HERA MINE
ANNUAL REVIEW /
ANNUAL ENVIRONMENTAL MANAGEMENT REPORT

PROJECT APPROVAL 10_0191
MINING LEASE 1686
MINING LEASE 1746

For the period
16 May 2017 to 15 May 2018

Name of Mine:	HERA MINE		
Mining Titles/ Leases:	MINING LEASE 1686 MINING LEASE 1746		
Development Consent / Project Approval #	10_0191		
Water Licence #	WAL 28773		
MOP Commencement Date:	Feb 2018	**MOP Completion Date:**	Dec 2022
AEMR / Annual Review Commencement Date:	16 May 2017	**AEMR / Annual Review Completion Date:**	15 May 2018
Name of Mining Lease Holder:	Hera Resources Pty Ltd		
Name of holder of development consent / project approval	Hera Resources Pty Ltd		
Name of holder of water licence	Aurelia Metals Ltd		
Name of Mine Operator:	Hera Resources Pty Ltd		

I, Jonathon Thompson, certify that this audit report is a true and accurate record of the compliance status of Hera Mine for the period 16 May 2017 to 15 May 2018 and that I am authorised to make this statement on behalf of Hera Resources Pty Ltd.

Note.

a) *The Annual Review is an 'environmental audit' for the purposes of section 122B(2) of the Environmental Planning and Assessment Act 1979. Section 122E provides that a person must not include false or misleading information (or provide information for inclusion in) an audit report produced to the Minister in connection with an environmental audit if the person knows that the information is false or misleading in a material respect. The maximum penalty is, in the case of a corporation, $1 million and for an individual, $250,000.*

b) *The Crimes Act 1900 contains other offences relating to false and misleading information: section 192G (Intention to defraud or misleading statement – maximum penalty 5 years imprisonment); sections 307A, 307B and 307C (False or misleading applications/information/documents – maximum penalty 2 years imprisonment or $22,000, or both).*

Reporting Officer:	Jonathon Thompson
Title:	Environment Superintendent
Signature:	
Date:	16 August 2018

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ABBREVIATIONS

AEMR	Annual Environmental Management Report
AMI	Aurelia Metals Limited
dB	Decibels
CCC	Consultative Community Committee
DDG	Dust deposition gauges
DPE	Department of Planning and Environment
DPI Water	Department of Industry, Division of Water
DRG	Department of Planning and Environment, Division of Resource and Geoscience
EA	Environmental Assessment
EPA	Environmental Protection Authority
EPL	Environment Protection Licence
FCNSW	Forestry Corporation New South Wales
ha	Hectare
HVAS	High volume air sampler
IA	Inaudible
IBC	Intermediate Bulk Container
LLS	Local Land Services
m^3	Metre cubed
mbgl	Metres Below Ground Level
ML	Mining Lease
mm/s	Millimetre per second
MOP	Mining Operations Plan
NR	No result
NSW	New South Wales
OEH	Office of Environment and Heritage
Oz	Ounces
PA	Project Approval
PM10	Particulate Matter less than 10µm
RMS	Roads and Maritime Service
SDS	Safety Data Sheet
t	Tonnes
tpa	Tonnes per annum
TSF	Tailings Storage Facility
TSP	Total Suspended particulate
WAD	Weak Acid Dissociable
WAL	Water Access Licence
WLL	Western Lands Lease
WREA	Waster rock encapsulate area
µg	Micrograms
µm	Micrometre

1 Statement of Compliance

Table 2.1.1 is a Statement of compliance of the operation compared to the Project Approval (PA) 10_0191, Mining Lease (ML) 1686 and ML 1746 during the reporting period. **Table 2.1.2** and **Table 2.1.3** present the non-compliances for the reporting period.

Table 2.1.1 Statement of compliance

Were all conditions of the relevant approval(s) complied with?	
PA 10_0191	No
Mining Lease 1686	Yes
Mining Lease 1746	Yes

Table 2.1.2 Non-compliances

Relevant Approval	Condition #	Condition description (summary)	Compliance status	Comment	Where addressed in the Annual Review
PA 10_0191	Schedule 2 – Condition 1	In addition to meeting the specific performance criteria established under this approval, the Proponent shall implement all reasonable and feasible measures to prevent and/or minimise any material harm to the environment that may result from the construction, operation or rehabilitation of the project.	Compliant	The Waste Rock Emplacement Area (WREA) exceeded the indicative height of 10 metres (m) referred to in the Environmental Assessment (EA) at the beginning of the reporting period. This was rectified in November 2017	Section 3.7
PA 10_0191	Schedule 2 – Condition 7	The Proponent shall comply with the operating hours in Table 1. **Activity** / **Operating Hours** Vegetation clearing and topsoil stripping: 7am to 6pm, 7 days per week Construction; Mining, maintenance and processing operations: 24 hours, 7 days per week Rehabilitation: Day / Evening Transportation of lead and zinc concentrate and gold doré from the site: 7am to 10pm, 7 days per week *Note: Conditions 5 and 6 of Schedule 3 include restrictions on blasting times.*	Non-compliant	There have been some instances of concentrate transport trucks departing the Hera Mine before 7am.	Section 4.20.1
PA 10_0191	Schedule 2 – Condition 8	The Proponent shall ensure that all new buildings and structures, and any alterations or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the BCA. *Notes:* *Under Part 4A of the EP&A Act, the Proponent is required to obtain construction and occupation certificates for the proposed building works;* *Part 8 of the EP&A Regulation sets out the requirements for the certification of the project; and* *Under the Dams Safety Act 1978, the Proponent will require a further approval for the project's tailings storage facility.*	Compliant	The Company identified it had a partial Occupation Certificate for Construction Certificate 379/2013. The Occupation Certificate excluded some of the offices and ablutions building. The Company obtained a Building Certificate for the excluded buildings on 1 Mar 2018.	Section 3.10

PA 10_0191	Schedule 3 – Condition 19	The concentration of Weak Acid Dissociable (WAD) cyanide in tailings discharged from the discharge point to the tailings storage facility shall not exceed 10 mg/L.	Non-compliant	Isolated incidents of discharges to the tailings storage facility have exceeded the concentration limits.	Section 4.3
PA 10_0191	Schedule 3 – Condition 20	The concentration of Weak Acid Dissociable (WAD) cyanide at the discharge point to the process water dam shall not exceed 20 mg/L (90th percentile) or 30 mg/L (maximum).	Non-compliant	Isolated incidents of discharges to the process water dam have exceeded the concentration limits.	Section 4.3
PA 10_0191	Schedule 3 – Condition 23	The clean water diversion around the tailings storage facility shall be designed, constructed and maintained to prevent the probable maximum flood from the catchment upstream of the facility from entering the facility.	Compliant	At the beginning of the period the Company had no evidence the clean water diversion drain had been constructed according to EA requirements. However, the Company obtained this information in November 2017.	Section 3.8
PA 10_0191	Schedule 3 – Condition 25	The Proponent shall prepare and implement a Water Management Plan for the project to the satisfaction of the Secretary. This plan must be prepared in consultation with EPA and DPI Water by suitably qualified and experienced persons whose appointment has been approved by the Secretary, and submitted to the Secretary for approval within six months of this approval, or prior to commencement of mining operations under this approval, whichever is sooner; In addition to the standard requirements for management plans (see Condition 3 of Schedule 5), this plan must include: (a) a Site Water Balance that includes details of: sources of water supply; water use on site, including any potable water use; water management on site;	Compliant	At the beginning of the reporting period the current version of the Water Management Plan had not been approved by the Secretary. However, the Water Management Plan has since been reviewed, updated and submitted to the Secretary for approval on 2 Jun 2018.	Section 3.8

		off-site water discharges, including volume, timing and release point infrastructure requirements; and reporting procedures including comparisons of the site water balance for each calendar year; and (b) a Surface Water Management Plan, which includes: baseline data on surface water flows and quality in waterbodies that could be affected by the project; a detailed description of the surface water management system on site, including the: - clean water diversion systems; - erosion and sediment controls; and - water storages, including the tailings storage facility, raw water or process water dams; design objectives and performance criteria, including trigger levels for investigating any potentially adverse impacts, for the following: - the water management system; - water storages including the tailings storage facility, raw water or process water dams; and - surface water quality in waterbodies that could be affected by the project; performance criteria for surface water quality attributes relevant to water quality impacts on biological diversity and aquatic ecological integrity, including cyanide, salinity, heavy metals, sediment load, pH, hardness and biological oxygen demand; a program to monitor: - the effectiveness of the water management system; - surface water flows, quality, and impacts on water users;			

		- potential acid rock drainage; - potential leakage or spillage from tailings, mineral concentrate or effluent pipelines; - post-closure water quality; - impacts on wildlife from exposure to cyanide or other toxic chemicals; and a plan to respond to any exceedences of the performance criteria, and mitigate and/or offset any adverse surface water impacts of the project, including but not limited to management measures to reduce wildlife exposure to cyanide or other toxic chemicals; reporting procedures for the results of the monitoring program; and (c) a Groundwater Management Plan, which includes: baseline data of all groundwater levels, yield and quality in the region, and any privately-owned groundwater bores that could be affected by the project; detailed documentation of the operation of the seepage collection and storage system associated with the tailings storage facility and associated maintenance requirements; groundwater assessment criteria, including trigger levels for investigating any potentially adverse groundwater impacts, including but not limited to leakage from the tailings storage facility; a program to monitor: - impacts on the groundwater supply of potentially affected landowners; - impacts on the volume of groundwater inflow			

		into the underground workings; - regional groundwater levels and quality in all potentially affected aquifers; - potential acid rock drainage; - the effectiveness of the seepage collection and storage system and associated infrastructure in collecting and containing all seepage from the tailings storage facility and all other water storages that receive chemical or salt-laden water; - the quality of groundwater to be re-used on the site; - any post-rehabilitation seepage from the tailings storage facility; and a plan to respond to any exceedences of the performance criteria, and mitigate and/or offset any adverse groundwater impacts of the project, including but not limited to: - procedures to minimise the potential for soil salinity, sodicity and other contaminant issues associated with the reuse of groundwater on site; and - measures to manage and mitigate any leakage from the tailings storage facility, including but not limited to that detected beyond the seepage collection and storage system. *Note: The effectiveness of the Water Management Plan is to be reviewed and audited in accordance with the requirements in Schedule 5. Following this review and audit the plan is to be revised to ensure it remains up to date (see Condition 5 of Schedule 5).*			
PA 10_0191	Schedule 3 – Condition 26	By 31 July 2017, the Proponent shall prepare a Biodiversity Offset Strategy for the project to the satisfaction of the Secretary. The Strategy must: (a) be prepared in consultation with OEH;	Non-compliant	The Biodiversity Offset Strategy has not been approved by the Secretary.	Section 4.6

		(b) identify the portion of the Chelsea site (WLL 3881) that would be conserved in perpetuity to offset the impacts of the project using the Biobanking Assessment Methodology; and (c) describe the specific management measures that would be implemented on the Chelsea site to conserve and improve the biodiversity values of the site over time.			
PA 10_0191	Schedule 3 – Condition 29	Within 6 months of approval and prior to the commencement of vegetation clearing on the site under this approval, the Proponent shall submit a Biodiversity Management Plan for the project site to the Secretary for approval. This plan must: (a) be prepared by a suitably qualified and experienced person(s) whose appointment has been endorsed by the Secretary; (b) be prepared in consultation with OEH; (c) describe how the implementation of the biodiversity offset strategy would be integrated with the overall rehabilitation of the site; (d) describe the short, medium, and long term measures that would be implemented to: (i) manage the remnant vegetation and habitat on the site and in the offset area/s (if and when applicable); (ii) minimise the impacts on Cobar Greenhood Orchid (*Cryptostylis cobarensis*), Lobed Blue-grass (*Bothriochloa biloba*) and hollow-bearing trees; and (iii) implement the biodiversity offset strategy (if and when applicable), including detailed performance and completion criteria; (e) include detailed performance and completion	Non-compliant	The Biodiversity Management Plan has not been approved by the Secretary.	Section 4.6

		criteria for evaluating the performance of the biodiversity offset strategy, and triggering remedial action (if necessary); (f) include a detailed description of the procedures to be implemented for: (i) enhancing the quality of existing vegetation and fauna habitat; (ii) restoring native vegetation and fauna habitat on the biodiversity areas and rehabilitation area through focusing on assisted natural regeneration, targeted vegetation establishment and the introduction of naturally scarce fauna habitat features (where necessary); (iii) maximising the salvage of resources within the approved disturbance area - including vegetative, soil and cultural heritage resources – for beneficial reuse in the enhancement of the biodiversity areas or rehabilitation area; (iv) collecting and propagating seed; (v) minimising the impacts on fauna on site, including pre-clearance surveys and minimising the potential exposure to tailings; (vi) controlling weeds and feral pests; (vii) controlling erosion; (viii) managing grazing and agriculture on site; (ix) controlling access; and (x) bushfire management; (g) include a seasonally-based program to monitor and report on the effectiveness of these measures, and progress against the detailed performance and completion criteria; (h) identify the potential risks to the successful			

		implementation of the biodiversity offset strategy, and include a description of the contingency measures that would be implemented to mitigate against these risks; and (i) include details of who would be responsible for monitoring, reviewing and implementing the plan.			
PA 10_0191	Schedule 3 – Condition 35C	Every two months during the transport of concentrate to the Hermidale rail siding via Nymagee-Hermidale Road, the Proponent shall: (a) inspect the condition of the unsealed section of the transport route in consultation with BSC; and (b) grade the unsealed section of Nymagee-Hermidale Road where required and as identified in the inspection carried out in accordance with condition 35C(a), to the satisfaction of BSC. *Note to conditions 35A-35C: In the event that there is a dispute between the Applicant and BSC or CSC about the implementation of these conditions, then either party may refer the matter to the Secretary for resolution.*	Compliant	At the beginning of the reporting period the unsealed section of the Nymagee-Hermidale road was not being inspected on a two-monthly basis. These inspections have been occurring from Nov 2017.	Section 4.20.1
PA 10_0191	Schedule 3 – Condition 37A	The Proponent shall restrict the transport of concentrate to the Hermidale rail siding via the Nymagee-Hermidale Road during daylight hours and limit vehicle movements (entering and leaving the site) to 4 per day, averaged over a calendar month, unless otherwise agreed by the Secretary.	Non-compliant	Transport of concentrate from the mine to the Hermidale rail siding were outside of daylight hours on one occasion.	Section 4.20.1
PA 10_0191	Schedule 3 – Condition 42	The Proponent shall: (a) minimise the waste generated by the project; (b) ensure that the waste generated by the project is appropriately stored, handled and disposed of; and (c) manage on-site sewage treatment disposal in accordance with the requirements of CSC,	Compliant	At the beginning of the reporting period, deficiencies in the management of the sewerage treatment plants onsite have been identified. These issues have since been rectified.	Section 4.3

		to the satisfaction of the Secretary.			
PA 10_0191	Schedule 3 – Condition 43	The Proponent shall prepare and implement a Waste Rock Management Plan to the satisfaction of the Secretary. The plan must: (a) be developed in consultation with the EPA and DPI Water; (b) submitted for the approval of the Secretary within six months of this approval; (c) include a detailed description of the procedures to be implemented to monitor and manage potential acid forming material; (d) reflect the groundwater and surface water monitoring programs to monitor potentially acid-forming waste rock and any leachate generated, including appropriately designed detection and response systems for acid generation (covering monitoring methods, trigger levels and proposed management actions); (e) ensure effective isolation of potential acid forming material in rock dumps; (f) include procedures for appropriate testing of potentially acid forming waste rock prior to it being bought to the surface; (g) include procedures for prioritising the relocation of potential acid forming material to a suitable underground locations prior to oxidation; (h) include procedures to ensure that material relocated underground does not, to the extent reasonable and feasible, further oxidise or cause impact to groundwater; (i) notwithstanding (e) above, trigger levels for any material that has oxidised to the extent that it	Non-compliant	During a recent independent audit deficiencies in the Waste Rock Management Plan have been identified.	Section 3.7

		cannot be placed underground without impacting groundwater quality and procedures for adequate capping and sealing of such material at the surface; (j) detail proposed neutralising options to be implemented for oxidising material stored or encapsulated aboveground; and (k) where there is likely to be an extended time between placement of potential acid forming material underground, details of proposed methods to prevent oxidation of the material underground or to otherwise manage acid drainage to prevent impacts on groundwater.			
PA 10_0191	Shcedule 3 – Condition 44	The Proponent shall rehabilitate the site to the satisfaction of the Executive Director Mineral Resources. This rehabilitation must be generally consistent with the proposed rehabilitation strategy described in the EA (as reproduced in Appendix 4), and comply with the objectives in Table 7:	Compliant	At the beginning of the reporting period deficiencies in the Rehabilitation Management Plan were identified. On 29 Jan 2018 the Company obtained approval from DRG to utilise the MOP in satisfaction of this condition.	Section 4.6

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Table 7: Rehabilitation Objectives
<table>
<tr><th>Feature</th><th>Objective</th></tr>
<tr><td>Mine site (as a whole)</td><td>• Safe, stable and non-polluting
• Final land use compatible with surrounding land uses.
• Final landforms designed to incorporate micro-relief, natural drainage lines and minimize visual prominence by integration with the surrounding landscape.
• Restore self-sustaining ecosystems, including establishing local native plant species.
• Minimise visual impact of final landforms as far as is reasonable and feasible.</td></tr>
<tr><td>Surface infrastructure</td><td>To be decommissioned and removed, unless the Executive Director Mineral Resources agrees otherwise</td></tr>
<tr><td>Other land</td><td>Establish the 'Chelsea' site (refer to Appendix 3) as a biodiversity offset.</td></tr>
<tr><td>Community</td><td>Minimise the adverse socio-economic effects associated with mine closure</td></tr>
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<tr>
<td>PA 10_0191</td>
<td>Schedule 5 – Condition 1</td>
<td>The Proponent shall prepare and implement an Environmental Management Strategy for the project to the satisfaction of the Secretary. This strategy must:
(a) be submitted for approval to the Secretary within six months of this approval;
(b) provide the strategic framework for the environmental management of the project;
(c) identify the statutory approvals that apply to the project;
(d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project;
(e) describe the procedures that would be</td>
<td>Compliant</td>
<td>At the commencement of the reporting period, deficiencies in the Environmental Management Strategy were identified.

The Environmental Management Strategy was updated and approved by the Secretary on 28 Nov 2017.</td>
<td>n/a</td>
</tr>
</table>

		implemented to: (i) keep the local community and relevant agencies informed about the operation and environmental performance of the project; (ii) receive, handle, respond to, and record complaints; (iii) resolve any disputes that may arise during the course of the project; (iv) respond to any non-compliance; (v) respond to emergencies; and (f) include: (i) copies of any strategies, plans and programs approved under the conditions of this approval; and (ii) a clear plan depicting all the monitoring required to be carried out under the conditions of this approval.			
PA 10_0191	Schedule 5 – Condition 3	The Proponent shall ensure that the management plans required under this approval are prepared in accordance with any relevant guidelines, and include: (a) detailed baseline data; (b) a description of: (i) the relevant statutory requirements (including any relevant approval, licence or lease conditions); (ii) any relevant limits or performance measures/criteria; (iii) the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the project or any management measures; (c) a description of the measures that would be implemented to comply with the relevant statutory	Non-compliant	At the commencement of the reporting period deficiencies in the Noise Management Plan were identified. The Noise Management Plan was reviewed and submitted to the Secretary for comment on 27 Nov 2017.	Section 4.10

		requirements, limits, or performance measures/criteria; (d) a program to monitor and report on the: (i) impacts and environmental performance of the project; (ii) effectiveness of any management measures (see c above); (e) a contingency plan to manage any unpredicted impacts and their consequences and to ensure that ongoing impacts reduce to levels below relevant impact assessment criteria as quickly as possible; (f) a protocol for managing and reporting any: (i) incidents; (ii) complaints; (iii) non-compliances with statutory requirements; and (iv) exceedences of the impact assessment criteria and/or performance criteria; and (g) a protocol for periodic review of the plan. *Note: The Secretary may waive some of these requirements if they are unnecessary for particular management plans.*			
PA 10_0191	Schedule 5 – Condition 7	The Proponent shall notify the Secretary and any other relevant agencies of any incident associated with the project as soon as practicable after the Proponent becomes aware of the incident. Within seven days of the date of the incident, the Proponent shall provide the Secretary and any relevant agencies with a detailed report on the incident.	Non-compliant	A written report associated with reportable incidents that occurred during this reporting period has not been reported to the Secretary within seven days.	Section 8

Table 2.1.3 Compliance status key for Table 2.1.2.

Risk Level	Colour Code	Description
High	Non-compliant	Non-compliance with potential for significant environmental consequences, regardless of the likelihood of occurrence.
Medium	Non-compliant	Non-compliance with: • Potential for serious environmental consequences, but is unlikely to occur; or • Potential for moderate environmental consequences, but is likely to occur
Low	Non-compliant	Non-compliance with: • Potential for moderate environmental consequences, but is unlikely to occur; or • Potential for low environmental consequences, but is likely to occur
Administrative non-compliance	Non-compliant	Only to be applied where the non-compliance does not result in any risk of environmental harm (e.g. submitting a report to government later than required under approval conditions)
Compliant	Compliant	Identified as a non-compliance during an independent audit in September 2017 that has been rectified during this reporting period.

2 Introduction

2.1 Summary

The Hera Mine (the Mine) is owned and operated by Hera Resources Pty Ltd (the Company), a wholly owned subsidiary company of publicly listed Aurelia Metals Ltd (AMI). The Company plans to mine up to 505,000 tonnes per annum (tpa) of metalliferous ore. The mine is in far west New South Wales (NSW), approximately 4km south of the Nymagee Township and 100km south east of Cobar (**Figure 2.1.1**).

Figure 2.1.2 and **Figure 2.1.3** show the Mine as constructed and the Mine as approved. The areas in yellow in **Figure 2.1.3** have been approved but the Company has no plans to develop these areas at this time.

The Company received Project Approval (PA) 10_0191 on 31 July 2012. Since this time, four modifications have been approved, the last in September 2017 (MOD4). ML 1686 and ML 1746 were issued under the Mining Act 1992 on 16 May 2013 and 7 December 2017 respectively.

This Annual Review / Annual Environmental Management Report (AEMR) has been prepared in accordance with the requirement for an environmental management report under Condition 4 of ML 1686, Condition 3 of ML 1746 and for an Annual Review under Schedule 5 Condition 4 of PA 10_0191. This AEMR addresses the period 16 May 2017 to 15 May 2018 (the reporting period).

The AEMR has generally been prepared in accordance with the Environmental Management Guidelines for Industry – The Annual Environmental Management Report (Version 3, 2006) issued by Department of Planning and Environment, Division of Resources and Geoscience (DRG) and the Post-approval requirements for State significant mining developments – Annual Review Guideline (2015) issued by the Department of Planning and Environment (DPE).

Copies of this report are distributed to DRG, DPE, Department of Industry, Division of Water (DPI Water) Environmental Protection Authority (EPA), Office of Environment and Heritage (OEH), Central West Local Land Services (LLS), Trade and Investment – Crown Lands, Cobar Shire Council, Bogan Shire Council and local mining companies.

