for all occurrences for the Period of Insurance

TERRITORIAL LIMITS

Anywhere in the world

OTHER INTERESTS

This policy extends to cover Ardrossan Mining Area and the interests of the Minister for Mineral Resources and Energy has been noted

In accordance with the ongoing commitment by Marsh to quality management philosophies, this certificate has been verified for accuracy of content by:

Yours faithfully,

A handwritten signature in black ink, appearing to be 'LP.' with a stylized flourish.

Lloyd Pearson
Senior Account Executive