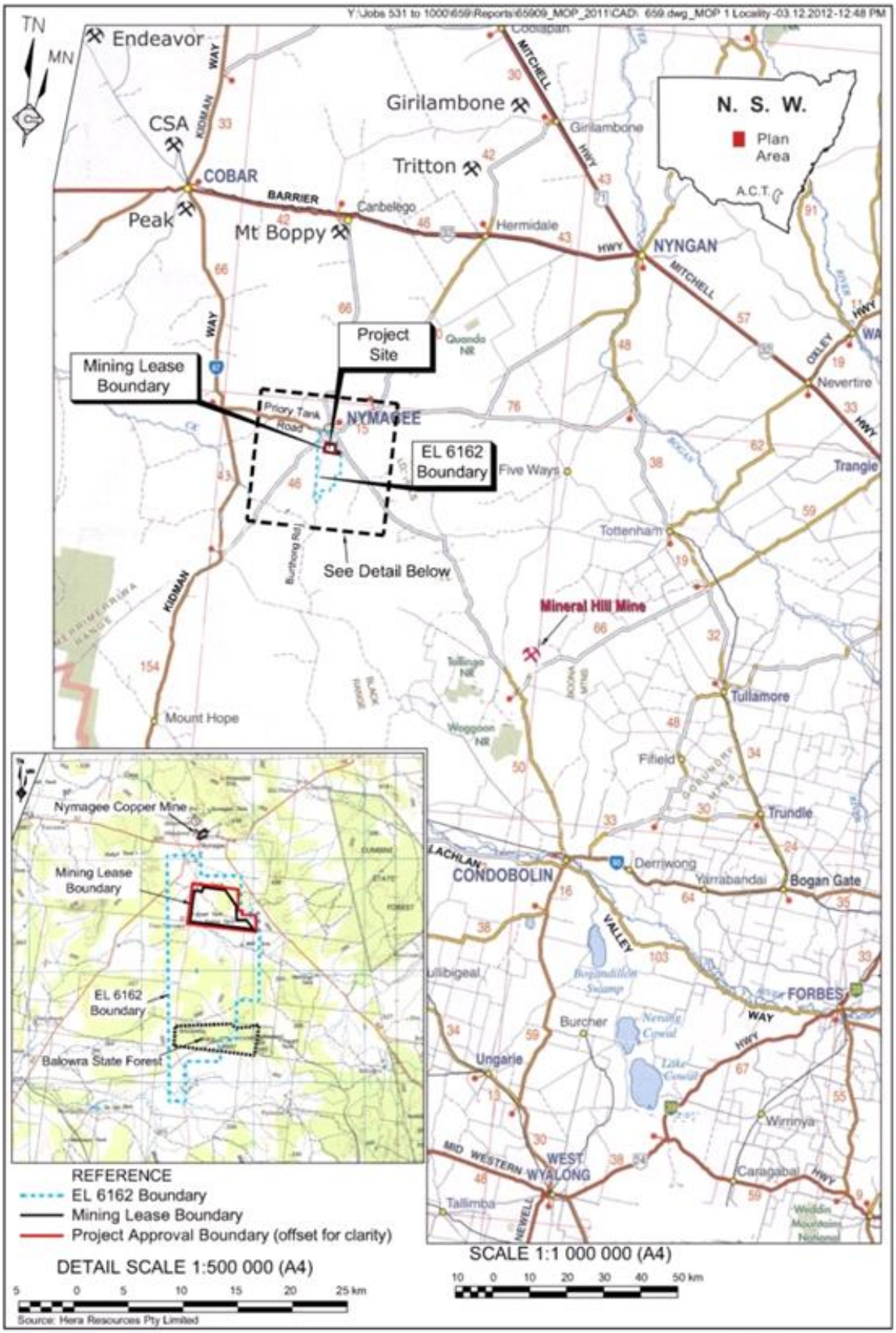

Figure 2.1.1 Site locality plan.

Figure 2.1.2 Site map showing ML1686 and ML1746 boundaries.

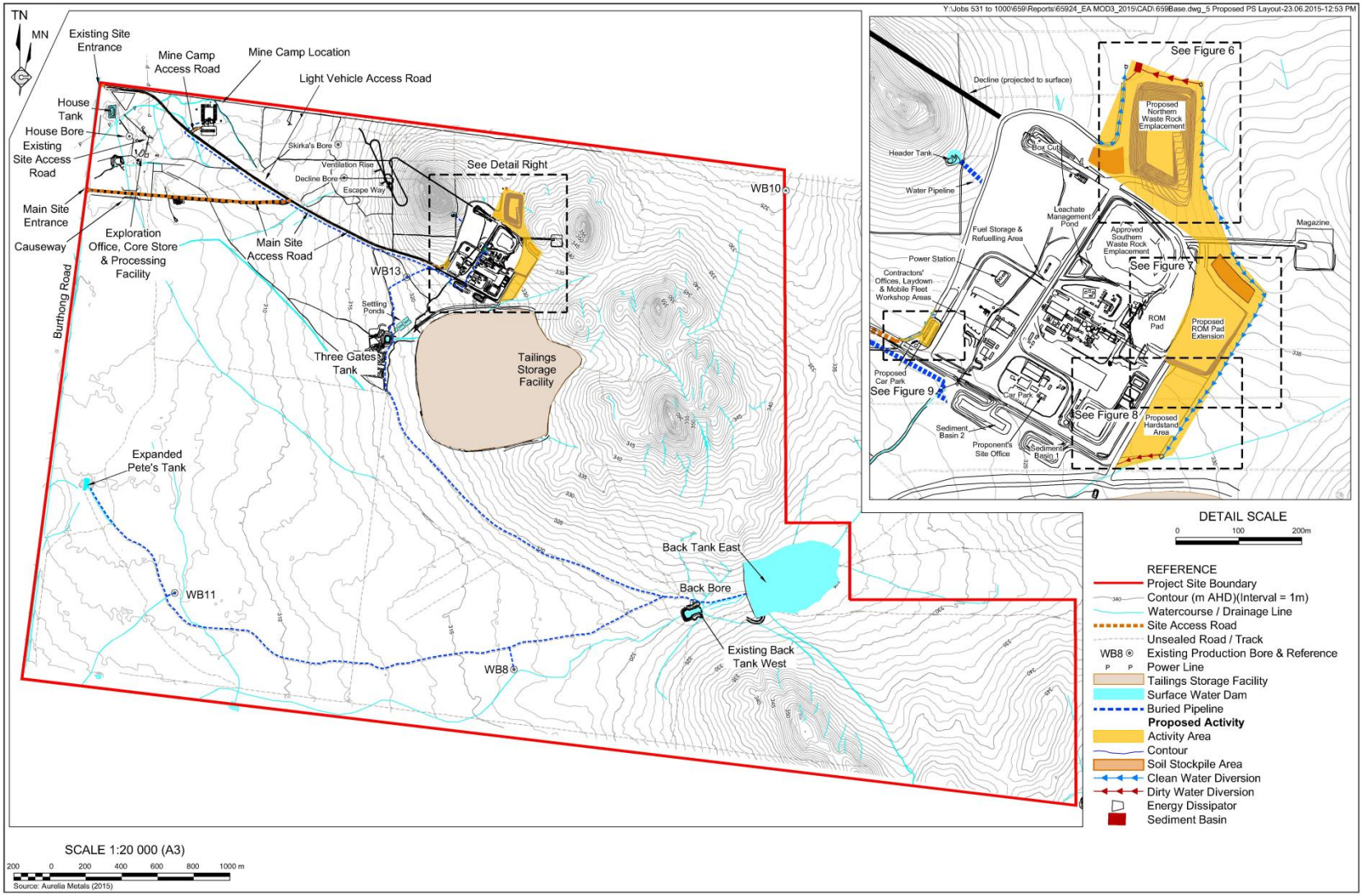

Figure 2.1.3 Site plan showing the approved layout (PA 10_0191) of the Mine.

2.2 Consents, Lease and Licenses

Table 2.2.1 lists the relevant consents, leases and licenses associated with the Hera Mine.

Table 2.2.1 Consent, Lease and Licences

Consent/Lease/Licence	Licence Number	Date Granted & Duration	Relevant Authority
Building Certificate	**2017/2018:001**	Granted: **1 Mar 2018**	Cobar Shire Council
Construction Certificate	**379/2013**	Granted: **2 October 2013**	pro cert
Construction Certificate	**17.2/2014**	Granted: **20 Mar 2014**	pro cert
Construction Certificate	**17.3/2014**	Granted: **4 Apr 2014**	pro cert
Occupation Certificate	**379.1/2013**	Granted: **3 Mar 2014**	pro cert
Occupation Certificate	**17/2014**	Granted: **6 Jul 2018**	pro cert
Dangerous Goods Notification	**NDG038197**	Granted: **22 November 2011** Expires: **N/A**	SafeWork New South Wales
Development / Building Approvals	**2012/LD-00004**	Granted: **16 April 2012** Expires: **N/A**	Cobar Shire Council
Environment Protection Licence	**20189**	Granted: **18 March 2013**	NSW Environment Protection Authority
Explosives Licence	**XSTR200011**	Granted: **2012** Expires: **6 June 2022**	SafeWork NSW
Mining Lease	**ML1686**	Granted: **16 May 2013** Expires**: 16 May 2034**	Department of Planning and Environment, Division of Resources and Energy
Mining Lease	**ML1746**	Granted: **7 December 2017** Expires**: 7 December 2037**	Department of Planning and Environment, Division of Resources and Energy
Mining Operations Plan	**N/A**	Granted: **Feb 2018** Expires: **Dec 2022**	Department of Planning and Environment, Division of Resources and Energy
Water Access Licence (WAL)	**WAL28773**		Department of Primary Industry – Water
Western Land Lease	**WLL2455**	Granted**: April 1911** Perpetual Lease	Department of Lands.

2.3 Mine Contacts

Table 2.3.1 lists the site contacts for the Hera Mine.

Table 2.3.1Hera Mine Contacts

Name	Role	Phone number	Email Address
Scott Ramsay	General Manager	0427 971 462	Scott.ramsay@aureliametals.com.au
Jonathon Thompson	Environment Superintendent	0488 065 144	Jonathon.Thompson@aureliametals.com.au

2.4 Action Required at Previous AEMR Review

The 2017-2018 AEMR was supplied to DRE, DPE, DPI Water, EPA, OEH, Central West LLS, Trade and Investment – Crown Lands and Cobar Shire Council. Feedback was received from DPE dated 26 Sep 2017 and DRG on 14 Dec 2017. DRG accepted the AEMR and DPE requested the following:

- A schedule indicating when the WREA will be reduced to comply with the 10m height as per the EA; and
- Review the website and ensure all relevant documents are available as per Schedule 5, Condition 11 of PA10_0191.

The actions identified by DPE in their feedback and how these actions have been addressed are outlined in **Table 2.4.1**.

Figure 2.4.1 Actions required from the 2017-2018 AEMR Review

Action Required from Previous AEMR	Requested by	Action Taken by Operator	Where discussed in AEMR
The Department requests a schedule is to be provided to indicate when the WREA will be reduced to comply with the 10m presented in the EA.	DPE	A schedule was provided to DPE via email on 16 Oct 2017.	n/a
The Company is advised to ensure the website is up to date and contains all relevant documents and information as required under Schedule 5, Condition 11.	DPE	The documents on the website are reviewed regularly and updated as required.	n/a

3 Operations During The Reporting Period

3.1 Exploration

Refer to **Table 3.1.1** for details on exploration for the reporting period.

Table 3.1.1 Exploration activities for the 2017-2018 reporting period.

Activities for the period	• Infill drilling underground to further define the resource; and • No surface exploration activities were completed.
Variations to the Mining Operations Plan (MOP)	No variations to the MOP.
Reason for the variation	n/a

3.2 Land Preparation

Refer to **Table 3.2.1** for details on land preparation for the reporting period.

Table 3.2.1 Land preparation activities for the 2017-2018 reporting period.

Activities for the period	No land preparation activities were undertaken in this reporting period.
Variations to the MOP	No variations to the MOP.
Reason for the variation	n/a

3.3 Construction

Construction projects were carried out throughout the reporting period in accordance with the MOP and PA requirements. Refer to **Table 3.3.1** for details on construction for the reporting period.

Table 3.3.1 Construction activities for the 2017-2018 reporting period.

Activities for the period	No construction activities were undertaken in this reporting period.
Variations to the MOP	No variations to the MOP.
Reason for the variation	n/a

3.4 Mining

Mining for the period was undertaken using conventional bench stoping mining techniques. **Figure 3.4.1** presents a schematic overview of the mining method. Stope voids are backfilled with waste rock material from concurrent underground development and if required, additional waste rock material is transported from the WREA on the surface. **Figure 3.4.2** presents the underground development for the 2018 financial year and planned development for the 2018 financial year.

Mining activities conducted for the period were according to commitments made in the MOP. A summary of the material mined can be found in **Table 3.5.1**.

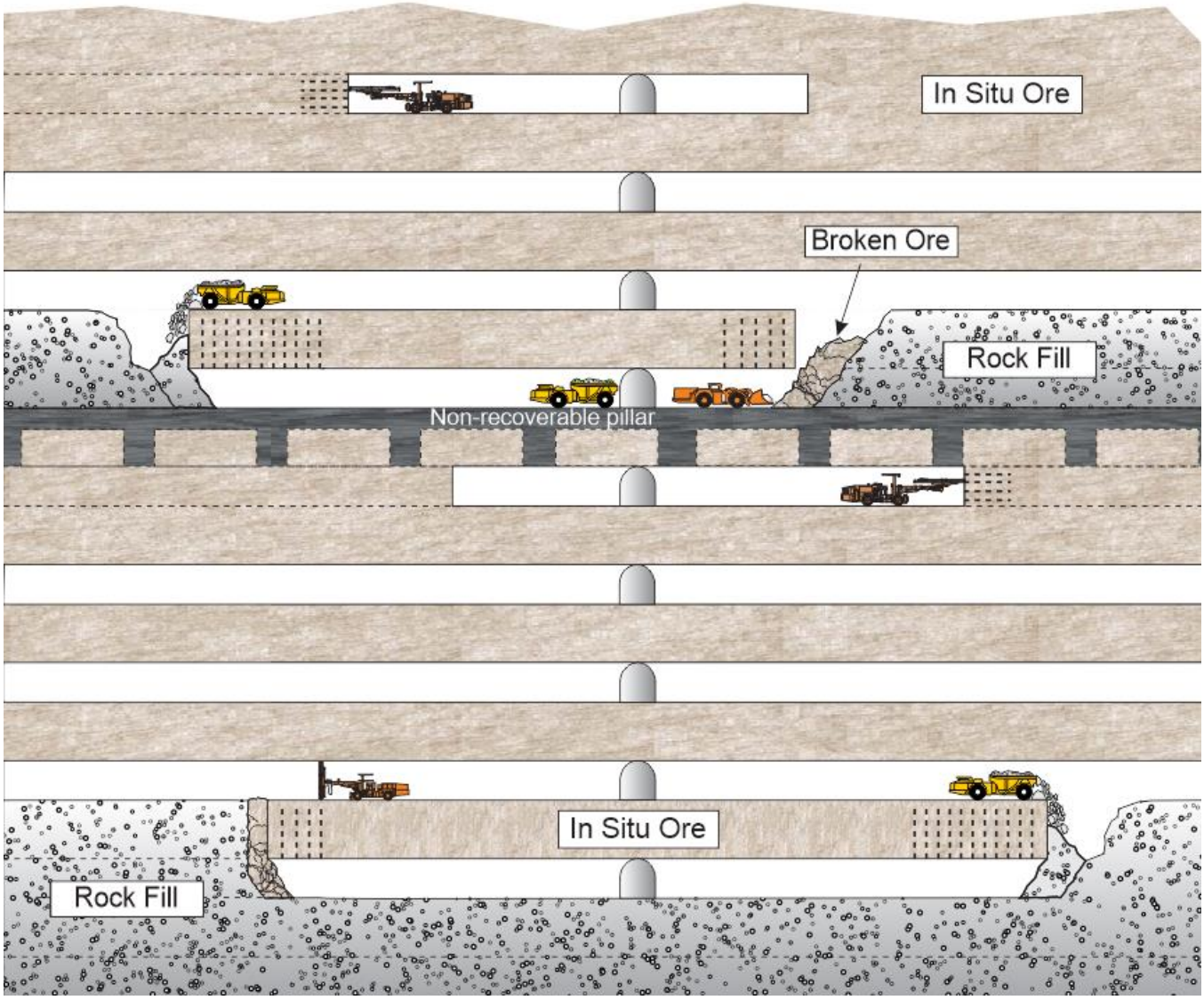

Figure 3.4.1 Schematic of bench stoping mining method

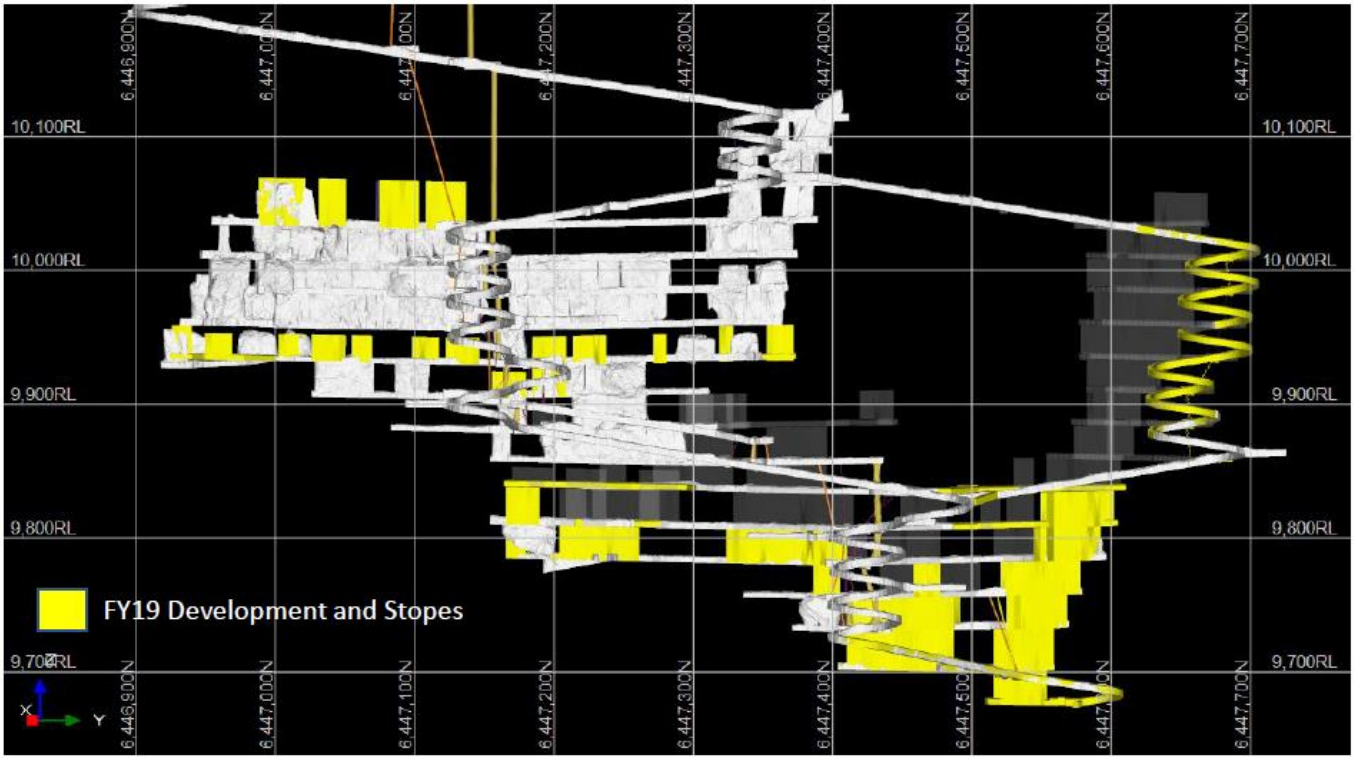

Figure 3.4.2 Underground Mining planned for 2019 financial year.

3.5 Mineral Processing

Details relating to mineral processing for the reporting period are summarised in **Table 3.5.1**. Mineral processing activities and variations to the MOP are presented in **Table 3.5.2**.

Table 3.5.1 Mineral Processing details for the reporting period.

Material	Approved Limit (PA 10_0191)	Previous Reporting Period (Actual)	This Reporting Period (Actual)	Next Reporting Period (Forecast)
Waste Rock	n/a	121,150 t	298,616 t (2018 financial year)	254,759 t (2019 financial year)
ROM Ore	505,000 tonnes (t)	373,795 t	406,234 t (2018 financial year)	468,353 t (2019 financial year)
Tails (Solids)	n/a	335,778 t	366,375 t (2018 financial year)	426,969 t (2019 financial year)
Gold	n/a	45,679 oz	59,822 oz (2018 financial year)	54,246 oz (2019 financial year)
Lead / Zinc Bulk Concentrate	n/a (no production limit but can only transport up to 50,000 t)	32,308 t	40,756 t (2018 financial year)	44,787 t (2019 financial year)

Table 3.5.2 Mineral Processing activities for the 2017-2018 reporting period.

Activities for the period	During this reporting period it was anticipated that no waste rock would be bought to the surface. However, due to insufficient space in stope voids waste rock has been bought to the surface. However, the WREA has remained under the 10m height limit (as per EA) since Nov 2017.
Variations to the MOP	No variations to the MOP or PA 10_0191.
Reason for the variation	n/a

3.6 Waste Management

Waste management for the period was according to the commitments made in the MOP. Details pertaining to waste management are summarised in **Table 3.6.1.** Waste management activities in the reporting period are summarised in **Table 3.6.2.**

Table 3.6.1 Waste Management during the reporting period

Waste Material	Licenced Contractor	Quantity
Office waste: • Batteries and; • print cartridges	n/a	Batteries are recycled and print cartridges are delivered to Planet Ark disposal box in Dubbo.
Raw sewerage	n/a	Treated by onsite sewerage treatment plants
General waste	Disposed of in Cobar by JR Richards, Dubbo	1,301.5 m^3
Paper/Cardboard	Recycled by JR Richards, Dubbo	291 m^3
Waste oil	Recycled by Sam's Liquid Waste & Hire, Dubbo	52,060 L
Oily rags/filters/hose	Recycled by Sam's Liquid Waste & Hire, Dubbo	7.88 t
Hazardous waste	Disposed of by JR Richards at licensed hazardous waste storage facility	73 m^3
Waste grease (Hera Village)	Recycled by Sam's Liquid Waste & Hire, Dubbo	12,000 L
Intermediate Bulk Container (IBC) - Empty	n/a	These are re-used onsite predominately for storage of hazardous waste.
Scrap Steel	Recycled by Access Recycling	46 t

Table 3.6.2 Waste management activities for the 2017-2018 reporting period.

Activities for the period	Materials are recycled where possible. All materials removed from site are done so by licensed contractors.
Variations to the MOP	No variations to the MOP.
Reason for the variation	n/a

3.7 Ore and Product Stockpiles

Details pertaining to ore and product stockpiles are summarised in **Table 3.7.1.** Stockpile activities in the 2017-2018 period are summarised in **Table 3.7.2.** Ore is not stockpiled and is processed without delay and has therefore been excluded. Waste rock presented here relates to waste rock stockpiled in the WREA.

Table 3.7.1 Stockpile details for the reporting period.

Material	Approved Limit (PA 10_0191)	Stockpiles last reporting period (Actual)	Stockpiles this Reporting Period (Actual)	Next Reporting Period (Forecast)
Waste Rock stockpiled in WREA	n/a	114,921 m^3 (surveyed 4 Jul 17)	98,462 m^3 (surveyed 30 Jun 18)	55,000 m^3 (assuming no current waste in underground stockpiles)
Topsoil Stockpiled	n/a	178,730 m^3	178,730 m^3	178,730 m^3
Topsoil Used	n/a	0	0	0

Table 3.7.2 Ore and product stockpile activities for the reporting period.

Activities for the period	• The current height of the WREA is estimated to be 10m above natural ground level and the plan is to return more waste rock underground in the next reporting period; • During a recent independent audit, it was identified that there were deficiencies in the *Waste Rock Management Plan*. The Company made a commitment to the DPE to have this reviewed and submitted by 31 Dec 2018; • No topsoil stripping occurred in this financial year or is forecast in the next reporting period.
Variations to the MOP	No variations to the MOP.
Reason for the variation	n/a

3.8 Water Management

Water management for the period was according to the commitments made in the MOP. Further information regarding water management can be found in the *Hera Mine Water Management Plan.* Water management details for the reporting period are summarised in **Table 3.8.1** and water management activities are summarised in **Table 3.8.2.**

Table 3.8.1 Water Management details for the reporting period.

		Volumes held (metre cubed (m^3))			
		Start of Reporting Period 16 May 2017	At End of Reporting Period 15 May 2018	Storage Capacity (m^3)	Preferred Operating Capacity
Clean Water	Back Tank	1,000	100	3,000	<10%
	Three Gates Tank	300	60	600	<10%
	Pete's Dam	0	60	600	<10%
Total		**1,300**		**4,200**	
Dirty Water	Expanded Sediment Basin	0	0	8,500	<10%
	TSF Seepage Collection Pond	0	0	1,800	<10%
Total		**0**		**10,300**	
	TSF	200	98,000	134,000	<10%
Contaminated water	Process Water Dam	4,250	4,250	5,300	~90%
	Settling Ponds	800	800	900	~90%
	PAF Leachate Dam	100	100	750	<10%
Total		**5,350**		**140,950**	

Table 3.8.2 Water management activities for the reporting period.

Activities for the period	• During the reporting period the Company provided evidence to the DPE, DRG and EPA on the 21 Dec 2017 that the tailings storage facility (TSF) diversion drain was constructed according to the EA; and • As per the Action Plan submitted to DPE on The Water Management Plan was reviewed, updated and submitted to DPE for approval on 2 Jun 2018. No comment has been received to date.
Variations to the MOP	No variations to the MOP.
Reason for the variation	n/a

3.9 Hazardous Material Management

Hazardous materials are managed according to the *Hazardous Materials Management Plan*. Details of the Company's hazardous material management during the period is summarised in **Table 3.9.1.**

Table 3.9.1 Hazardous materials activities for the reporting period.

Activities for the period	• Regular area specific environment inspections to ensure all hazardous materials are stored in accordance with relevant legislation and regulations; • Purchase of bunds suitable for storage of IBCs and drums; • Explosives stored in fit-for-purpose magazine; • Updating of the chemical register as required; • Updating of Safety Data Sheets (SDS) as required; • Training of staff and contractors during inductions or as required and; • Licence to store hazardous and explosive materials was current for the

	period.
Variations to the MOP	No variations to the MOP.
Reason for the variation	n/a

3.10 Other Infrastructure

Details of other infrastructure management activities for the reporting period are summarised in **Table 3.10.1.**

Table 3.10.1 Other infrastructure management activities for the 2017-2018 reporting period.

Activities for the period	• During the reporting period it was identified that the Company did not have an Occupation Certificate for Construction Certificate 379/2013. On 1 Mar 2018 a Building Certificate 2017/2018:001 was obtained. This was provided to the DPE, DRG and EPA on 15 Mar 2018 (**Appendix 10.1**); and • Management of other infrastructure not mentioned elsewhere in this AEMR is conducted as required.
Variations to the MOP	No variations to the MOP.
Reason for the variation	n/a

4 Environmental Management and Performance

4.1 Air Pollution

Meteorological data has been summarised in **Figure 4.1.1**. Meteorological data must be considered as factors such as wind speed, rainfall and temperature can adversely impact environmental performance.

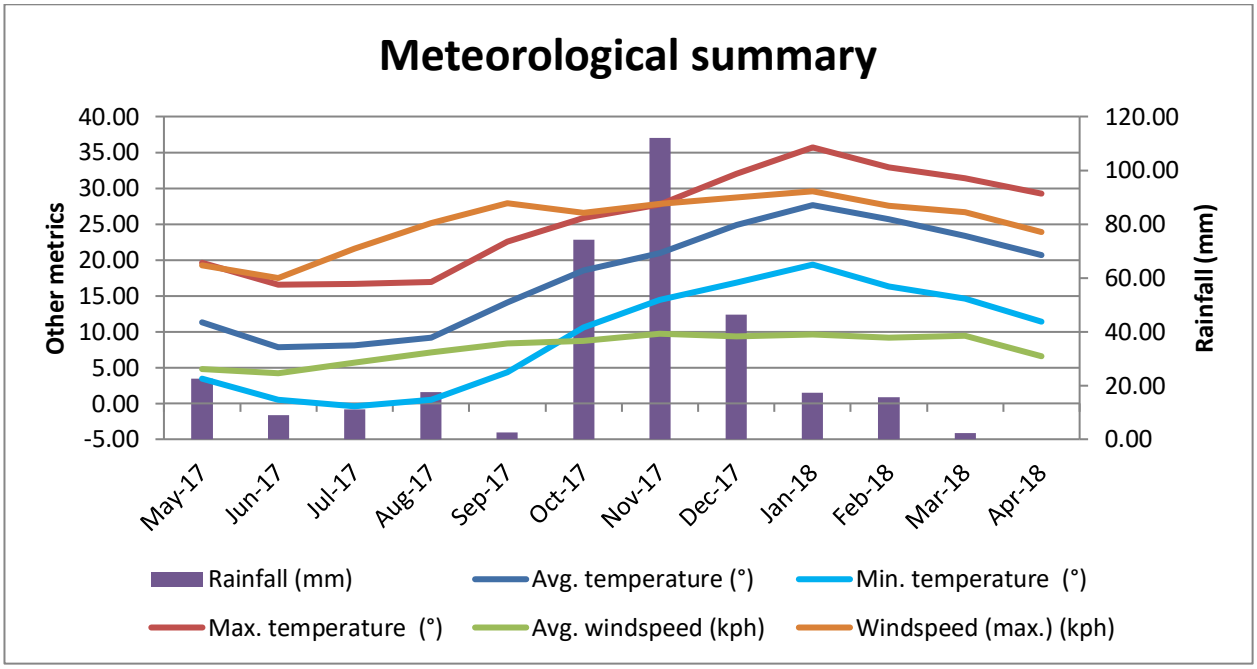

Figure 4.1.1 Summary of the meteorological conditions for the reporting period.

Management of Air Pollution is in accordance with the *Air Quality and Greenhouse Gas Management Plan* and the MOP. Details pertaining to air pollution control activities for the reporting period are summarised in **Table 4.1.2**. **Figure 4.1.2** is a map showing the location of the high volume air samplers (HVAS) and dust deposition gauges (DDG). DDG sample continuously and are reset on a 30 ± 2 days cycle. **Figure 4.1.3** presents the location of the Mine, MLs and surrounding residences.

Table 4.1.1 Air pollution control activities for the reporting period.

Control strategies for the reporting period	• Water trucks are operated on an average of twice per day (or as required) on unsealed roads and laydown areas to assist with dust control; • Molasses has successfully been applied to most surface roads as a dust suppressant. Results have been extremely positive and this will continue into the future; • Vehicles are washed upon returning to the surface from the decline or before leaving site and; • Loaded vehicles are covered before leaving site.
Variations to the control strategies	No variations from the control strategies.
Reason for the variation	n/a
Notification supplied to relevant agency of any variations?	n/a

Figure 4.1.2 Location of monitoring points for DDG, HVAS and Groundwater.

Figure 4.1.3 Hera Mine Mining Leases and surrounding Residences.

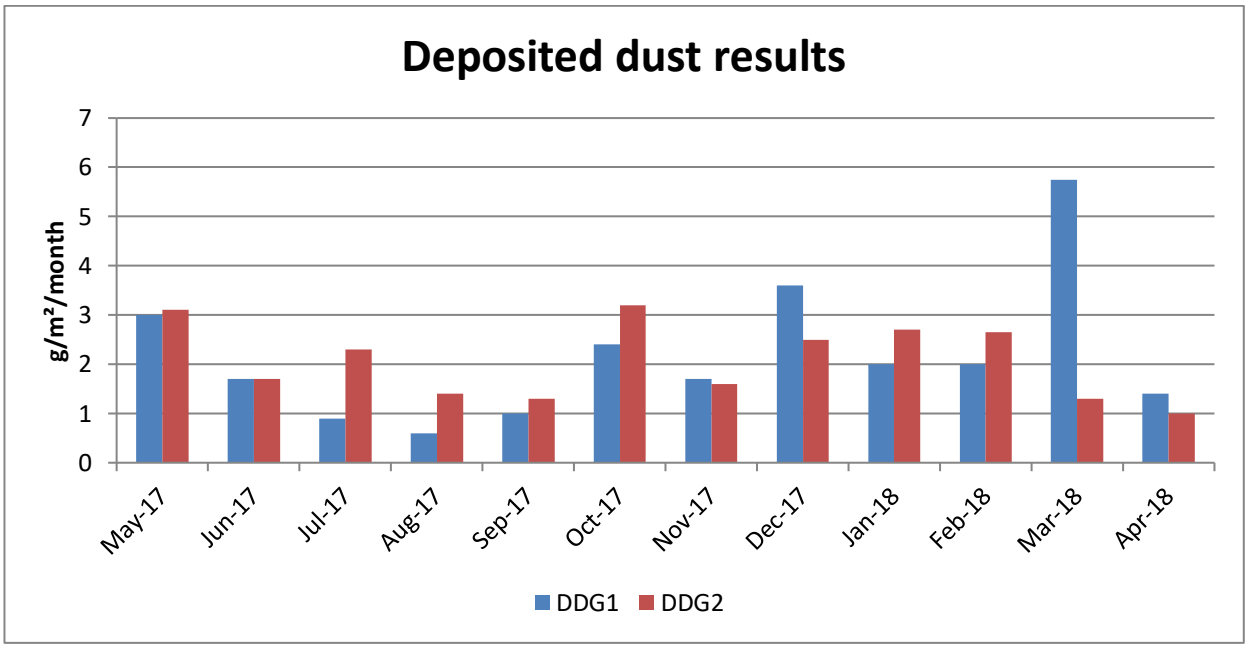

Figure 4.1.4 Dust deposition gauge results for the reporting period.

Figure 4.1.4 is a summary of the DDG results for the reporting period. **Figure 4.1.5** is the annual average deposited dust results for the life of the project. An annual limit of 4 g/m²/month (PA 10_0191 Schedule 3, Condition 12) applies to DDG results. The EA prediction for the Mine has been included in this figure. The EA prediction for DDG1 corresponds to R6 and DDG2 corresponds to R1 / R2 (**Figure 4.1.3**). All results are below PA 10_0191 limits and EA predictions.

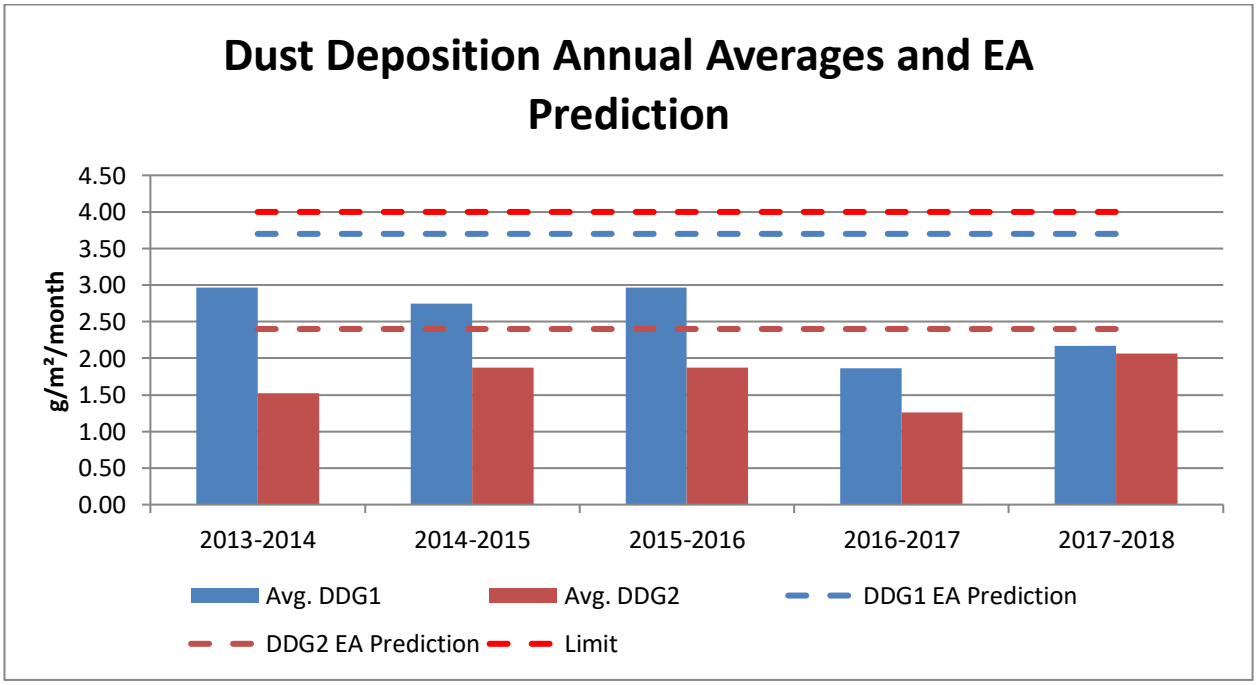

Figure 4.1.5 Average dust deposition gauge results for the life of the project and the EA prediction.

HVAS operate every six days for 24 hours. HVAS measure total suspended particulate (TSP) (µg/m³) and Particulate Matter less than 10 µm (PM10) (µg/m³). PM10 results for the reporting period, EA predictions (R6,

Figure 4.1.3) and the 24 hour limit (PA 10_0191 Schedule 3, Condition 12) are presented in **Figure 4.1.6**. Five results were recorded above the PA 10_0191 limit. All incidents were reported to various regulators and full details are provided in **Table 4.1.3**.

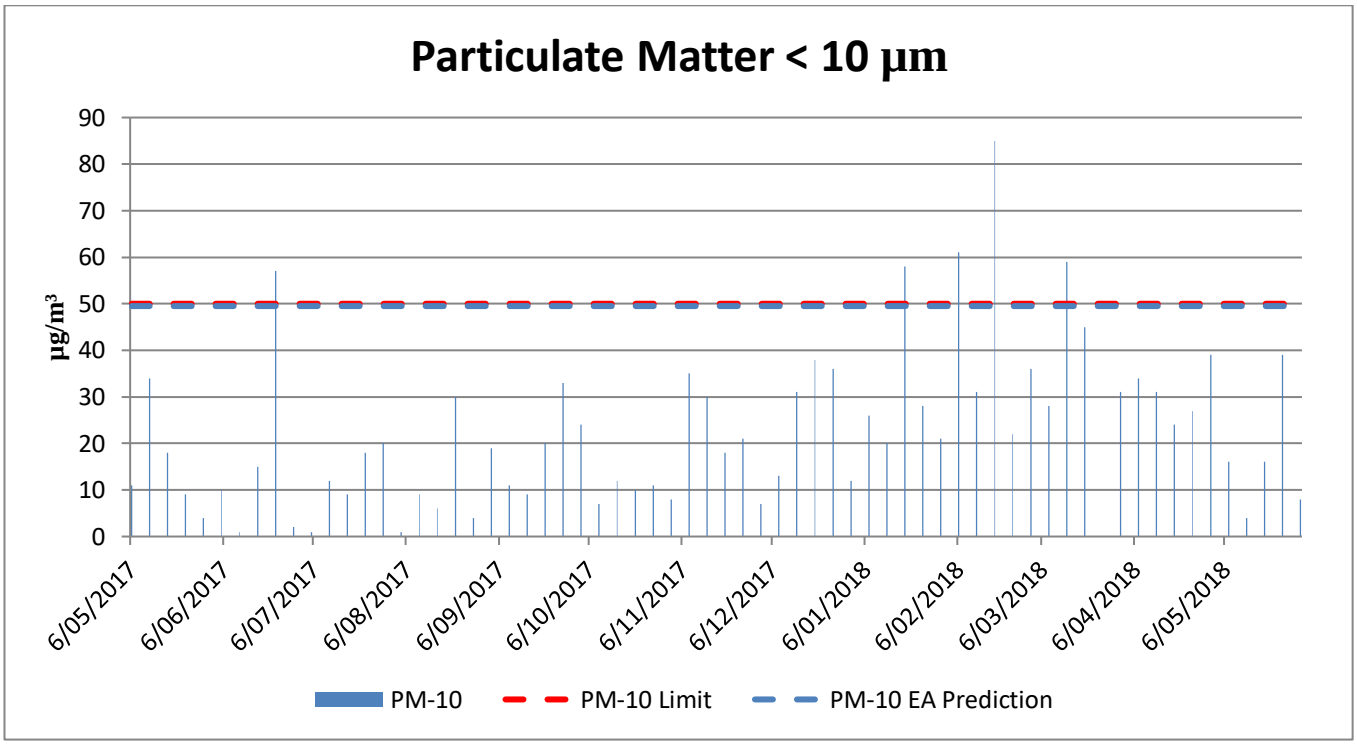

Figure 4.1.6 HVAS results for the reporting period.

Table 4.1.2 Reportable incidents for the reporting period.

Reportable Incidents	• 23 Jun 2017 - PM^{10} result of 57 µg/m^3 was recorded by the HVAS; • 19 Jan 2018 - PM^{10} result of 58 µg/m^3 was recorded by the HVAS; • 6 Feb 2018 - PM^{10} result of 61 µg/m^3 was recorded by the HVAS; • 18 Feb 2018 - PM^{10} result of 85 µg/m^3 was recorded by the HVAS; and • 14 Mar 2018 - PM^{10} result of 59 µg/m^3 was recorded by the HVAS;
Reason for the incident	• 23 Jun 2017 – Most likely caused by earthworks activities at the TSF associated with the construction of Stage 2; • 19 Jan 2018 – Most likely caused by heavy vehicle movements on the haul road exacerbated by hot, dry and windy conditions; • 6 Feb 2018 – Most likely caused by background dust conditions; • 18 Feb 2018 – Most likely caused by background dust conditions; • 14 Mar 2018 - Most likely caused by heavy vehicle movements on the haul road exacerbated by hot, dry and windy conditions;
Actions taken to prevent recurrence of the incident	• Following these incidents molasses has been applied to the entire haul road which should assist with dust from truck movements; and • Dust exceedances caused by the project are infrequent and are typically exacerbated by background conditions. This reporting period has been especially hot, dry and windy.

Figure 4.1.7 presents the TSP and PM^{10} annual averages, EA predictions (R6, **Figure 4.1.3**) and limits (PA 10_0191 Schedule 3, Condition 12). All results are below PA 10_0191 limits and EA predictions.

Monitoring and performance reports relating to air pollution are required by PA 10_0191 and Environment Protection Licence (EPL) 20189 are published on the company website on a monthly basis.

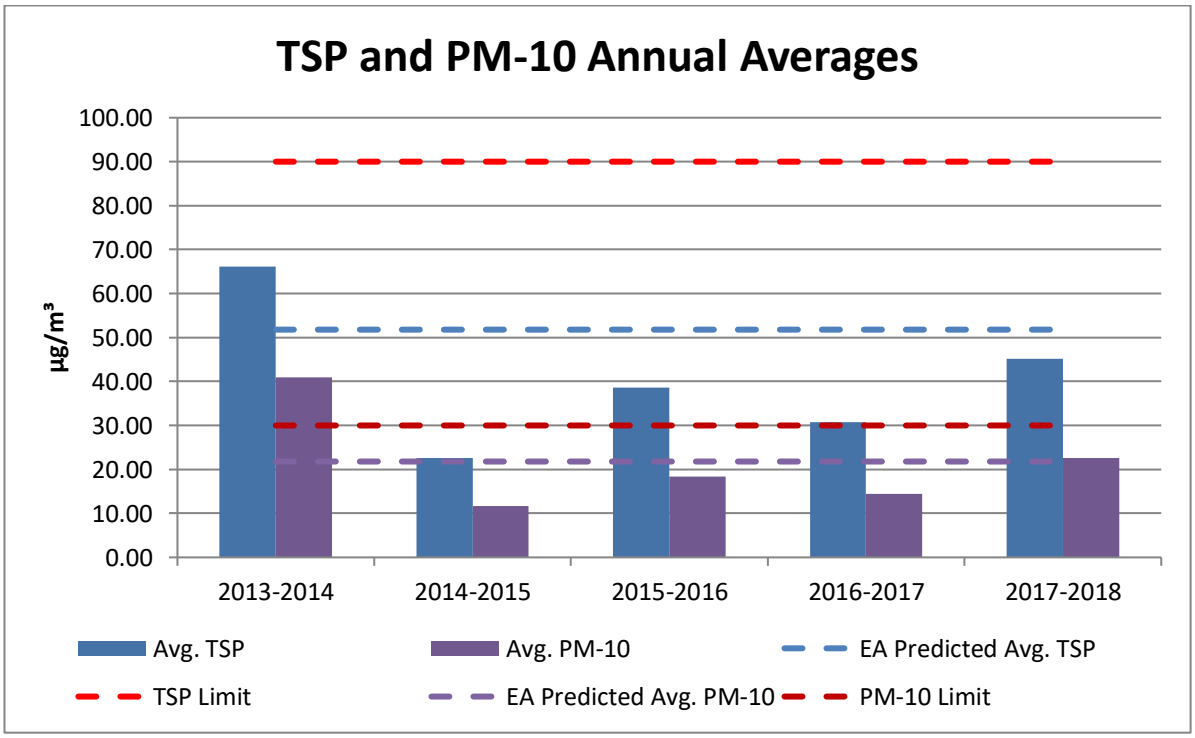

Figure 4.1.7 TSP and PM[10] annual averages and EA predictions.

4.2 Erosion and Sediment

Erosion and sediment control for the reporting period was according to the commitments made in the *Hera Mine Water Management Plan* and MOP. Details pertaining to erosion and sediment control activities for the reporting period are summarised in **Table 4.2.1**. Monitoring and performance reports relating to erosion and sediment control are not required by other licence or agency.

Table 4.2.1 Erosion and sediment control activities for the reporting period.

Control strategies for the reporting period	• Dig permits are required before any ground is broken; • Drill pads are rehabilitated; • Shaping stockpiles to reduce batter slope and length; • Inspections of all site water storages are conducted every two months or after heavy rainfall events (> 25 mm in 24 hours) and; • The sediment basin is cleaned as required.
Variations to the control strategies	No variations from the control strategies.
Reason for the variation	n/a
Notification supplied to relevant agency of any variations?	n/a

4.3 Surface water pollution

Surface water at Hera Mine is managed in accordance with the *Hera Mine Water Management Plan* and the MOP. Surface water monitoring results are published on the Company's website. The results are also reported on an annual schedule to the EPA in the Annual Return.

Figure 4.3.1 and **Figure 4.3.2** present maps of the licenced monitoring points as per EPL 20189. Surface water pollution activities during the reporting period are summarised in **Table 4.3.1.** Reportable incidents for the reporting period are presented in **Table 4.3.2**.

Figure 4.3.1 Surface water monitoring locations as per EPL 20189.

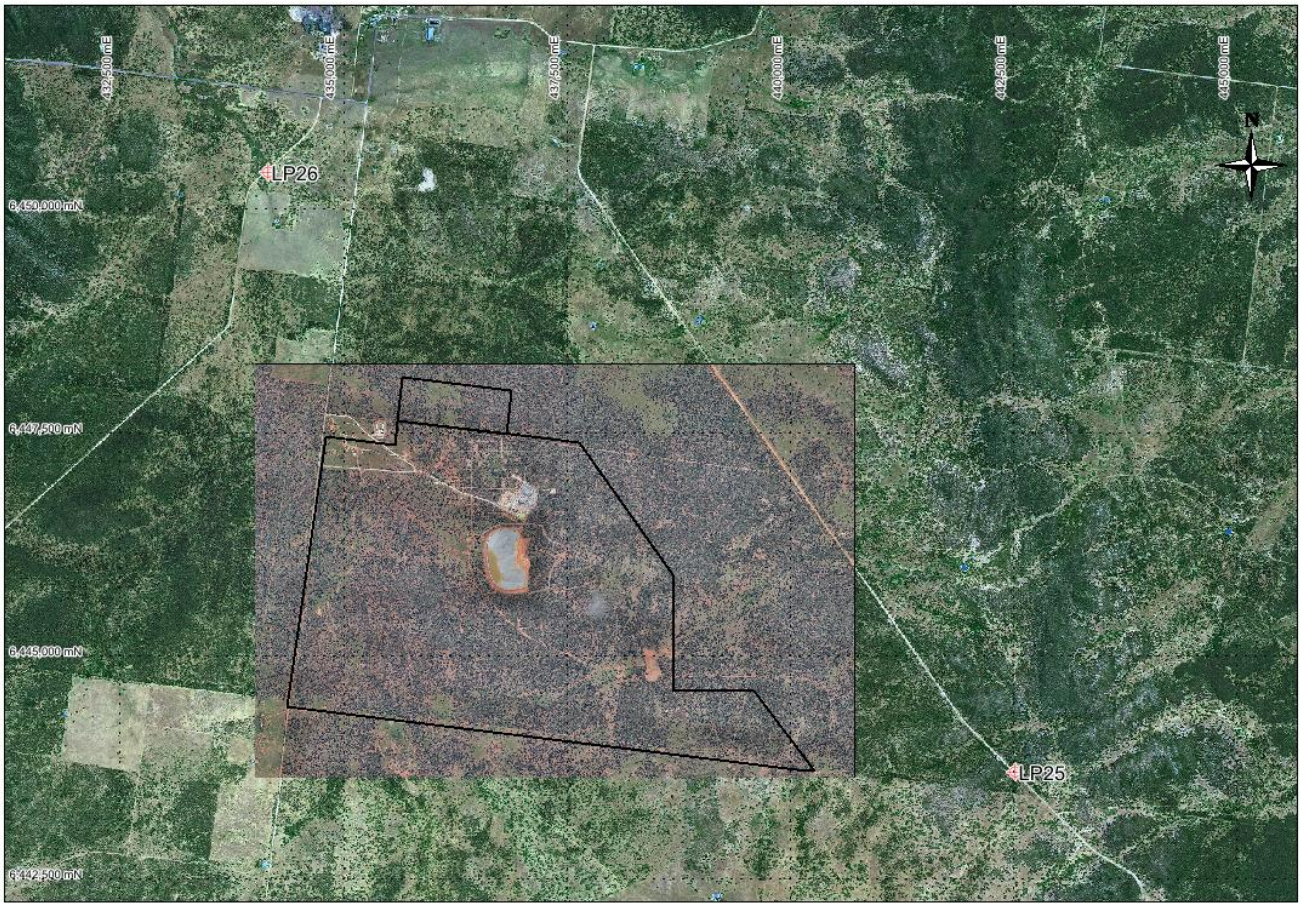

Figure 4.3.2 Upstream and downstream surface water monitoring locations as per EPL 20189.

Table 4.3.1 Surface water pollution activities for the reporting period.

Control strategies for the reporting period	• A Gap Analysis was conducted on the TSF Diversion Drain which confirmed the drain had been constructed according to the EA; • The sediment basins have been combined and expanded and the licensed discharge point has been removed; • Signage has been installed on the grey water irrigation fields warning personnel to stay out of the areas; and • The Company has continued discussions with the EPA regarding the liner in the Expanded Sediment Basin.
Variations to the control strategies	No variations from the control strategies.
Reason for the variation	n/a
Notification supplied to relevant agency of any variations?	n/a

Table 4.3.2 Reportable incidents for the reporting period.

Reportable Incidents	• There were several WAD cyanide incidents during this reporting period. Al incidents were reported to the relevant authorities.
Reason for the incident	• Full details of the incidents were provided to the relevant authorities as required.
Actions taken to prevent recurrence of the incident	• Full details of the incidents were provided to the relevant authorities as required.

Appendix 10.2 presents the water monitoring results required by PA 10_0191 (Schedule 3, Condition 18 and 19). Results are published on the Company website on a monthly basis. There were a number of no results (NR) recorded for the period.

4.4 Groundwater pollution

Groundwater at Hera Mine is managed in accordance with the *Hera Mine Water Management Plan* and the MOP. Groundwater monitoring results are published on the Company's website. The results are also reported on an annual schedule to the EPA in the Annual Return. **Figure 4.1.2** presents a map of the monitoring points as per the EPL. Groundwater pollution activities during the reporting period are summarised in **Table 4.4.1.**
A summary of monitoring and performance reports required by other licenses or agencies is supplied in **Table 4.4.2**. No reportable incidents were recorded for the reporting period.

Table 4.4.1 Groundwater pollution activities for the reporting period.

Control strategies for the reporting period	• Monitoring bores surrounding TSF are monitored on a regular basis to assess for potential seepage. These bores have remained dry for the duration of the project; and • Monitoring bores around site are monitor on a regular basis to assess for potential impacts to neighboring groundwater supplies.
Variations to the control strategies	No variations from the control strategies.
Reason for the variation	n/a
Notification supplied to relevant agency of any variations?	n/a

Average monthly standing water levels for the licenced monitoring bores are presented in **Figure 4.4.1**. The figure summarises the metres below ground level (mbgl) for each month in the reporting period and the relevant limit for each bore. **Figure 4.4.2** is a summary of the standing water level results for the life of the Hera Mine.

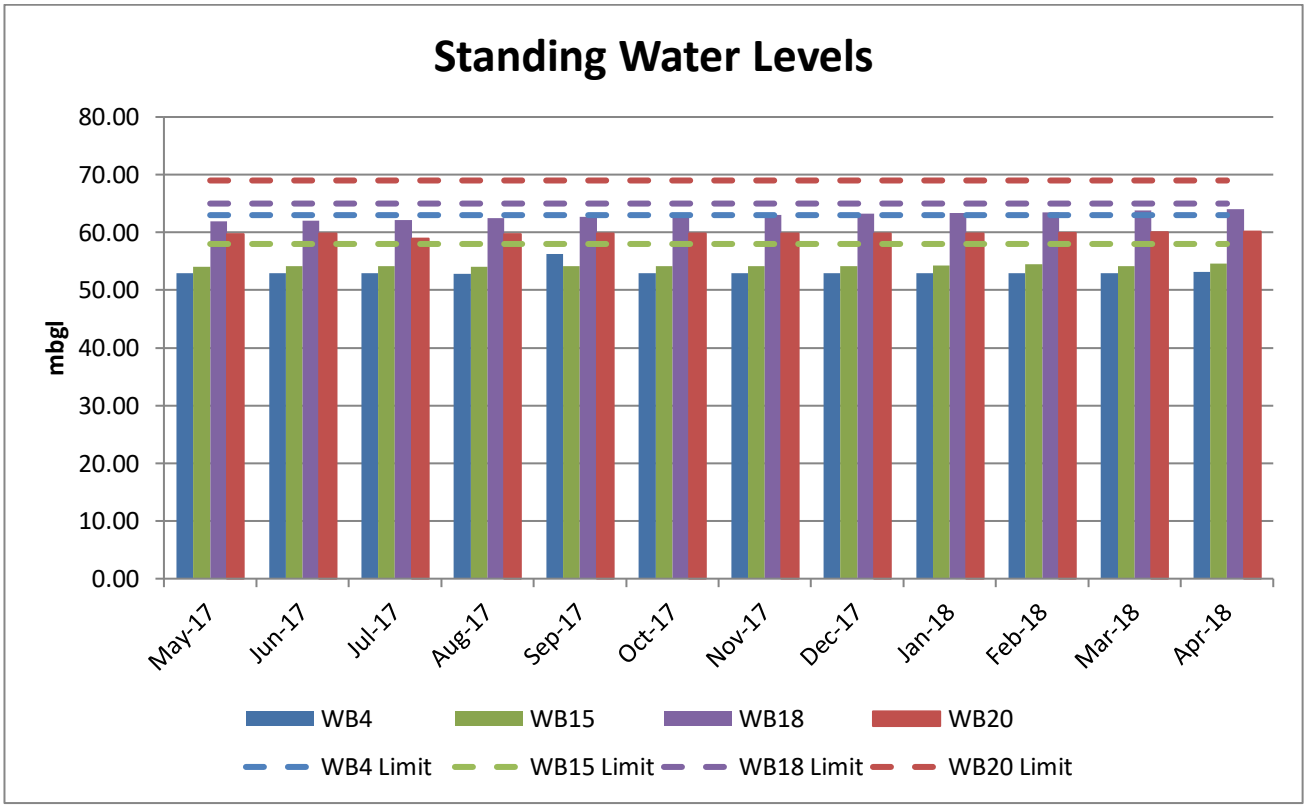

Figure 4.4.1 Standing water level results

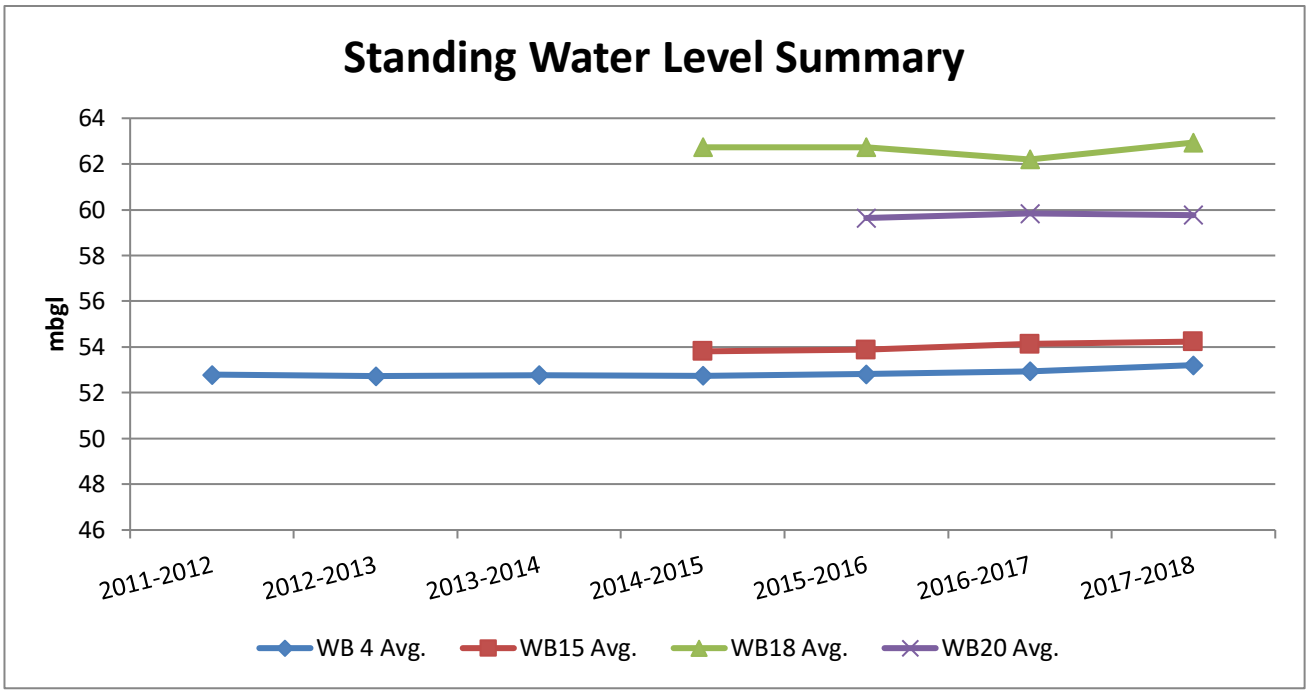

Figure 4.4.2 Summary of standing water levels for the life of the Hera Mine

Table 4.4.2 Summary of monitoring and performance reports required by other licenses or agencies.

Licence or agency	Requirements
EPL 20189	• Licence points must be sampled on a quarterly basis for standing water level and a range of water quality parameters; • The monitoring results are reported in the Annual Return for the reporting period (18 March 2017 to 17 March 2018) and; • Results are published on the Company website.
WAL 28773 and 30298	• Licence points must be sampled on a monthly basis for standing water level and for pH and electrical conductivity; • The Company is licensed to remove 540 mega-litres according to WAL 28773; and • Total groundwater removed from underground sources is reported at the end of financial year.

pH and electrical conductivity for the licenced monitoring bores is presented in **Figure 4.4.3** and **Figure 4.4.4** respectively.

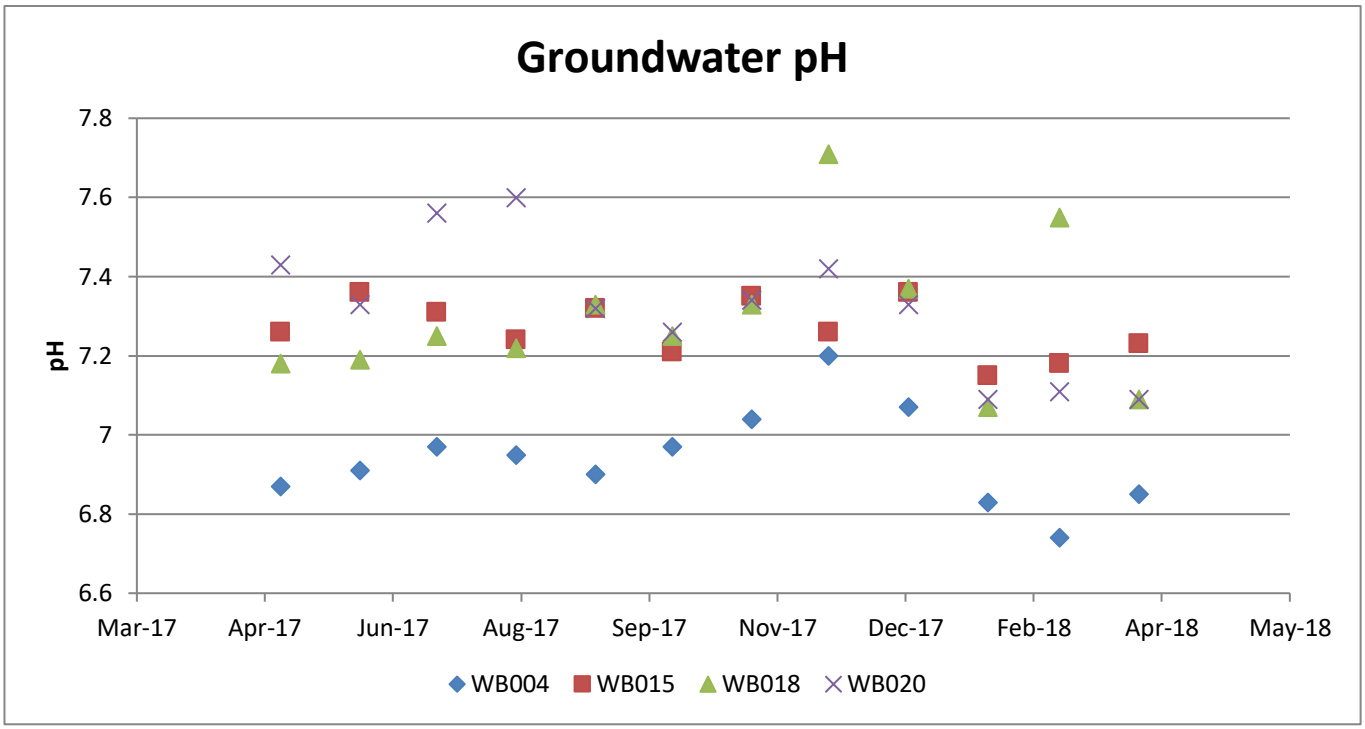

Figure 4.4.3 Summary of pH for the licenced groundwater monitoring bores

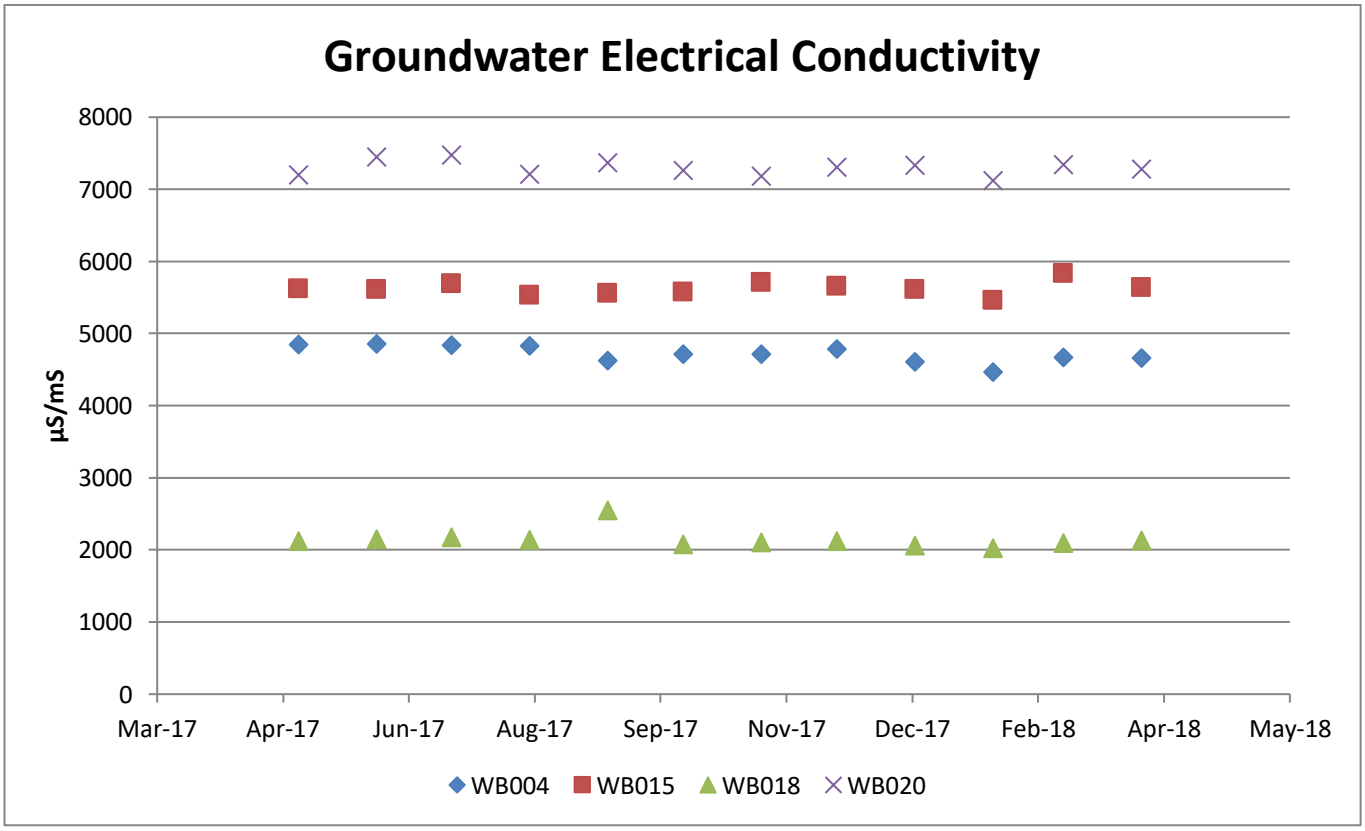

Figure 4.4.4 Summary of electrical conductivity for the licenced groundwater monitoring bores

Figure 4.4.5 and **Figure 4.4.6** present the groundwater pH and electrical conductivity for the life of the mine respectively.

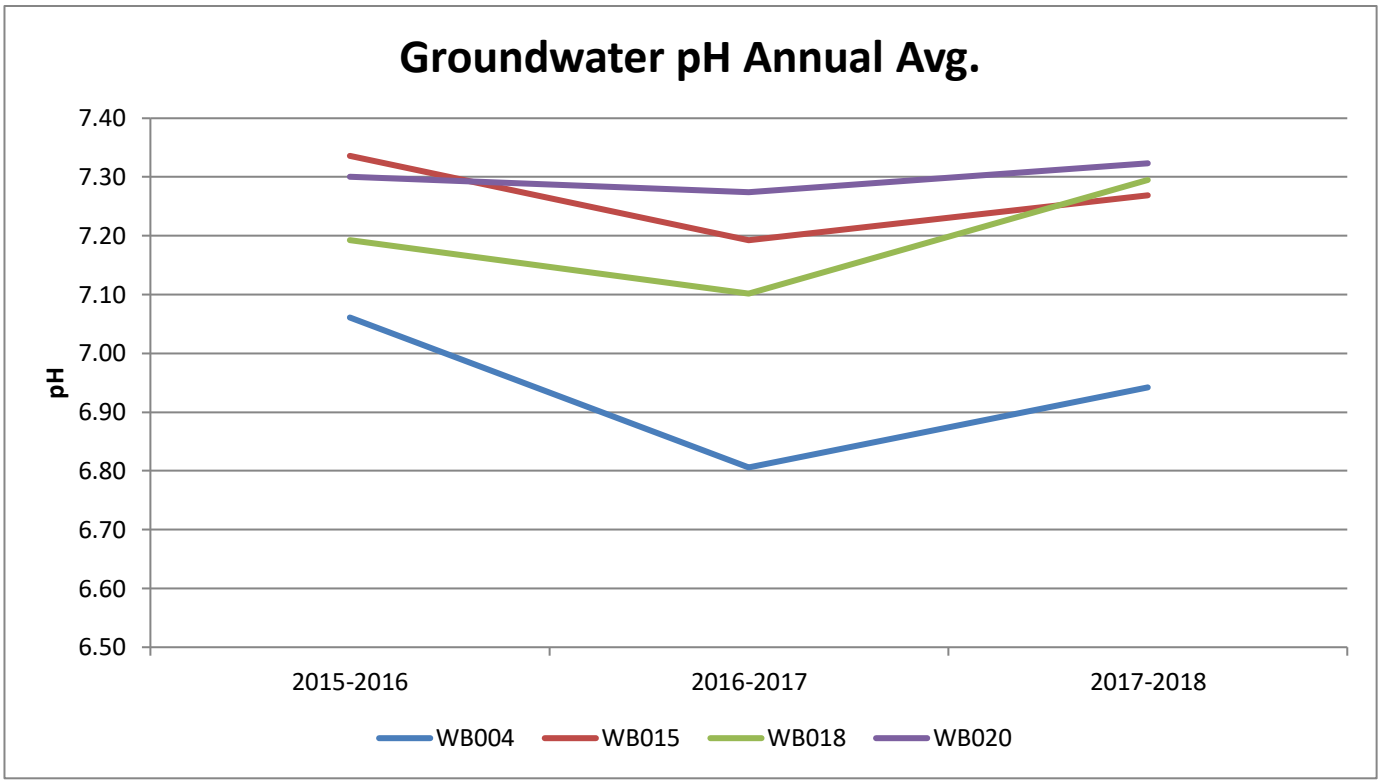

Figure 4.4.5 Summary of the groundwater pH for the life of the mine.

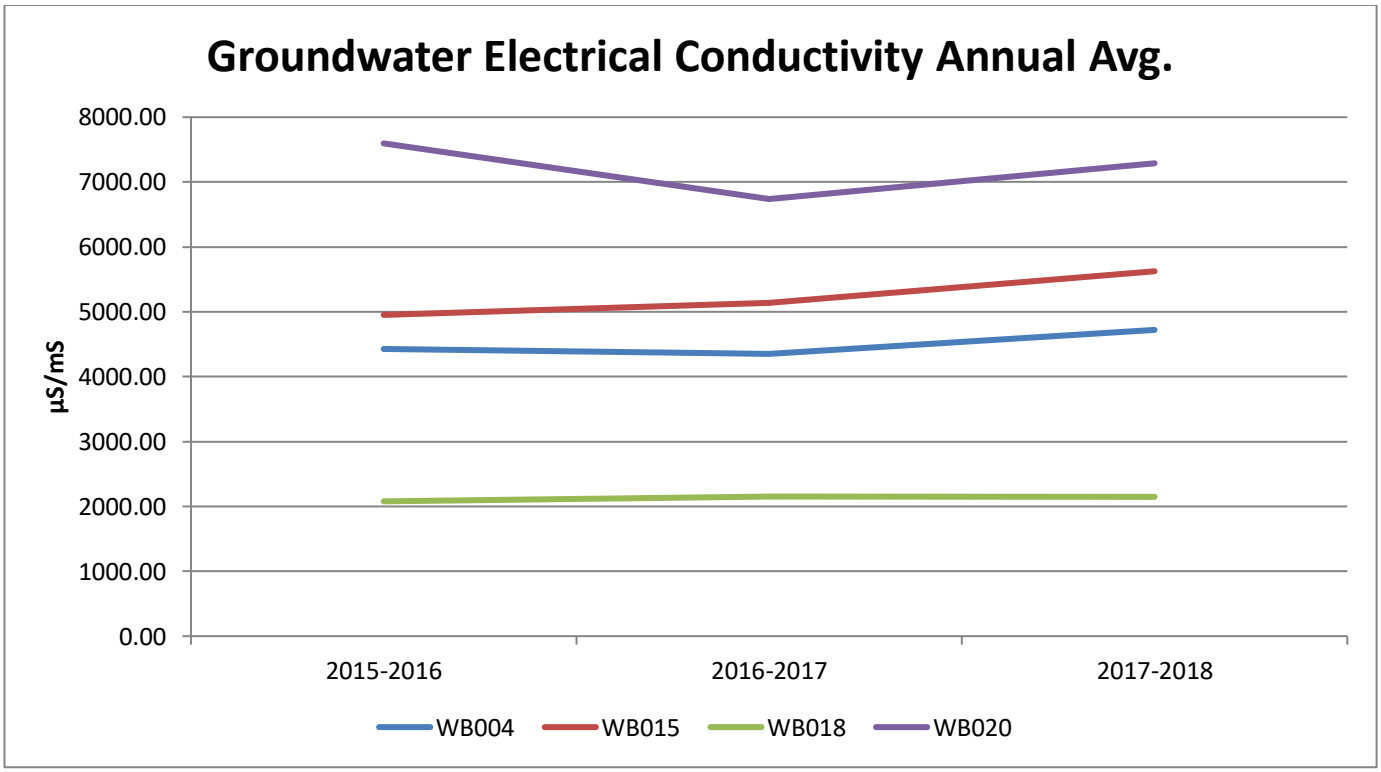

Figure 4.4.6 Summary of the groundwater electrical conductivity for the life of the mine.

Table 4.4.3 is a summary of the groundwater extracted from the production bores for the reporting period. A total of 456 mega-litres of groundwater was extracted from the bores. The Company is licensed to remove 540 mega-litres. The groundwater production has significantly increase from previous years. The reason being is the Company intersected significant volumes of water in the mine in October 2017 and February 2018. The holes

have since been plugged and water production has returned to normal. Approximately 70% of the total water was produced from de-watering the Hera Mine. Where possible this water is treated and sent back underground for use in mining activities.

Approximately 8% of total groundwater produced was used in the reverse osmosis plant in the production of potable water; approximately 25% was pumped to the underground decline for use in water sprays, drilling and underground activities; approximately 9% was utilised in gland water for pumps; and approximately 58% was used in the Process Plant and recirculated between the Process Water Dam, Process Plant and TSF to assist with evaporation.

Table 4.4.4 is a summary of water usage onsite and a comparison to the water balance. Water usage was significantly higher in all cases than predictions made in the water balance. The largest discrepancy between predicted and actual is the underground. This was caused by significant water intersects underground leading to increased water production from the decline for approximately six months. The holes have since been plugged and water production returned to normal. Water usage is reduced onsite where possible and bore water usage is minimised. Underground Mine water is recycled and re-used underground as make-up water. Bore water is used for creation of potable water, dust suppression, pump gland water and underground make-up water (minimised where possible) only.

Table 4.4.3 Summary of groundwater extracted from production bores for the reporting period

Date	Underground Decline (ML)	Back Bore (ML)	House Bore (ML)	WB21(ML)	WB8 (ML)	WB24 (ML)	WB25 (ML)	Total (ML)
Jul-17	13.93	0.49		1.89	4.47	1.66	1.37	**23.81**
Aug-17	14.29	0.51		2.46	5.66	0.67	0.00	**23.59**
Sep-17	13.46	0.32		2.61	4.16	0.95	0.46	**21.96**
Oct-17	27.62	0.00		2.32	0.00	0.00	6.97	**36.91**
Nov-17	38.76	0.02		0.34	0.00	0.00	8.04	**47.17**
Dec-17	38.73	0.12		1.74	4.18	0.00	2.07	**46.84**
Jan-18	35.90	0.00		3.53	5.40	0.00	0.59	**45.43**
Feb-18	42.87	0.00		2.88	4.92	0.00	3.26	**53.93**
Mar-18	28.38	0.00		3.33	5.12	0.00	3.13	**39.96**
Apr-18	26.20	0.00		0.77	0.00	0.00	9.64	**36.60**
May-18	23.87	0.00		1.12	2.40	0.00	8.27	**35.66**
Jun-18	14.79	0.00		3.09	5.87	0.00	3.16	**43.87**
Total (ML)	**318.81**	**1.46**	**16.97**	**26.08**	**42.17**	**3.29**	**46.95**	**455.72**

Table 4.4.4Summary of water flows onsite and comparison to the water balance.

	Rainfall (mm)		Underground Make Up Water Demand (mega-litres)		Underground Mine Water Outflow (mega-litres)		Ablutions Demand (mega-litres)	
Date	Actual	Water Balance Prediction	Actual	Water Balance Prediction	Actual	Water Balance Prediction	Actual	Water Balance Prediction
May-17	22.6	30	10.901	1.4	13.932	6.43	1.329	0.5
Jun-17	9	30	8.748	1.4	14.294	6.43	1.272	0.5
Jul-17	11	30	8.066	1.4	13.462	6.43	1.394	0.5
Aug-17	17.6	30	8.247	1.4	27.618	6.43	1.532	0.5
Sep-17	2.6	30	9.103	1.4	38.759	6.43	1.185	0.5
Oct-17	74.2	30	10.06	1.4	38.731	6.43	1.191	0.5
Nov-17	112	30	10.486	1.4	35.9	6.43	1.249	0.5
Dec-17	46.4	30	14.076	1.4	42.872	6.43	1.541	0.5
Jan-18	17.2	30	13.692	1.4	28.382	6.43	1.625	0.5
Feb-18	15.6	30	12.47	1.4	26.197	6.43	1.702	0.5
Mar-18	2.4	30	11.732	1.4	23.874	6.43	1.678	0.5
Apr-18	0	30	9.532	1.4	14.792	6.43	1.595	0.5
Total	**330.6**	**360**	**127.1**	**16.8**	**318.8**	**77.1**	**17.3**	**6**
Difference (%)	**91.83%**		**756.63%**		**413.18%**		**288.22%**	

Figure 4.4.7 is a summary of the groundwater production for the last two financial years. Groundwater production monitoring prior to this time was deficient and insufficient data is available to present.

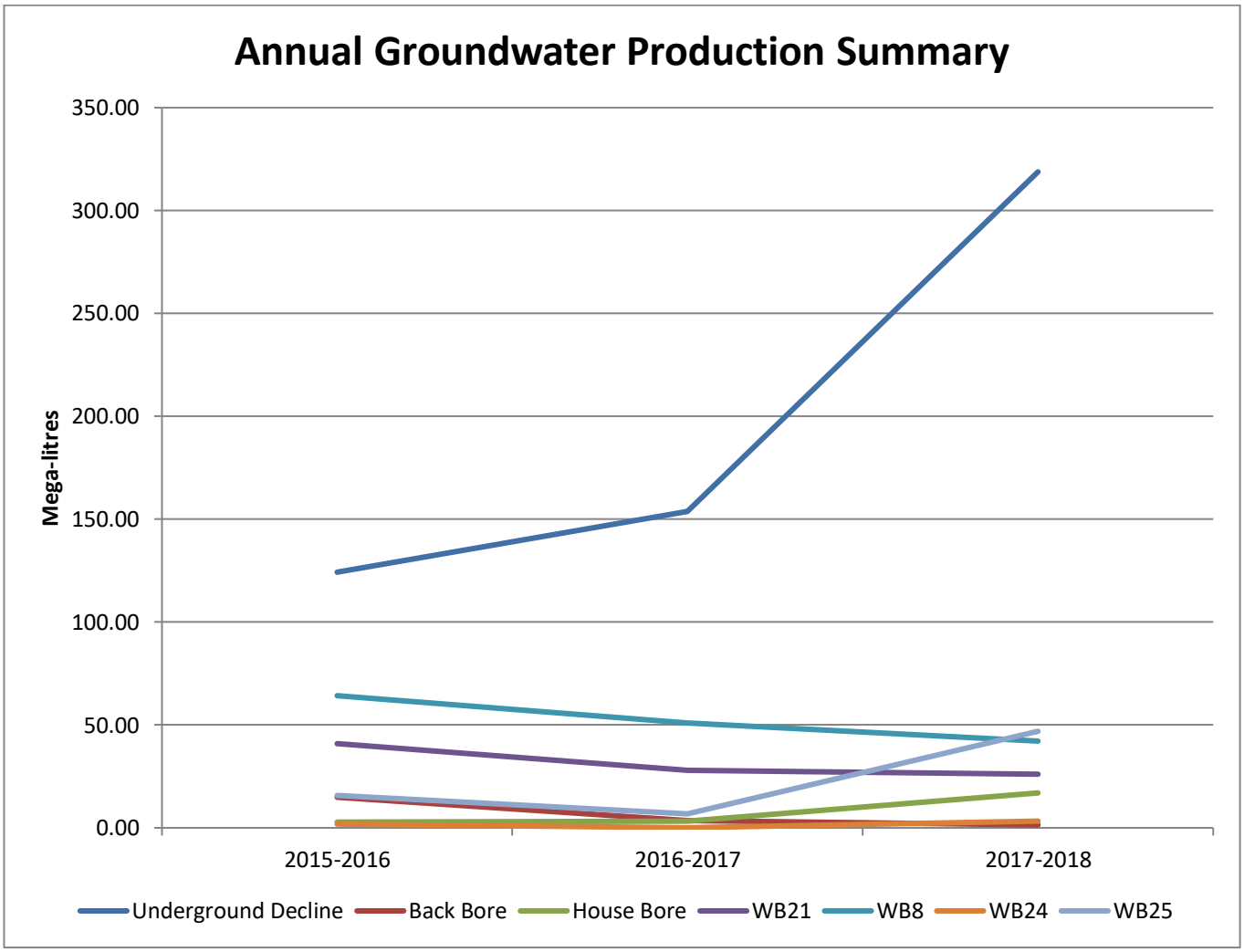

Figure 4.4.7 Summary of Groundwater production for the life of the mine.

4.5 Contaminated polluted land

Contaminated polluted land at the Mine is managed in accordance with the *Hazardous Materials Management Plan* and the MOP. Contaminated polluted land activities during the reporting period are summarised in **Table 4.5.1.** No reportable incidents were recorded for the reporting period. No other monitoring or performance reports are required by other licence or agency.

Table 4.5.1 Contaminated polluted land activities for the reporting period.

Control strategies for the reporting period	• Incidents leading to the potential contamination of land onsite are report under the Company's incident reporting framework. All incidents are investigated to determine the root cause and facilitate process improvements; and • Pollution incidents of land causing actual or potential material harm to the environment are reported to the relevant external regulators.
Variations to the control strategies	No variations from the control strategies.

Reason for the variation	n/a
Notification supplied to relevant agency of any variations?	n/a

4.6 Threatened Flora

Threatened flora at the Mine is managed in accordance with the *Biodiversity Management Plan* and the MOP. Threatened flora activities during the reporting period are summarised in **Table 4.6.1.** No reportable incidents were recorded for the reporting period. No other monitoring or performance reports are required by other licence or agency.

Table 4.6.1 Threatened flora activities for the reporting period.

Control strategies for the reporting period	• A flora and fauna monitoring survey was completed in November 2017 (**Appendix 10.3**); • The Biodiversity Offset Strategy is yet to be approved by the Secretary. This is due to challenges associated with biodiversity offsets on Western Lands Leases (WLL). During this period, the Company has been in consultation with Forestry Corporation NSW (FCNSW) to determine the best pathway forward for timber assets reimbursement. The Company has recently been informed the offset must be converted to a freehold before this can progress; • The Biodiversity Management Plan is yet to be approved by the Secretary. However, final submission cannot be made to the Secretary until the Biodiversity Offset Strategy is finalised. A final draft version of the management plan was submitted to the DPE for comment on 23 Dec 2017. No response has been received to date; and • During the reporting period, the Company gained approval from the Executive Director Mineral Resources to utilise the Mining Operations Plan (MOP) as the Rehabilitation Management Plan. This approval was granted on 29 Jan 2018 (**Appendix 10.4**).
Variations to the control strategies	No variations from the control strategies.
Reason for the variation	n/a
Notification supplied to relevant agency of any variations?	n/a

4.7 Threatened Fauna

Threatened fauna at the Mine is managed in accordance with the *Biodiversity Management Plan* and the MOP. Threatened fauna activities during the reporting period are summarised in **Table 4.7.1.** No reportable incidents were recorded for the reporting period. No other monitoring or performance reports are required by other licence or agency.

Table 4.7.1 Threatened flora activities for the reporting period.

Control strategies for the reporting period	• A flora and fauna monitoring survey was completed in November 2017 (**Appendix 10.3**); • Goats are removed from the property as required; • A cat trap is set as required; • Fox baiting is conducted as required and;

	• Rabbit baiting and/or warren ripping is conducted onsite as required.
Variations to the control strategies	No variations from the control strategies.
Reason for the variation	n/a
Notification supplied to relevant agency of any variations?	n/a

4.8 Weeds

Weeds at the Mine are managed in accordance with the *Biodiversity Management Plan*. Weed management activities during the reporting period are summarised in **Table 4.8.1.** No reportable incidents were recorded for the reporting period. No other monitoring or performance reports are required by other licence or agency.

Table 4.8.1 Weed management activities for the reporting period.

Control strategies for the reporting period	• On 11 May 2018 the Cobar Shire Council conducted a noxious weeds inspection. Devils Rope and Bathurst burr were identified as potential issues and management advice was given (**Appendix 10.5**); • No additional noxious weeds other than reported in the *Biodiversity Management Plan* were observed ; • Vehicles are washed down on a regular basis; and • Weed spraying is conducted as required. Weeds targeted were thistle, Bathurst Burr and Galvanised Burr.
Variations to the control strategies	No variations from the control strategies.
Reason for the variation	n/a
Notification supplied to relevant agency of any variations?	n/a

4.9 Blasting

Blast activities at the Mine are managed in accordance with the *Blast Management Plan*. Blast management activities during the reporting period are summarised in **Table 4.9.1.** The data for the reporting period has been presented in **Appendix 10.6**.

One reportable incident was recorded for the reporting period. The incident was reported to the relevant authorities on 7 Sep 2018. Monitoring or performance reports required by other licence or agency are summarised in **Table 4.9.2**.

Table 4.9.1 Blast activities for the reporting period.

Control strategies for the reporting period	• Blast vibration and overpressure are recorded for all blasting; and • 868 blasts were initiated underground. All blasts were within PA 10_0191 (Schedule 3, Condition 4) and EPL 20189 (Condition L5.1) limits.
Variations to the control strategies	• No variations from the control strategies
Reason for the variation	n/a
Notification supplied to relevant agency of any variations?	n/a

Table 4.9.2 Summary of monitoring and performance reports required by other licenses or agencies.

Licence or agency	Requirements
EPL 20189	• Ground vibration and overpressure must be monitored for all blasting; • Exceedances are reported to the EPA and in the Annual Return and; • All data must be published on the AMI website.

Figure 4.9.1 is a summary of the average annual blast vibration for the life of the Mine. The blast vibration has reduced in the last reporting period. This is likely a result of the relocation of the blast monitor to the nearest residence on privately owned land. The increasing trend evident in previous years would be expected as the project has transitioned from an underground development focus to an underground production focus (i.e. production blasting typically has greater maximum instantaneous charges than development blasting).

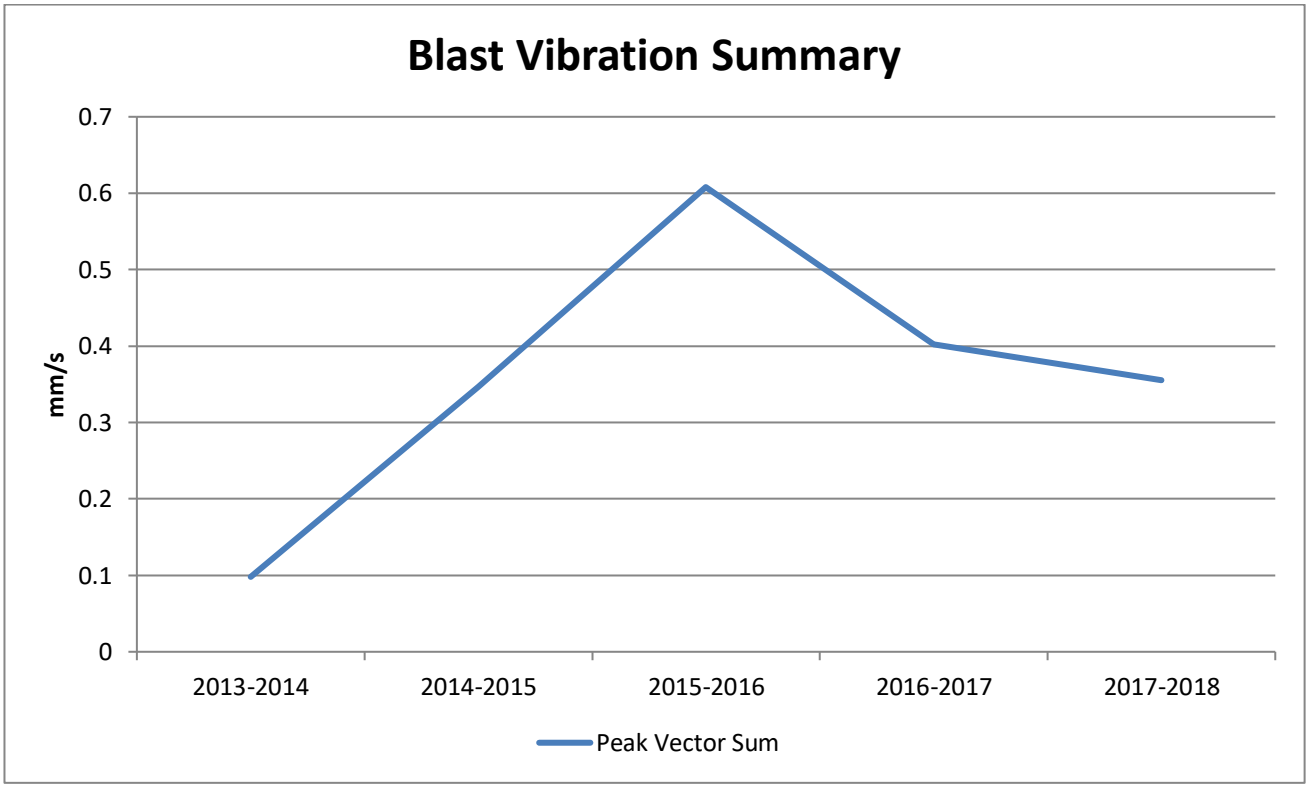

Figure 4.9.1 Summary of the average blast vibration for the life of the Hera Mine

4.10 Operational Noise

Operational noise at Hera Mine is managed in accordance with the *Noise Management Plan*. Operational noise management activities during the reporting period are summarised in **Table 4.10.1.** Noise monitoring is conducted at R1/R2, R3 and R4 (**Figure 4.1.3**) No reportable incidents were recorded for the reporting period. Monitoring or performance reports required by other licence or agency are summarised in **Table 4.10.2**.

Table 4.10.1 Operational noise management activities for the reporting period.

Control strategies for the reporting period	• An updated version of the Noise Management Plan was submitted to DPE for comment on 27 Nov 2017. Comment was received on 26 Jun 2018. The Company will review the Noise Management Plan and re-submit for determination during the next reporting period;
	• Operational noise is reduced where possible by applying strategies such as
	  ○ Utilising natural and artificial noise barriers (e.g. hay bales around exploration drill rigs);
	  ○ Operation of individual plant/equipment;
	  ○ Planning 'noisy' operations for suitable periods of the day;
	  ○ Fitting plant/equipment with noise abatement devices where possible and;
	  ○ Sourcing low frequency alarms.
	• Noise monitoring is conducted near the closest neighboring properties (**Figure 4.1.3**) during day, evening and night time periods; and
	• The Company currently has an ongoing Noise Agreement with residence R3.

Variations to the control strategies	No variations to the control strategies
Reason for the variation	n/a
Notification supplied to relevant agency of any variations?	n/a

Table 4.10.2 Summary of monitoring and performance reports required by other licenses or agencies.

Licence or agency	Requirements
EPL 20189	• Operational noise is to be monitored at neighboring properties • Exceedances are reported to the EPA and in the Annual Return and; • All data must be published on the AMI website.

Table 4.10.3 is a summary of the noise monitoring conducted by EMM in July 2017 (**Appendix 10.7**) including the EA predictions and PA 10_0191 (Schedule 3, Condition 1) and EPL 20189 (Condition L4.1) limits. The Mine has an ongoing noise agreement with its nearest neighbour who is located at R3. No exceedances have been reported in this reporting period.

Table 4.10.3 Summary of attended noise monitoring results conducted by EMM Consultants on 16 and 17 Feb 2018.

Receiever	Date	Time	LAeq Limit	LA Max Limit (dB)	LAeq Site Contribution (dB)	LA Max Site Contribution (dB)	LAeq EA Prediction (dB)	LA Max EA Prediction (dB)
R1-R2	24/07/2017	14:07	35	n/a	Inaudible (IA)	n/a	<20	n/a
R3	24/07/2017	13:47	35	n/a	IA	n/a	25	n/a
R4	24/07/2017	13:28	35	n/a	IA	n/a	<20	n/a
R1-R2	24/07/2017	21:25	35	n/a	26	n/a	<20	n/a
R3	24/07/2017	21:03	35	n/a	30	n/a	25	n/a
R4	24/07/2017	20:42	35	n/a	24	n/a	<20	n/a
R1-R2	24/07/2017	22:00	35	45	27	24	<20	30
R3	24/07/2017	22:55	35	45	29	25	25	39
R4	24/07/2017	23:50	35	45	25	21	<20	33
R1-R2	25/07/2017	22:15	35	45	29	25	<20	30
R3	24/07/2017	23:10	35	45	32	31	25	39
R4	25/07/2017	0:06	35	45	26	22	<20	33

4.11 Visual, Stray Light

Visual, stray light at the Mine is managed as required. Visual, stray light management activities during the reporting period are summarised in **Table 4.11.1.** No reportable incidents were recorded for the reporting period. No other monitoring or performance reports are required by other licence or agency.

Table 4.11.1 Visual, stray light management activities for the reporting period.

Control strategies for the reporting period	• Natural screening (e.g. trees) are not removed unless required; • Physical barriers and distance between the Hera Mine and potential sensitive receptors; and • Placement, intensity, illumination direction to reduce nuisance light.
Variations to the control strategies	No variations to the control strategies.
Reason for the variation	n/a
Notification supplied to relevant agency of any variations?	n/a

4.12 Aboriginal Heritage

Aboriginal heritage at the Mine is managed in accordance with the *Aboriginal Cultural Heritage Management Plan*. Aboriginal heritage management activities during the reporting period are summarised in **Table 4.12.1.** No reportable incidents were recorded for the reporting period. No other monitoring or performance reports are required by other licence or agency.

Table 4.12.1 Aboriginal heritage management activities for the reporting period.

Control strategies for the reporting period	• No sites or objects of Aboriginal heritage significance have been identified at the Mine; • All employees and contractors to Hera Mine receive training during site inductions; and • Dig permits are required when breaking ground and part of this process involves inspecting the site for heritage items.
Variations to the control strategies	No variations from the control strategies.
Reason for the variation	n/a
Notification supplied to relevant agency of any variations?	n/a

4.13 Natural Heritage

Natural heritage at the Mine is managed as required. Natural heritage management activities during the reporting period are summarised in **Table 4.13.1.** No reportable incidents were recorded for the reporting period. No other monitoring or performance reports are required by other licence or agency.

Table 4.13.1 Natural Heritage activities for the reporting period.

Control strategies for the reporting period	• No sites or objects of natural heritage significance have been identified at the Hera Mine; • All employees and contractors to the Mine receive training during site inductions; and • Dig permits are required when breaking ground and part of this process involves inspecting the site for heritage items.
Variations to the control strategies	No variations from the control strategies.
Reason for the variation	n/a
Notification supplied to relevant agency of any variations?	n/a

4.14 Spontaneous Combustion

Environmental management of spontaneous combustion, including control strategies and variations are summarised in **Table 4.14.1.** No reportable incidents were recorded for the reporting period. No other monitoring or performance reports are required by other licence or agency.

Table 4.14.1 Spontaneous combustion management activities for the reporting period.

Control strategies for the reporting period	• The Mine is a hard rock metalliferous mine and not prone to spontaneous combustion.
	• Some chemicals have a chance of spontaneous combustion. Control strategies implemented to manage the risk includes:
	  ○ Chemicals that are spontaneously combustible are stored tightly in containers in cool, dry, well ventilated areas, removed from oxidising agents, acids, direct sunlight, heat or ignition sources;
	  ○ Containers are labelled with SDS readily available;
	  ○ Containers are protected from physical damage;
	  ○ Regular checks for leaks or spills are conducted; and
	  ○ Fire protection systems are readily available.

Variations to the control strategies	No variations from the control strategies.
Reason for the variation	n/a
Notification supplied to relevant agency of any variations?	n/a

4.15 Bushfire

Environmental management of bushfire, including control strategies and variations are summarised in **Table 4.15.1.** No reportable incidents were recorded for the reporting period. No other monitoring or performance reports are required by other licence or agency.

Table 4.15.1 Bushfire management activities for the reporting period.

Control strategies for the reporting period	• Fire breaks around infrastructure and boundary fencing; • Hot work permit procedure for any work involving heat and/or naked flame; • Job Safety and Environment Analysis procedure to assess hazards in each step of a work, to establish suitable controls to manage identified hazards and appropriate tools, equipment, permits, PPE and reference documents required; • Correct and safe storage of flammable and combustible fuels, chemicals and materials; • Site-wide restriction on smoking and carrying of flame initiating devices; • Deployment of suitably trained and experienced Site Emergency Response Team; and • Established links and protocols with nearby Cobar emergency response teams.
Variations to the control strategies	No variations from the control strategies.
Reason for the variation	n/a
Notification supplied to relevant agency of any variations?	n/a

4.16 Mine Subsidence

Environmental management of mine subsidence, including control strategies and variations are summarised in **Table 4.16.1.** No reportable incidents were recorded for the reporting period. No other monitoring or performance reports are required by other licence or agency.

Table 4.16.1 Mine subsidence management activities for the reporting period.

Control strategies for the reporting period	The Mine is an underground, hard rock, metalliferous mine in relatively stable ground with no record of mine subsidence.
Variations to the control strategies	No variations from the control strategies.
Reason for the variation	n/a
Notification supplied to relevant agency of any variations?	n/a

4.17 Hydrocarbon contamination

Environmental management of hydrocarbon contamination, including control strategies and variations are summarised in **Table 4.17.1.** No reportable incidents were recorded for the reporting period. No other monitoring or performance reports are required by other licence or agency.

Table 4.17.1 Hydrocarbon contamination management activities for the reporting period.

Control strategies for the reporting period	• Bunding of hydrocarbon storages; • Runoff from wash bays is captured and treated; • Provision of spill kits for containment and clean-up; and • Inspections of hydrocarbon storages.
Variations to the control strategies	No variations from the control strategies.
Reason for the variation	n/a
Notification supplied to relevant agency of any variations?	n/a

4.18 Methane drainage/ventilation

Environmental management of methane drainage/ventilation, including control strategies and variations are summarised in **Table 4.18.1.** No reportable incidents were recorded for the reporting period. No other monitoring or performance reports are required by other licence or agency.

Table 4.18.1 Spontaneous combustion management activities for the reporting period.

Control strategies for the reporting period	The Mine is a hard rock metalliferous mine and not prone to methane drainage/ventilation issues.
Variations to the control strategies	No variations from the control strategies.
Reason for the variation	n/a
Notification supplied to relevant agency of any variations?	n/a

4.19 Public Safety

Environmental management of public safety, including control strategies and variations are summarised in **Table 4.19.1.** No reportable incidents were recorded for the reporting period. No other monitoring or performance reports are required by other licence or agency.

Table 4.19.1 Spontaneous combustion management activities for the reporting period.

Control strategies for the reporting period	• Perimeter fencing with gated entrances and warning signage as barrier to prevent Public access to the Mine; • Provision of swipe card access for main entrance to the Mine; • Entry restriction to all persons under the age of 16 years; • Mill Control Centre manned 24 hours a day, seven days a week; and • Induction procedures for visitors to site.
Variations to the control strategies	No variations from the control strategies.
Reason for the variation	n/a
Notification supplied to relevant agency of any variations?	n/a

4.20 Other issues and risks

4.20.1 Concentrate Transport

Transport of concentrate is managed in accordance with the *Traffic Management Plan*. Reportable incidents for the period are summarised in **Table 4.20.1**. Monitoring of concentrate transport is required according to PA 10_0191 (Schedule 3, Condition 37A) and the data is published on the Company website on a monthly basis.

During the reporting period the Company commenced formal two monthly inspection of the unsealed section of the Nymagee-Hermidale Road as per PA 10_0191 Schedule 3, Condition 35C). Furthermore, the Nymagee-Hermidale Road has now been entirely sealed through grants from the federal government and a substantial donation from the Company. As such the Company has made application to the Secretary to remove Schedule 3, Condition 35C and Schedule 2, Condition 15 as the Company understands they are no longer applicable.

Table 4.20.1 Reportable incidents associated with concentrate transport for the reporting period

Reportable Incidents	• One concentrate transport truck left the Mine outside of daylight hours.
Reason for the incident	• Misinterpretation of the PA 10_0191 conditions associated with transport of concentrate.
Actions taken to prevent recurrence of the incident	• The incidents were reported to the DPE and Roads and Maritime Service (RMS) on 7 Dec 2017.

Table 4.20.2 is a summary of the concentrate truck movements travelling from the Mine to the Hermidale rail siding, averaged over a calendar month.

Table 4.20.2 Summary of concentrate truck movements

Date	Concentrate (t)	Avg. vehicle movements per day
May-17	1,782	1.19
Jun-17	3,073	2.13
Jul-17	3,451	2.35
Aug-17	4,526	3.06
Sep-17	3,327	2.27
Oct-17	3,550	2.32
Nov-17	2,919	1.97
Dec-17	2,608	1.71
Jan-18	5,238	3.48
Feb-18	2,608	1.93
Mar-18	3,458	2.26
Apr-18	4,350	2.97

No other issues or risks to report.

5 Community Relations

5.1 Environmental Complaints

A summary of complaints for the reporting period is provided in **Table 5.1.1**.

Table 5.1.1 Summary of complaints for the reporting period.

Date	Pollution complaint category
5/05/2017	Light Vehicle interaction on Public Road
11/06/2017	Alleged Trespassing

Figure 5.1.1 is a summary of the complaints received relating to operations at the Mine. The complaints have significantly reduced in the current reporting period and demonstrates the positive relationship the Company has built and continues to maintain with the community.

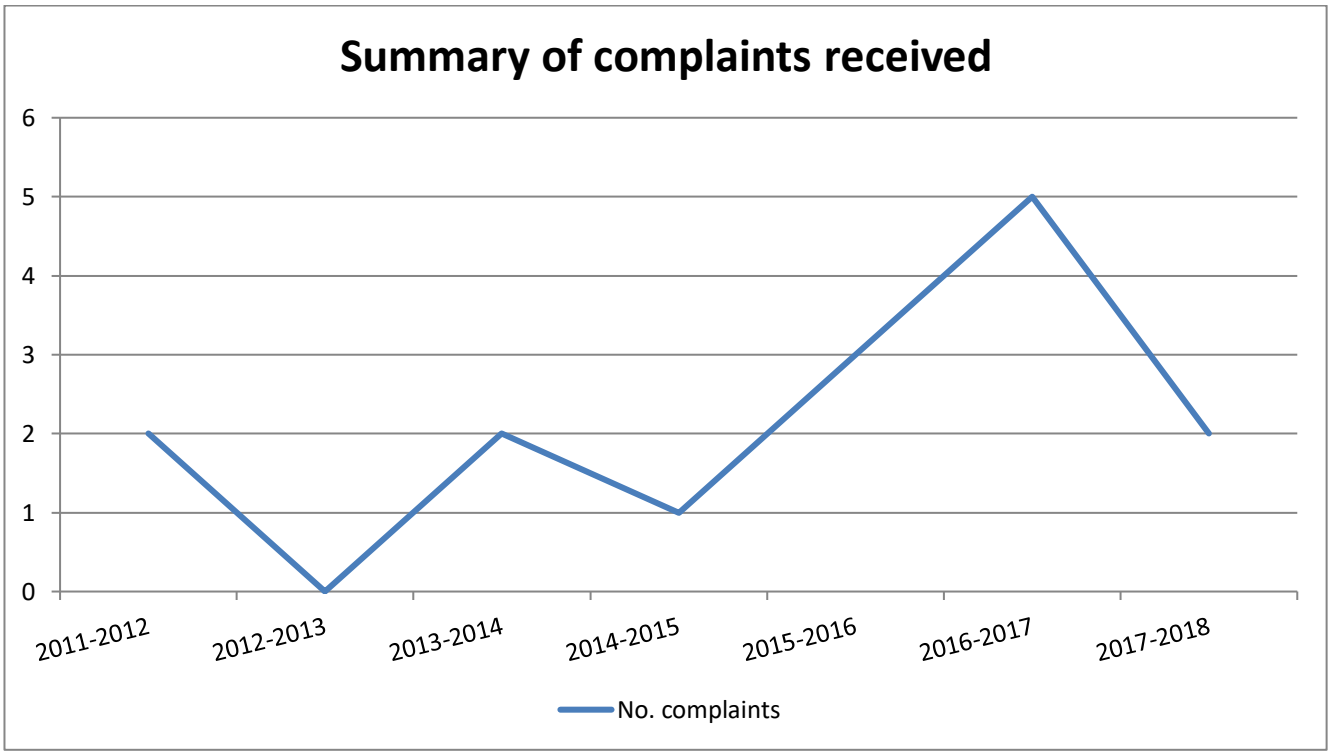

Figure 5.1.1 Summary of complaints received for the life of the Hera Mine

5.2 Community Liaison

Hera Mine recognizes its responsibilities as a member of the Nymagee and surrounding region and demonstrates this through a range of community contacts, provisions and interactions. Summary of this involvement is presented in **Table 5.2.1**.

Table 5.2.1 Summary of the Company's involvement with the Nymagee and surrounds community.

Forum	Contribution
Nymagee and surrounds	• Hera Mine is one of the largest employers in the local regions and recognizes this by employing local residents where possible and sourcing contractors from the local region; • Regular attendance to the Nymagee Progress Association which is held on a monthly basis; • Hosted a stall at the 2017 Nymagee Flower Show; • Company staff members regularly attend the Nymagee tennis social competition; • Assistance at the 2018 Nymagee Town Working-bee to assist with beautifying the town; and • Regular attendance to the Cobar Local Emergency Management Committee held on a quarterly basis.
Financial contribution	• Nymagee Christmas Tree; • Nymagee Progress Association; • Nymagee Gymkhana; • Sealing of the Nymagee-Hermidale Road; and • Nymagee Country Women's Association.
Community Consultative Committee (CCC) Meetings	Hera Mine host a community meeting on a regular basis. The meeting is attended by community representatives to discuss environmental and operational progress of the mine and provides an opportunity to discuss any concerns the community may have.
Company website	The Company operate and update a website where it provides operational, environmental and cash flow reports, environmental monitoring data, management plans and independent audits.

6 Rehabilitation

6.1 Buildings

No buildings were rehabilitated during the reporting period.

6.2 Rehabilitation of disturbed land

Hera mine has only disturbed land directly required for mining operations. Therefore, no significant rehabilitation of disturbed land is planned until mine closure. However, where possible small sections of disturbed land are rehabilitated as required (e.g. unused roads are closed and ripped).

6.3 Other Infrastructure

Upon completion of exploration drilling, disturbed sites are rehabilitated. Other mine infrastructure (e.g. boundary fencing, bunds, water storages, etc.) are rehabilitated as required.

6.4 Rehabilitation Trials and Research

During the reporting period the Company conducted TSF column trials with the expert assistance of SGM Environmental. The trials were designed to determine the most appropriate cap thickness on the TSF upon mine closure. The trials were completed under controlled conditions due to the lack of suitable surface on the TSF.

The trails were setup in three IBCs (**Figure 6.4.1**) and simulated rainfall was applied until the trials reached saturation point. Each trial contained tailings and a different thickness cap (0.2m, 0.4m and 0.6m). The trials indicated that the 0.6m cap was most suitable for rehabilitation purposes. Full details of the trials have been provided in **Appendix 10.8**.

Figure 6.4.1 The three column trials following a wetting event.

6.5 Further Development of the Final Rehabilitation Plan

A summary of rehabilitation activities is provided in **Table 6.5.1**. The current MOP is applicable until 2022. The final rehabilitation plan will be addressed in future MOPs.

Table 6.5.1 Summary of rehabilitation activities

		Area Affected/ Rehabilitated (hectare (ha))		
		To Date	**Last Report**	**Next Report**
A	**Mining Lease Area**			
	ML1686	1307.9	1307.9	**1307.9**
	ML1746	61.8	0	**61.8**
	TOTAL	1369.7	1307.9	**1369.7**
B	**Disturbed Areas**			
B1	- Infrastructure	12.1	12.1	12.1
B2	- Active Mining	underground	Underground	underground
B3	- Waste	0.6	0.6	0.6
B4	- Tailings	29.4	29.4	45.6
	- Water Management Areas	11.9	11.9	11.9
	- Stockpiled Material (topsoil and subsoil)	8	5	8
C	**Rehabilitation**			
C1	Total rehabilitated area	0	0	0
D	**Rehabilitation on Slopes**			
D1	10 to 18 degrees	0	0	0
D2	Greater than 18 degrees	0	0	0
E	**Surface of Rehabilitated Land**			
E1	Pasture and Grasses	1	1	1
E2	Native Forest	0	0	0
E3	Plantation/crops	0	0	0
E4	**Other**	**0**	**0**	0

7 Independent Audit

The last Independent Environmental Audit was conducted in 2017. The next audit is scheduled for the second half of 2019.

8 Incidents and non-compliances during the reporting period

All incidents and non-compliances have been addressed elsewhere in this document, particularly Section 4.

Schedule 5, Condition 7 indicates the Company must provide a written report within seven days of the incident. Unfortunately, there are instances when the Company may not become aware of an incident for more than 30 days. Therefore, it is not possible for the Company to achieve compliance to this condition in its current form. The Company hopes to change the working of this condition when / if it applies for a modification in the future.

9 Activities Proposed in the next AEMR Period

9.1 Summary

Activities proposed for the next AEMR reporting period are expected to require some adjustments to the MOP. Proper approvals and planning will be conducted before deviating from the MOP. **Table 6.1.1** is a summary of proposed activities for the next AEMR reporting period

Table 9.1.1 Activities proposed for the next AEMR reporting period.

Proposed activity	Status	Comments
Converting the Biodiversity Offset property from WLL to freehold.	In progress	
Management of weeds and pests at Hera Mine.	In progress	Investigating best options for biodiversity management.
Rehabilitation of the area at Back Tank East and installation of water diversion drains and water spreading banks.	In progress	
Tailings column trials to continue under natural conditions. No areas suitable for field trials have been identified on the TSF to date due to transitioning from paddock style deposition to central discharge.	In progress	Trials are expected to take approximately 12 months.

10 Appendices

10.1 Building Certificate 2017/2018:001

See attached

10.2 Water quality results for the reporting period as required by PA 10_0191 Schedule 3, Condition 18 and 19.

Date	WAD Cyanide		Comments
	Process Water Dam (mg/L)	TSF (mg/L)	
1/07/2017	0	NR	Reported to DPE EPA DRE 24 Jul 17
2/07/2017	0	0	
3/07/2017	0	0	
4/07/2017	0	0	
5/07/2017	0	0	
6/07/2017	0	0	
7/07/2017	0	0	
8/07/2017	0	0	
9/07/2017	0	0	
10/07/2017	0	0	
11/07/2017	0	0	
12/07/2017	0	0	
13/07/2017	0	0	
14/07/2017	0	0	
15/07/2017	0	0	
16/07/2017	0	0	
17/07/2017	0	0	
18/07/2017	0	0	
19/07/2017	0	0	
20/07/2017	0	0	
21/07/2017	0	0	
22/07/2017	0	0	
23/07/2017	0	0	
24/07/2017	30	0	
25/07/2017	0	0	
26/07/2017	0	No flow	Plant shutdown, no discharge
27/07/2017	0	0	
28/07/2017	0	0	
29/07/2017	0	0	
30/07/2017	0	0	
31/07/2017	0	0	
1/08/2017	0	0	
2/08/2017	0	0	
3/08/2017	0	0	
4/08/2017	0	0	
5/08/2017	0	0	
6/08/2017	0	0	
7/08/2017	0	0	
8/08/2017	0	0	
9/08/2017	0	0	

10/08/2017	0	0	
11/08/2017	0	0	
12/08/2017	0	0	
13/08/2017	0	0	
14/08/2017	0	0	
15/08/2017	0	0	
16/08/2017	0	0	
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23/08/2017	0	0	
24/08/2017	0	0	
25/08/2017	0	0	
26/08/2017	0	0	
27/08/2017	0	0	
28/08/2017	0	NR	Reported to DPE EPA DRE 15 Sep 17
29/08/2017	NR	NR	Reported to DPE EPA DRE 15 Sep 17
30/08/2017	NR	NR	Reported to DPE EPA DRE 15 Sep 17
31/08/2017	NR	3	Reported to DPE EPA DRE 15 Sep 17
1/09/2017	5	2	
2/09/2017	5	2	
3/09/2017	5	1	
4/09/2017	2	0	
5/09/2017	2	0	
6/09/2017	0	0	
7/09/2017	2	1	
8/09/2017	1	10	
9/09/2017	15	12	Reported to DPE EPA DRE 15 Sep 17
10/09/2017	12	0	
11/09/2017	0	0	
12/09/2017	0	0	
13/09/2017	0	0	
14/09/2017	0	0	
15/09/2017	0	0	
16/09/2017	0	0	
17/09/2017	5	5	
18/09/2017	0	0	
19/09/2017	0	0	
20/09/2017	0	5	
21/09/2017	5	0	
22/09/2017	0	4	
23/09/2017	4	2	
24/09/2017	2	4	

25/09/2017	6	5	
26/09/2017	5	1	
27/09/2017	1	0	
28/09/2017	0	0	
29/09/2017	0	0	
30/09/2017	0	0	
1/10/2017	10	0	
2/10/2017	0	0	
3/10/2017	0	0	
4/10/2017	0	1	
5/10/2017	1	0	
6/10/2017	0	0	
7/10/2017	0	0	
8/10/2017	0	0	
9/10/2017	0	0	
10/10/2017	0	1	
11/10/2017	1	10	
12/10/2017	0	0	
13/10/2017	0	0	
14/10/2017	10	0	
15/10/2017	50	0	Reported to EPA, DPE, DRG 1/11/2017
16/10/2017	10	0	
17/10/2017	0	0	
18/10/2017	0	0	
19/10/2017	20	0	
20/10/2017	15	0	
21/10/2017	1	0	
22/10/2017	0	0	
23/10/2017	0	0	
24/10/2017	No flow	No flow	Plant shutdown, no discharge
25/10/2017	No flow	No flow	Plant shutdown, no discharge
26/10/2017	No flow	No flow	Plant shutdown, no discharge
27/10/2017	5	0	
28/10/2017	0	NR	Reported to EPA, DPE, DRG 1/11/2017
29/10/2017	0	0	
30/10/2017	0	0	
31/10/2017	0	0	
1/11/2017	0	0	
2/11/2017	0	0	
3/11/2017	2	2	
4/11/2017	2	2	
5/11/2017	2	2	
6/11/2017	1	2	
7/11/2017	1	2	
8/11/2017	1	1	
9/11/2017	0	0	

10/11/2017	5	0	
11/11/2017	0	0	
12/11/2017	0	0	
13/11/2017	0	0	
14/11/2017	5	0	
15/11/2017	0	0	
16/11/2017	0	0	
17/11/2017	0	0	
18/11/2017	2	0	
19/11/2017	1	1	
20/11/2017	1	1	
21/11/2017	1	1	
22/11/2017	0	0	
23/11/2017	0	0	
24/11/2017	0	0	
25/11/2017	0	0	
26/11/2017	0	0	
27/11/2017	0	0	
28/11/2017	0	30	Reported to EPA, DPE, DRG 30/11/2017
29/11/2017	0	0	
30/11/2017	1	1	
1/12/2017	0	0	
2/12/2017	1	1	
3/12/2017	1	1	
4/12/2017	1	1	
5/12/2017	1	1	
6/12/2017	1	1	
7/12/2017	0	0	
8/12/2017	0	0	
9/12/2017	0	0	
10/12/2017	0	0	
11/12/2017	0	0	
12/12/2017	0	0	
13/12/2017	1	1	
14/12/2017	1	1	
15/12/2017	1	1	
16/12/2017	0	0	
17/12/2017	0	0	
18/12/2017	0	0	
19/12/2017	0	0	
20/12/2017	0	0	
21/12/2017	0	0	
22/12/2017	0	0	
23/12/2017	0	0	
24/12/2017	0	0	
25/12/2017	0	0	

26/12/2017	0	20	Reported to EPA, DPE, DRG 9/01/2018
27/12/2017	0	0	
28/12/2017	1	1	
29/12/2017	1	1	
30/12/2017	1	1	
31/12/2017	0	1	
1/01/2018	0	0	
2/01/2018	0	1	
3/01/2018	1	1	
4/01/2018	0	0	
5/01/2018	0	0	
6/01/2018	20	0	
7/01/2018	0	0	
8/01/2018	5	0	
9/01/2018	0	0	
10/01/2018	0	0	
11/01/2018	1	1	
12/01/2018	1	1	
13/01/2018	0	0	
14/01/2018	250	1	Reported to EPA, DPE, DRG 14/01/2018
15/01/2018	NR	NR	Plant shutdown due to WAD cyanide incident 14/01/2018
16/01/2018	NR	NR	Plant shutdown due to WAD cyanide incident 14/01/2018
17/01/2018	NR	NR	Plant shutdown due to WAD cyanide incident 14/01/2018
18/01/2018	NR	NR	Plant shutdown due to WAD cyanide incident 14/01/2018
19/01/2018	15	10	
20/01/2018	5	8	
21/01/2018	5	5	
22/01/2018	0	0	
23/01/2018	5	5	
24/01/2018	0	0	
25/01/2018	0	0	
26/01/2018	5	0	
27/01/2018	0	0	
28/01/2018	0	0	
29/01/2018	0	10	
30/01/2018	5	5	
31/01/2018	0	0	
1/02/2018	0	0	
2/02/2018	10	0	
3/02/2018	0	0	
4/02/2018	0	0	
5/02/2018	0	0	

6/02/2018	0	0	
7/02/2018	0	0	
8/02/2018	0	0	
9/02/2018	5	5	
10/02/2018	0	10	
11/02/2018	0	0	
12/02/2018	0	0	
13/02/2018	0	0	
14/02/2018	0	0	
15/02/2018	0	0	
16/02/2018	0	0	
17/02/2018	0	0	
18/02/2018	0	0	
19/02/2018	0	0	
20/02/2018	10	10	
21/02/2018	0	0	
22/02/2018	0	0	
23/02/2018	1	1	
24/02/2018	5	5	
25/02/2018	1	1	
26/02/2018	5	0	
27/02/2018	0	0	
28/02/2018	0	0	
1/03/2018	10	0	
2/03/2018	0	0	
3/03/2018	5	10	
4/03/2018	0	0	
5/03/2018	0	0	
6/03/2018	0	0	
7/03/2018	5	0	
8/03/2018	0	0	
9/03/2018	0	0	
10/03/2018	0	0	
11/03/2018	0	0	
12/03/2018	0	0	
13/03/2018	1	1	
14/03/2018	1	1	
15/03/2018	0	0	
16/03/2018	10	0	
17/03/2018	0	0	
18/03/2018	0	0	
19/03/2018	10	0	
20/03/2018	0	0	
21/03/2018	10	0	
22/03/2018	0	0	
23/03/2018	0	0	

24/03/2018	0	0	
25/03/2018	1	1	
26/03/2018	0	0	
27/03/2018	0	0	
28/03/2018	0	0	
29/03/2018	0	0	
30/03/2018	0	0	
31/03/2018	0	10	
1/04/2018	0	0	
2/04/2018	0	5	
3/04/2018	10	10	
4/04/2018	0	0	
5/04/2018	0	0	
6/04/2018	0	0	
7/04/2018	5	0	
8/04/2018	0	0	
9/04/2018	0	0	
10/04/2018	0	0	
11/04/2018	0	0	
12/04/2018	0	No flow	Plant shutdown, no discharge
13/04/2018	10	10	
14/04/2018	10	10	
15/04/2018	10	10	
16/04/2018	0	10	
17/04/2018	0	0	
18/04/2018	0	0	
19/04/2018	5	0	
20/04/2018	0	0	
21/04/2018	0	0	
22/04/2018	0	0	
23/04/2018	0	No flow	Plant shutdown, no discharge
24/04/2018	0	NR	Reported to DPE, EPA, DRG on 27 Apr 2018
25/04/2018	100	100	Reported to DPE, EPA, DRG on 27 Apr 2018
26/04/2018	40	10	Reported to DPE, EPA, DRG on 27 Apr 2018
27/04/2018	0	0	
28/04/2018	10	0	
29/04/2018	0	0	
30/04/2018	0	0	

* NR = No Result

10.3 Hera Mine and 'Chelsea' Biodiversity Offset Area, 2017.

See attached

10.4 Approval Letter from Division of Resources and Geoscience for Rehabilitation Management Plan

See attached

10.5 Noxious weeds inspection report from Cobar Shire Council.

See attached

10.6 Blast vibration and overpressure for the reporting period as required by PA 10_0191 Schedule 3, Condition 4 and EPL 20189 Condition L5.1.

Date	Time	Period	Limit (mm/s)	Blast Vibration (mm/s)	Comments
Tuesday, 2 May 2017	14:30	Day	5	<0.35	
Wednesday, 3 May 2017	8:00	Day	5	<0.35	
Wednesday, 3 May 2017	8:00	Day	5	<0.35	
Thursday, 4 May 2017	6:45	Night	1	<0.35	
Thursday, 4 May 2017	14:00	Day	5	<0.35	
Friday, 5 May 2017	6:45	Night	1	<0.35	
Friday, 5 May 2017	6:45	Night	1	<0.35	
Friday, 5 May 2017	6:45	Night	1	<0.35	
Saturday, 6 May 2017	18:40	Evening	2	<0.35	
Sunday, 7 May 2017	12:35	Sunday	1	<0.35	
Monday, 8 May 2017	21:00	Evening	2	0.425	
Thursday, 11 May 2017	18:40	Evening	2	<0.35	
Friday, 12 May 2017	6:45	Night	1	<0.35	
Friday, 12 May 2017	6:45	Night	1	<0.35	
Saturday, 13 May 2017	6:45	Night	1	<0.35	
Sunday, 14 May 2017	6:45	Sunday	1	<0.35	
Monday, 15 May 2017	6:45	Night	1	<0.35	
Monday, 15 May 2017	6:45	Night	1	<0.35	
Monday, 15 May 2017	18:20	Evening	2	<0.35	
Tuesday, 16 May 2017	6:45	Night	1	<0.35	
Wednesday, 17 May 2017	6:45	Night	1	<0.35	
Wednesday, 17 May 2017	6:45	Night	1	<0.35	
Thursday, 18 May 2017	6:30	Night	1	<0.35	
Thursday, 18 May 2017	6:30	Night	1	<0.35	
Thursday, 18 May 2017	19:00	Evening	2	<0.35	
Friday, 19 May 2017	6:00	Night	1	<0.35	
Saturday, 20 May 2017	6:50	Night	1	<0.35	
Saturday, 20 May 2017	6:50	Night	1	<0.35	
Saturday, 20 May 2017	6:50	Night	1	<0.35	
Saturday, 20 May 2017	18:30	Evening	2	<0.35	
Sunday, 21 May 2017	6:45	Sunday	1	<0.35	
Monday, 22 May 2017	6:45	Night	1	<0.35	
Monday, 22 May 2017	6:45	Night	1	<0.35	
Monday, 22 May 2017	19:00	Evening	2	<0.35	
Tuesday, 23 May 2017	7:00	Day	5	<0.35	
Tuesday, 23 May 2017	7:00	Day	5	<0.35	
Wednesday, 24 May 2017	6:00	Night	1	<0.35	
Wednesday, 24 May 2017	7:00	Day	5	<0.35	
Wednesday, 24 May 2017	7:00	Day	5	<0.35	

Thursday, 25 May 2017	6:30	Night	1	<0.35	
Thursday, 25 May 2017	20:00	Evening	2	<0.35	
Friday, 26 May 2017	8:30	Day	5	<0.35	
Friday, 26 May 2017	8:30	Day	5	<0.35	
Saturday, 27 May 2017	6:30	Night	1	<0.35	
Saturday, 27 May 2017	6:30	Night	1	<0.35	
Saturday, 27 May 2017	14:00	Day	5	<0.35	
Saturday, 27 May 2017	18:45	Evening	2	<0.35	
Saturday, 27 May 2017	18:45	Evening	2	<0.35	
Sunday, 28 May 2017	7:00	Sunday	1	<0.35	
Sunday, 28 May 2017	18:30	Sunday	1	<0.35	
Monday, 29 May 2017	7:00	Day	5	<0.35	
Monday, 29 May 2017	7:00	Day	5	<0.35	
Monday, 29 May 2017	7:00	Day	5	<0.35	
Tuesday, 30 May 2017	7:00	Day	5	<0.35	
Tuesday, 30 May 2017	7:00	Day	5	<0.35	
Tuesday, 30 May 2017	18:53	Evening	2	<0.35	
Wednesday, 31 May 2017	6:00	Night	1	<0.35	
Wednesday, 31 May 2017	6:00	Night	1	<0.35	
Thursday, 1 June 2017	18:30	Evening	2	<0.35	
Thursday, 1 June 2017	18:30	Evening	2	<0.35	
Friday, 2 June 2017	18:40	Evening	2	<0.35	
Friday, 2 June 2017	18:40	Evening	2	<0.35	
Saturday, 3 June 2017	18:30	Evening	2	<0.35	
Monday, 5 June 2017	6:45	Night	1	<0.35	
Monday, 5 June 2017	6:45	Night	1	<0.35	
Tuesday, 6 June 2017	6:45	Night	1	<0.35	
Wednesday, 7 June 2017	6:45	Night	1	<0.35	
Wednesday, 7 June 2017	18:45	Evening	2	<0.35	
Thursday, 8 June 2017	6:45	Night	1	<0.35	
Thursday, 8 June 2017	6:45	Night	1	<0.35	
Thursday, 8 June 2017	18:40	Evening	2	<0.35	
Friday, 9 June 2017	6:45	Night	1	<0.35	
Friday, 9 June 2017	6:45	Night	1	<0.35	
Saturday, 10 June 2017	6:45	Night	1	<0.35	
Saturday, 10 June 2017	6:45	Night	1	<0.35	
Sunday, 11 June 2017	6:45	Sunday	1	<0.35	
Sunday, 11 June 2017	6:45	Sunday	1	<0.35	
Monday, 12 June 2017	6:45	PH	1	<0.35	
Monday, 12 June 2017	6:45	PH	1	<0.35	
Tuesday, 13 June 2017	6:45	Night	1	<0.35	
Tuesday, 13 June 2017	6:45	Night	1	<0.35	
Wednesday, 14 June 2017	6:45	Night	1	<0.35	
Wednesday, 14 June 2017	6:45	Night	1	<0.35	

Wednesday, 14 June 2017	18:30	Evening	2	<0.35	
Thursday, 15 June 2017	18:30	Evening	2	<0.35	
Friday, 16 June 2017	18:30	Evening	2	<0.35	
Friday, 16 June 2017	18:30	Evening	2	<0.35	
Friday, 16 June 2017	18:30	Evening	2	<0.35	
Saturday, 17 June 2017	18:30	Evening	2	0.463	
Saturday, 17 June 2017	18:30	Evening	2	0.463	
Saturday, 17 June 2017	18:30	Evening	2	0.463	
Sunday, 18 June 2017	18:30	Sunday	1	<0.35	
Sunday, 18 June 2017	18:30	Sunday	1	<0.35	
Sunday, 18 June 2017	18:30	Sunday	1	<0.35	
Monday, 19 June 2017	18:30	Evening	2	<0.35	
Monday, 19 June 2017	18:30	Evening	2	<0.35	
Tuesday, 20 June 2017	18:28	Evening	2	<0.35	
Tuesday, 20 June 2017	18:30	Evening	2	<0.35	
Tuesday, 20 June 2017	18:30	Evening	2	<0.35	
Thursday, 22 June 2017	6:30	Night	1	<0.35	
Thursday, 22 June 2017	6:30	Night	1	<0.35	
Thursday, 22 June 2017	18:30	Evening	2	<0.35	
Friday, 23 June 2017	6:30	Night	1	<0.35	
Friday, 23 June 2017	18:45	Evening	2	<0.35	
Sunday, 25 June 2017	8:00	Sunday	1	<0.35	
Sunday, 25 June 2017	19:00	Sunday	1	<0.35	
Monday, 26 June 2017	7:00	Day	5	<0.35	
Monday, 26 June 2017	7:00	Day	5	<0.35	
Monday, 26 June 2017	18:30	Evening	2	<0.35	
Tuesday, 27 June 2017	13:30	Day	5	<0.35	
Wednesday, 28 June 2017	6:00	Night	1	<0.35	
Wednesday, 28 June 2017	6:00	Night	1	<0.35	
Wednesday, 28 June 2017	6:55	Night	1	<0.35	
Wednesday, 28 June 2017	6:55	Night	1	<0.35	
Wednesday, 28 June 2017	16:45	Day	5	<0.35	
Wednesday, 28 June 2017	18:45	Evening	2	<0.35	
Wednesday, 28 June 2017	18:45	Evening	2	<0.35	
Thursday, 29 June 2017	19:00	Evening	2	<0.35	
Thursday, 29 June 2017	19:00	Evening	2	<0.35	
Thursday, 29 June 2017	19:00	Evening	2	<0.35	
Friday, 30 June 2017	6:45	Night	1	<0.35	
Friday, 30 June 2017	6:45	Night	1	<0.35	
Saturday, 1 July 2017	6:45	Night	1	<0.35	
Sunday, 2 July 2017	6:45	Sunday	1	<0.35	
Sunday, 2 July 2017	16:45	Sunday	1	<0.35	
Sunday, 2 July 2017	18:45	Sunday	1	<0.35	
Sunday, 2 July 2017	18:45	Sunday	1	<0.35	

Sunday, 2 July 2017	18:45	Sunday	1	<0.35	
Monday, 3 July 2017	19:00	Evening	2	<0.35	
Monday, 3 July 2017	21:30	Evening	2	<0.35	
Tuesday, 4 July 2017	18:30	Evening	2	<0.35	
Tuesday, 4 July 2017	18:30	Evening	2	<0.35	
Wednesday, 5 July 2017	13:00	Day	5	<0.35	
Wednesday, 5 July 2017	13:00	Day	5	<0.35	
Thursday, 6 July 2017	7:00	Day	5	<0.35	
Friday, 7 July 2017	7:00	Day	5	<0.35	
Saturday, 8 July 2017	7:00	Day	5	<0.35	
Saturday, 8 July 2017	7:00	Day	5	<0.35	
Sunday, 9 July 2017	7:00	Sunday	1	<0.35	
Sunday, 9 July 2017	7:00	Sunday	1	<0.35	
Monday, 10 July 2017	6:27	Night	1	<0.35	
Monday, 10 July 2017	7:00	Day	5	<0.35	
Monday, 10 July 2017	7:00	Day	5	<0.35	
Monday, 10 July 2017	19:00	Evening	2	<0.35	
Tuesday, 11 July 2017	7:00	Day	5	<0.35	
Tuesday, 11 July 2017	7:00	Day	5	<0.35	
Tuesday, 11 July 2017	18:30	Evening	2	<0.35	
Wednesday, 12 July 2017	7:00	Day	5	<0.35	
Wednesday, 12 July 2017	7:00	Day	5	<0.35	
Wednesday, 12 July 2017	18:45	Evening	2	<0.35	
Thursday, 13 July 2017	1:00	Night	1	<0.35	
Thursday, 13 July 2017	18:45	Evening	2	<0.35	
Thursday, 13 July 2017	18:45	Evening	2	<0.35	
Friday, 14 July 2017	13:00	Day	5	<0.35	
Friday, 14 July 2017	18:45	Evening	2	<0.35	
Sunday, 16 July 2017	13:00	Sunday	1	<0.35	
Monday, 17 July 2017	1:00	Night	1	<0.35	
Monday, 17 July 2017	18:30	Evening	2	<0.35	
Tuesday, 18 July 2017	0:15	Night	1	<0.35	
Tuesday, 18 July 2017	18:45	Evening	2	<0.35	
Thursday, 20 July 2017	12:30	Day	5	<0.35	
Thursday, 20 July 2017	18:30	Evening	2	<0.35	
Thursday, 20 July 2017	23:00	Night	1	<0.35	
Friday, 21 July 2017	18:30	Evening	2	<0.35	
Friday, 21 July 2017	18:30	Evening	2	<0.35	
Friday, 21 July 2017	22:00	Night	1	<0.35	
Saturday, 22 July 2017	18:30	Evening	2	<0.35	
Sunday, 23 July 2017	6:30	Sunday	1	<0.35	
Sunday, 23 July 2017	18:30	Sunday	1	<0.35	
Sunday, 23 July 2017	18:30	Sunday	1	<0.35	
Monday, 24 July 2017	6:30	Night	1	<0.35	

Tuesday, 25 July 2017	6:30	Night	1	<0.35	
Tuesday, 25 July 2017	6:30	Night	1	<0.35	
Tuesday, 25 July 2017	6:30	Night	1	<0.35	
Wednesday, 26 July 2017	18:45	Evening	2	<0.35	
Thursday, 27 July 2017	6:30	Night	1	<0.35	
Thursday, 27 July 2017	6:30	Night	1	<0.35	
Thursday, 27 July 2017	6:30	Night	1	<0.35	
Thursday, 27 July 2017	6:30	Night	1	<0.35	
Thursday, 27 July 2017	18:45	Evening	2	<0.35	
Thursday, 27 July 2017	18:45	Evening	2	<0.35	
Friday, 28 July 2017	6:45	Night	1	<0.35	
Friday, 28 July 2017	6:45	Night	1	<0.35	
Friday, 28 July 2017	19:00	Evening	2	<0.35	
Friday, 28 July 2017	19:00	Evening	2	<0.35	
Saturday, 29 July 2017	6:45	Night	1	<0.35	
Saturday, 29 July 2017	6:45	Night	1	<0.35	
Saturday, 29 July 2017	11:15	Day	5	<0.35	
Saturday, 29 July 2017	18:38	Evening	2	<0.35	
Sunday, 30 July 2017	7:00	Sunday	1	<0.35	
Sunday, 30 July 2017	7:00	Sunday	1	<0.35	
Sunday, 30 July 2017	7:00	Sunday	1	<0.35	
Sunday, 30 July 2017	18:45	Sunday	1	<0.35	
Sunday, 30 July 2017	18:45	Sunday	1	<0.35	
Monday, 31 July 2017	7:00	Day	5	<0.35	
Monday, 31 July 2017	7:00	Day	5	<0.35	
Monday, 31 July 2017	18:38	Evening	2	<0.35	
Monday, 31 July 2017	19:00	Evening	2	<0.35	
Tuesday, 1 August 2017	7:00	Day	5	<0.35	
Tuesday, 1 August 2017	7:00	Day	5	<0.35	
Tuesday, 1 August 2017	19:00	Evening	2	<0.35	
Tuesday, 1 August 2017	19:00	Evening	2	<0.35	
Tuesday, 1 August 2017	19:00	Evening	2	<0.35	
Wednesday, 2 August 2017	18:15	Evening	2	<0.35	
Thursday, 3 August 2017	13:00	Day	5	<0.35	
Thursday, 3 August 2017	18:15	Evening	2	<0.35	
Thursday, 3 August 2017	18:15	Evening	2	<0.35	
Friday, 4 August 2017	19:00	Evening	2	<0.35	
Friday, 4 August 2017	19:00	Evening	2	<0.35	
Saturday, 5 August 2017	7:00	Day	5	<0.35	
Saturday, 5 August 2017	7:00	Day	5	<0.35	
Saturday, 5 August 2017	18:30	Evening	2	<0.35	
Saturday, 5 August 2017	18:30	Evening	2	<0.35	
Sunday, 6 August 2017	7:00	Sunday	1	<0.35	
Sunday, 6 August 2017	7:00	Sunday	1	<0.35	

Sunday, 6 August 2017	18:30	Sunday	1	<0.35	
Sunday, 6 August 2017	18:30	Sunday	1	<0.35	
Monday, 7 August 2017	7:00	Day	5	<0.35	
Monday, 7 August 2017	7:00	Day	5	<0.35	
Monday, 7 August 2017	7:00	Day	5	<0.35	
Monday, 7 August 2017	18:30	Evening	2	<0.35	
Monday, 7 August 2017	18:30	Evening	2	<0.35	
Tuesday, 8 August 2017	7:00	Day	5	<0.35	
Tuesday, 8 August 2017	19:00	Evening	2	<0.35	
Tuesday, 8 August 2017	19:00	Evening	2	<0.35	
Tuesday, 8 August 2017	23:30	Night	1	<0.35	
Wednesday, 9 August 2017	7:00	Day	5	<0.35	
Wednesday, 9 August 2017	18:30	Evening	2	<0.35	
Thursday, 10 August 2017	7:00	Day	5	<0.35	
Saturday, 12 August 2017	7:15	Day	5	<0.35	
Saturday, 12 August 2017	18:30	Evening	2	<0.35	
Sunday, 13 August 2017	7:00	Sunday	1	<0.35	
Sunday, 13 August 2017	11:30	Sunday	1	<0.35	
Sunday, 13 August 2017	18:30	Sunday	1	<0.35	
Monday, 14 August 2017	6:30	Night	1	<0.35	
Monday, 14 August 2017	6:30	Night	1	<0.35	
Tuesday, 15 August 2017	0:00	Night	1	<0.35	
Tuesday, 15 August 2017	7:00	Day	5	<0.35	
Tuesday, 15 August 2017	7:00	Day	5	<0.35	
Tuesday, 15 August 2017	19:00	Evening	2	<0.35	
Tuesday, 15 August 2017	19:00	Evening	2	<0.35	
Wednesday, 16 August 2017	7:00	Day	5	<0.35	
Thursday, 17 August 2017	6:45	Night	1	<0.35	
Thursday, 17 August 2017	6:45	Night	1	<0.35	
Thursday, 17 August 2017	6:45	Night	1	<0.35	
Friday, 18 August 2017	7:00	Day	5	<0.35	
Friday, 18 August 2017	7:00	Day	5	<0.35	
Friday, 18 August 2017	7:00	Day	5	<0.35	
Saturday, 19 August 2017	7:50	Day	5	<0.35	
Saturday, 19 August 2017	7:50	Day	5	<0.35	
Saturday, 19 August 2017	7:50	Day	5	<0.35	
Sunday, 20 August 2017	1:00	Sunday	1	<0.35	
Sunday, 20 August 2017	1:00	Sunday	1	<0.35	
Sunday, 20 August 2017	7:00	Sunday	1	1.628	Reported to DPE, EPA
Sunday, 20 August 2017	7:00	Sunday	1	1.628	Reported to DPE, EPA
Monday, 21 August 2017	7:00	Day	5	<0.35	
Monday, 21 August 2017	7:00	Day	5	<0.35	
Monday, 21 August 2017	7:00	Day	5	<0.35	
Tuesday, 22 August 2017	6:45	Night	1	<0.35	

Tuesday, 22 August 2017	6:45	Night	1	<0.35	
Tuesday, 22 August 2017	6:45	Night	1	<0.35	
Wednesday, 23 August 2017	6:30	Night	1	<0.35	
Wednesday, 23 August 2017	6:30	Night	1	<0.35	
Wednesday, 23 August 2017	6:30	Night	1	<0.35	
Wednesday, 23 August 2017	18:45	Evening	2	<0.35	
Thursday, 24 August 2017	18:45	Evening	2	<0.35	
Thursday, 24 August 2017	18:45	Evening	2	<0.35	
Friday, 25 August 2017	18:45	Evening	2	<0.35	
Friday, 25 August 2017	18:45	Evening	2	<0.35	
Friday, 25 August 2017	18:45	Evening	2	<0.35	
Saturday, 26 August 2017	18:30	Evening	2	<0.35	
Saturday, 26 August 2017	18:30	Evening	2	<0.35	
Saturday, 26 August 2017	18:30	Evening	2	<0.35	
Sunday, 27 August 2017	18:45	Sunday	1	<0.35	
Sunday, 27 August 2017	18:45	Sunday	1	<0.35	
Sunday, 27 August 2017	18:45	Sunday	1	<0.35	
Sunday, 27 August 2017	18:45	Sunday	1	<0.35	
Monday, 28 August 2017	18:45	Evening	2	<0.35	
Monday, 28 August 2017	18:45	Evening	2	<0.35	
Monday, 28 August 2017	18:45	Evening	2	<0.35	
Tuesday, 29 August 2017	18:45	Evening	2	<0.35	
Tuesday, 29 August 2017	18:45	Evening	2	<0.35	
Tuesday, 29 August 2017	18:45	Evening	2	<0.35	
Wednesday, 30 August 2017	18:00	Evening	2	<0.35	
Thursday, 31 August 2017	18:30	Evening	2	<0.35	
Thursday, 31 August 2017	18:30	Evening	2	<0.35	
Friday, 1 September 2017	6:45	Night	1	<0.35	
Friday, 1 September 2017	18:30	Evening	2	<0.35	
Friday, 1 September 2017	18:30	Evening	2	<0.35	
Friday, 1 September 2017	18:30	Evening	2	<0.35	
Saturday, 2 September 2017	6:30	Night	1	<0.35	
Saturday, 2 September 2017	18:30	Evening	2	<0.35	
Saturday, 2 September 2017	18:30	Evening	2	<0.35	
Saturday, 2 September 2017	18:30	Evening	2	<0.35	
Sunday, 3 September 2017	6:45	Sunday	1	<0.35	
Sunday, 3 September 2017	18:20	Sunday	1	<0.35	
Sunday, 3 September 2017	18:20	Sunday	1	<0.35	
Sunday, 3 September 2017	18:20	Sunday	1	<0.35	
Monday, 4 September 2017	18:45	Evening	2	0.415	
Monday, 4 September 2017	18:45	Evening	2	<0.35	
Tuesday, 5 September 2017	18:30	Evening	2	<0.35	
Tuesday, 5 September 2017	18:30	Evening	2	<0.35	
Tuesday, 5 September 2017	18:30	Evening	2	<0.35	

Tuesday, 5 September 2017	18:30	Evening	2	<0.35	
Wednesday, 6 September 2017	18:45	Evening	2	<0.35	
Thursday, 7 September 2017	13:00	Day	5	<0.35	
Thursday, 7 September 2017	18:30	Evening	2	<0.35	
Thursday, 7 September 2017	18:30	Evening	2	<0.35	
Thursday, 7 September 2017	18:30	Evening	2	<0.35	
Saturday, 9 September 2017	7:30	Day	5	<0.35	
Saturday, 9 September 2017	19:00	Evening	2	<0.35	
Saturday, 9 September 2017	19:00	Evening	2	<0.35	
Sunday, 10 September 2017	18:45	Sunday	1	<0.35	
Sunday, 10 September 2017	18:45	Sunday	1	<0.35	
Sunday, 10 September 2017	18:45	Sunday	1	<0.35	
Monday, 11 September 2017	18:30	Evening	2	<0.35	
Tuesday, 12 September 2017	7:00	Day	5	<0.35	
Tuesday, 12 September 2017	18:45	Evening	2	<0.35	
Tuesday, 12 September 2017	18:45	Evening	2	<0.35	
Tuesday, 12 September 2017	18:45	Evening	2	<0.35	
Thursday, 14 September 2017	19:00	Evening	2	<0.35	
Thursday, 14 September 2017	19:00	Evening	2	<0.35	
Thursday, 14 September 2017	19:00	Evening	2	<0.35	
Thursday, 14 September 2017	19:00	Evening	2	<0.35	
Friday, 15 September 2017	19:00	Evening	2	<0.35	
Friday, 15 September 2017	19:00	Evening	2	<0.35	
Friday, 15 September 2017	19:00	Evening	2	<0.35	
Saturday, 16 September 2017	6:45	Night	1	<0.35	
Saturday, 16 September 2017	14:00	Day	5	0.808	
Saturday, 16 September 2017	14:00	Day	5	0.808	
Saturday, 16 September 2017	14:00	Day	5	0.808	
Saturday, 16 September 2017	14:00	Day	5	0.808	
Saturday, 16 September 2017	14:00	Day	5	0.808	
Sunday, 17 September 2017	2:00	Sunday	1	<0.35	
Sunday, 17 September 2017	19:11	Sunday	1	<0.35	
Sunday, 17 September 2017	19:11	Sunday	1	<0.35	
Sunday, 17 September 2017	19:11	Sunday	1	<0.35	
Sunday, 17 September 2017	19:11	Sunday	1	<0.35	
Monday, 18 September 2017	6:45	Night	1	<0.35	
Monday, 18 September 2017	6:45	Night	1	<0.35	
Monday, 18 September 2017	7:01	Day	5	<0.35	
Monday, 18 September 2017	7:01	Day	5	<0.35	
Monday, 18 September 2017	7:01	Day	5	<0.35	
Tuesday, 19 September 2017	6:45	Night	1	<0.35	
Tuesday, 19 September 2017	6:45	Night	1	<0.35	
Tuesday, 19 September 2017	19:00	Evening	2	<0.35	
Wednesday, 20 September 2017	6:30	Night	1	<0.35	

Wednesday, 20 September 2017	6:30	Night	1	<0.35	
Friday, 22 September 2017	7:00	Day	5	<0.35	
Friday, 22 September 2017	7:00	Day	5	<0.35	
Friday, 22 September 2017	7:00	Day	5	<0.35	
Friday, 22 September 2017	7:00	Day	5	<0.35	
Saturday, 23 September 2017	7:00	Day	5	<0.35	
Saturday, 23 September 2017	7:00	Day	5	<0.35	
Sunday, 24 September 2017	6:45	Sunday	1	<0.35	
Sunday, 24 September 2017	7:00	Sunday	1	<0.35	
Sunday, 24 September 2017	7:00	Sunday	1	<0.35	
Sunday, 24 September 2017	19:00	Sunday	1	<0.35	
Monday, 25 September 2017	7:00	Day	5	<0.35	
Monday, 25 September 2017	7:00	Day	5	<0.35	
Tuesday, 26 September 2017	7:00	Day	5	<0.35	
Tuesday, 26 September 2017	7:00	Day	5	<0.35	
Tuesday, 26 September 2017	19:00	Evening	2	<0.35	
Wednesday, 27 September 2017	7:00	Day	5	<0.35	
Wednesday, 27 September 2017	7:00	Day	5	<0.35	
Wednesday, 27 September 2017	7:00	Day	5	<0.35	
Thursday, 28 September 2017	7:00	Day	5	<0.35	
Thursday, 28 September 2017	19:00	Evening	2	<0.35	
Thursday, 28 September 2017	19:00	Evening	2	<0.35	
Friday, 29 September 2017	19:00	Evening	2	<0.35	
Saturday, 30 September 2017	7:00	Day	5	<0.35	
Saturday, 30 September 2017	7:00	Day	5	<0.35	
Saturday, 30 September 2017	7:00	Day	5	<0.35	
Saturday, 30 September 2017	19:00	Evening	2	<0.35	
Saturday, 30 September 2017	19:00	Evening	2	<0.35	
Sunday, 1 October 2017	7:00	Sunday	1	<0.35	
Sunday, 1 October 2017	7:00	Sunday	1	<0.35	
Sunday, 1 October 2017	19:05	Sunday	1	<0.35	
Monday, 2 October 2017	6:45	PH	1	<0.35	
Monday, 2 October 2017	18:45	PH	1	<0.35	
Tuesday, 3 October 2017	6:44	Night	1	<0.35	
Tuesday, 3 October 2017	6:44	Night	1	<0.35	
Wednesday, 4 October 2017	6:30	Night	1	<0.35	
Wednesday, 4 October 2017	6:30	Night	1	<0.35	
Wednesday, 4 October 2017	7:00	Day	5	<0.35	
Thursday, 5 October 2017	8:00	Day	5	<0.35	
Thursday, 5 October 2017	8:00	Day	5	<0.35	
Thursday, 5 October 2017	8:00	Day	5	<0.35	
Thursday, 5 October 2017	8:00	Day	5	<0.35	
Friday, 6 October 2017	6:50	Night	1	<0.35	
Friday, 6 October 2017	6:50	Night	1	<0.35	

Friday, 6 October 2017	6:50	Night	1	<0.35	
Friday, 6 October 2017	6:50	Night	1	<0.35	
Friday, 6 October 2017	6:50	Night	1	<0.35	
Friday, 6 October 2017	20:00	Evening	2	<0.35	
Saturday, 7 October 2017	6:50	Night	1	<0.35	
Saturday, 7 October 2017	19:00	Evening	2	<0.35	
Saturday, 7 October 2017	19:00	Evening	2	<0.35	
Sunday, 8 October 2017	6:15	Sunday	1	<0.35	
Sunday, 8 October 2017	6:15	Sunday	1	<0.35	
Sunday, 8 October 2017	18:50	Sunday	1	<0.35	
Sunday, 8 October 2017	18:50	Sunday	1	<0.35	
Monday, 9 October 2017	7:10	Day	5	<0.35	
Monday, 9 October 2017	7:10	Day	5	<0.35	
Tuesday, 10 October 2017	6:45	Night	1	<0.35	
Tuesday, 10 October 2017	19:00	Evening	2	<0.35	
Wednesday, 11 October 2017	7:00	Day	5	<0.35	
Wednesday, 11 October 2017	7:00	Day	5	<0.35	
Wednesday, 11 October 2017	18:45	Evening	2	<0.35	
Thursday, 12 October 2017	7:05	Day	5	<0.35	
Thursday, 12 October 2017	18:45	Evening	2	<0.35	
Friday, 13 October 2017	6:30	Night	1	<0.35	
Friday, 13 October 2017	6:30	Night	1	<0.35	
Friday, 13 October 2017	18:45	Evening	2	<0.35	
Saturday, 14 October 2017	6:45	Night	1	<0.35	
Saturday, 14 October 2017	18:43	Evening	2	<0.35	
Sunday, 15 October 2017	6:45	Sunday	1	<0.35	
Sunday, 15 October 2017	18:45	Sunday	1	<0.35	
Tuesday, 17 October 2017	7:00	Day	5	<0.35	
Tuesday, 17 October 2017	7:00	Day	5	<0.35	
Tuesday, 17 October 2017	18:56	Evening	2	<0.35	
Tuesday, 17 October 2017	18:56	Evening	2	<0.35	
Wednesday, 18 October 2017	6:40	Night	1	<0.35	
Wednesday, 18 October 2017	18:45	Evening	2	<0.35	
Thursday, 19 October 2017	18:55	Evening	2	<0.35	
Thursday, 19 October 2017	18:55	Evening	2	<0.35	
Thursday, 19 October 2017	18:55	Evening	2	<0.35	
Friday, 20 October 2017	18:50	Evening	2	<0.35	
Saturday, 21 October 2017	7:45	Day	5	<0.35	
Saturday, 21 October 2017	7:45	Day	5	<0.35	
Saturday, 21 October 2017	18:30	Evening	2	<0.35	
Sunday, 22 October 2017	6:45	Sunday	1	<0.35	
Sunday, 22 October 2017	18:40	Sunday	1	<0.35	
Sunday, 22 October 2017	18:40	Sunday	1	<0.35	
Sunday, 22 October 2017	18:40	Sunday	1	<0.35	

Monday, 23 October 2017	18:50	Evening	2	<0.35	
Tuesday, 24 October 2017	18:55	Evening	2	<0.35	
Tuesday, 24 October 2017	18:55	Evening	2	<0.35	
Wednesday, 25 October 2017	7:04	Day	5	<0.35	
Wednesday, 25 October 2017	18:45	Evening	2	<0.35	
Thursday, 26 October 2017	18:40	Evening	2	<0.35	
Thursday, 26 October 2017	18:40	Evening	2	<0.35	
Friday, 27 October 2017	7:00	Day	5	<0.35	
Friday, 27 October 2017	7:00	Day	5	<0.35	
Friday, 27 October 2017	7:00	Day	5	<0.35	
Saturday, 28 October 2017	6:45	Night	1	<0.35	
Saturday, 28 October 2017	6:45	Night	1	<0.35	
Sunday, 29 October 2017	7:43	Sunday	1	<0.35	
Sunday, 29 October 2017	7:43	Sunday	1	<0.35	
Sunday, 29 October 2017	11:51	Sunday	1	<0.35	
Monday, 30 October 2017	18:45	Evening	2	<0.35	
Monday, 30 October 2017	18:45	Evening	2	<0.35	
Tuesday, 31 October 2017	6:40	Night	1	<0.35	
Tuesday, 31 October 2017	6:40	Night	1	<0.35	
Tuesday, 31 October 2017	18:50	Evening	2	<0.35	
Tuesday, 31 October 2017	18:50	Evening	2	<0.35	
Tuesday, 31 October 2017	18:50	Evening	2	<0.35	
Wednesday, 1 November 2017	6:25	Night	1	<0.35	
Thursday, 2 November 2017	7:00	Day	5	<0.35	
Thursday, 2 November 2017	7:00	Day	5	<0.35	
Friday, 3 November 2017	6:50	Night	1	<0.35	
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Friday, 3 November 2017	6:50	Night	1	<0.35	
Friday, 3 November 2017	6:50	Night	1	<0.35	
Friday, 3 November 2017	18:50	Evening	2	<0.35	
Saturday, 4 November 2017	6:50	Night	1	<0.35	
Saturday, 4 November 2017	6:50	Night	1	<0.35	
Saturday, 4 November 2017	18:45	Evening	2	<0.35	
Sunday, 5 November 2017	6:50	Sunday	1	<0.35	
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Sunday, 5 November 2017	18:45	Sunday	1	<0.35	
Monday, 6 November 2017	6:45	Night	1	<0.35	
Monday, 6 November 2017	6:45	Night	1	<0.35	
Monday, 6 November 2017	6:45	Night	1	<0.35	
Tuesday, 7 November 2017	6:50	Night	1	<0.35	
Tuesday, 7 November 2017	6:50	Night	1	<0.35	
Wednesday, 8 November 2017	6:40	Night	1	<0.35	
Wednesday, 8 November 2017	6:40	Night	1	<0.35	
Wednesday, 8 November 2017	6:40	Night	1	<0.35	

Wednesday, 8 November 2017	18:45	Evening	2	<0.35	
Thursday, 9 November 2017	6:45	Night	1	<0.35	
Thursday, 9 November 2017	6:45	Night	1	<0.35	
Friday, 10 November 2017	6:50	Night	1	<0.35	
Friday, 10 November 2017	6:50	Night	1	<0.35	
Friday, 10 November 2017	6:50	Night	1	<0.35	
Friday, 10 November 2017	19:15	Evening	2	<0.35	
Friday, 10 November 2017	19:15	Evening	2	<0.35	
Saturday, 11 November 2017	6:40	Night	1	<0.35	
Saturday, 11 November 2017	6:40	Night	1	<0.35	
Saturday, 11 November 2017	18:45	Evening	2	<0.35	
Saturday, 11 November 2017	18:45	Evening	2	<0.35	
Sunday, 12 November 2017	7:10	Sunday	1	<0.35	
Sunday, 12 November 2017	7:10	Sunday	1	<0.35	
Sunday, 12 November 2017	7:10	Sunday	1	<0.35	
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Sunday, 12 November 2017	19:30	Sunday	1	<0.35	
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Wednesday, 15 November 2017	6:30	Night	1	<0.35	
Thursday, 16 November 2017	7:00	Day	5	<0.35	
Thursday, 16 November 2017	7:00	Day	5	<0.35	
Thursday, 16 November 2017	7:00	Day	5	<0.35	
Thursday, 16 November 2017	7:00	Day	5	<0.35	
Friday, 17 November 2017	7:03	Day	5	<0.35	
Friday, 17 November 2017	7:03	Day	5	<0.35	
Friday, 17 November 2017	7:03	Day	5	<0.35	
Friday, 17 November 2017	7:03	Day	5	<0.35	
Friday, 17 November 2017	13:35	Day	5	<0.35	
Saturday, 18 November 2017	6:40	Night	1	<0.35	
Saturday, 18 November 2017	6:40	Night	1	<0.35	
Saturday, 18 November 2017	18:33	Evening	2	<0.35	
Sunday, 19 November 2017	7:00	Sunday	1	<0.35	
Monday, 20 November 2017	8:03	Day	5	<0.35	
Monday, 20 November 2017	8:03	Day	5	<0.35	
Monday, 20 November 2017	8:03	Day	5	<0.35	
Monday, 20 November 2017	18:35	Evening	2	<0.35	
Tuesday, 21 November 2017	7:28	Day	5	<0.35	
Tuesday, 21 November 2017	7:28	Day	5	<0.35	
Tuesday, 21 November 2017	7:28	Day	5	<0.35	
Wednesday, 22 November 2017	6:17	Night	1	<0.35	
Wednesday, 22 November 2017	6:17	Night	1	<0.35	
Wednesday, 22 November 2017	6:17	Night	1	<0.35	
Wednesday, 22 November 2017	18:43	Evening	2	<0.35	

Thursday, 23 November 2017	18:34	Evening	2	<0.35	
Thursday, 23 November 2017	18:35	Evening	2	<0.35	
Friday, 24 November 2017	18:44	Evening	2	<0.35	
Friday, 24 November 2017	18:44	Evening	2	<0.35	
Sunday, 26 November 2017	1:05	Sunday	1	<0.35	
Sunday, 26 November 2017	7:45	Sunday	1	<0.35	
Sunday, 26 November 2017	7:45	Sunday	1	<0.35	
Monday, 27 November 2017	6:40	Night	1	<0.35	
Tuesday, 28 November 2017	1:20	Night	1	<0.35	
Wednesday, 29 November 2017	6:15	Night	1	<0.35	
Wednesday, 29 November 2017	6:15	Night	1	<0.35	
Wednesday, 29 November 2017	6:45	Night	1	<0.35	
Wednesday, 29 November 2017	6:45	Night	1	<0.35	
Thursday, 30 November 2017	6:50	Night	1	<0.35	
Thursday, 30 November 2017	18:45	Evening	2	<0.35	
Thursday, 30 November 2017	18:45	Evening	2	<0.35	
Friday, 1 December 2017	6:50	Night	1	<0.35	
Friday, 1 December 2017	6:50	Night	1	<0.35	
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Friday, 1 December 2017	18:45	Evening	2	<0.35	
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Saturday, 2 December 2017	6:50	Night	1	<0.35	
Saturday, 2 December 2017	19:00	Evening	2	<0.35	
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Sunday, 3 December 2017	18:45	Sunday	1	<0.35	
Monday, 4 December 2017	6:55	Night	1	<0.35	
Monday, 4 December 2017	6:55	Night	1	<0.35	
Monday, 4 December 2017	6:55	Night	1	<0.35	
Monday, 4 December 2017	6:55	Night	1	<0.35	
Tuesday, 5 December 2017	6:45	Night	1	<0.35	
Tuesday, 5 December 2017	6:45	Night	1	<0.35	
Wednesday, 6 December 2017	6:40	Night	1	<0.35	
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Wednesday, 6 December 2017	6:40	Night	1	<0.35	
Wednesday, 6 December 2017	7:00	Day	5	<0.35	
Wednesday, 6 December 2017	18:55	Evening	2	<0.35	
Thursday, 7 December 2017	6:40	Night	1	<0.35	
Thursday, 7 December 2017	6:40	Night	1	<0.35	
Thursday, 7 December 2017	18:45	Evening	2	<0.35	

Thursday, 7 December 2017	18:45	Evening	2	<0.35	
Friday, 8 December 2017	6:45	Night	1	<0.35	
Friday, 8 December 2017	6:45	Night	1	<0.35	
Friday, 8 December 2017	18:40	Evening	2	<0.35	
Friday, 8 December 2017	18:40	Evening	2	<0.35	
Saturday, 9 December 2017	6:45	Night	1	<0.35	
Saturday, 9 December 2017	6:45	Night	1	<0.35	
Saturday, 9 December 2017	18:45	Evening	2	0.508	
Saturday, 9 December 2017	18:45	Evening	2	0.508	
Saturday, 9 December 2017	18:45	Evening	2	<0.35	
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Sunday, 10 December 2017	6:45	Sunday	1	<0.35	
Sunday, 10 December 2017	18:56	Sunday	1	<0.35	
Sunday, 10 December 2017	18:56	Sunday	1	<0.35	
Monday, 11 December 2017	6:45	Night	1	<0.35	
Tuesday, 12 December 2017	6:30	Night	1	<0.35	
Tuesday, 12 December 2017	6:30	Night	1	<0.35	
Tuesday, 12 December 2017	6:30	Night	1	<0.35	
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Tuesday, 12 December 2017	18:35	Evening	2	<0.35	
Tuesday, 12 December 2017	18:35	Evening	2	<0.35	
Wednesday, 13 December 2017	6:50	Night	1	<0.35	
Wednesday, 13 December 2017	6:50	Night	1	<0.35	
Thursday, 14 December 2017	7:10	Day	5	<0.35	
Thursday, 14 December 2017	7:10	Day	5	<0.35	
Thursday, 14 December 2017	18:35	Evening	2	<0.35	
Friday, 15 December 2017	6:36	Night	1	<0.35	
Friday, 15 December 2017	6:36	Night	1	<0.35	
Friday, 15 December 2017	18:37	Evening	2	<0.35	
Saturday, 16 December 2017	6:56	Night	1	<0.35	
Saturday, 16 December 2017	6:56	Night	1	<0.35	
Saturday, 16 December 2017	6:56	Night	1	<0.35	
Saturday, 16 December 2017	18:45	Evening	2	<0.35	
Sunday, 17 December 2017	18:33	Sunday	1	<0.35	
Monday, 18 December 2017	6:40	Night	1	<0.35	
Monday, 18 December 2017	6:40	Night	1	<0.35	
Monday, 18 December 2017	6:40	Night	1	<0.35	
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Monday, 18 December 2017	19:00	Evening	2	<0.35	
Monday, 18 December 2017	19:00	Evening	2	<0.35	
Monday, 18 December 2017	19:00	Evening	2	<0.35	
Wednesday, 20 December 2017	6:35	Night	1	<0.35	
Wednesday, 20 December 2017	6:35	Night	1	<0.35	
Wednesday, 20 December 2017	6:35	Night	1	<0.35	

Wednesday, 20 December 2017	6:35	Night	1	<0.35	
Wednesday, 20 December 2017	18:58	Evening	2	<0.35	
Thursday, 21 December 2017	6:50	Night	1	<0.35	
Thursday, 21 December 2017	6:50	Night	1	<0.35	
Thursday, 21 December 2017	18:50	Evening	2	<0.35	
Thursday, 21 December 2017	18:50	Evening	2	<0.35	
Thursday, 21 December 2017	18:50	Evening	2	<0.35	
Friday, 22 December 2017	7:00	Day	5	<0.35	
Friday, 22 December 2017	7:00	Day	5	<0.35	
Friday, 22 December 2017	7:00	Day	5	<0.35	
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Friday, 22 December 2017	19:55	Evening	2	<0.35	
Friday, 22 December 2017	19:55	Evening	2	<0.35	
Saturday, 23 December 2017	6:45	Night	1	<0.35	
Saturday, 23 December 2017	6:45	Night	1	<0.35	
Saturday, 23 December 2017	19:05	Evening	2	<0.35	
Saturday, 23 December 2017	19:05	Evening	2	<0.35	
Sunday, 24 December 2017	6:45	Sunday	1	<0.35	
Sunday, 24 December 2017	6:45	Sunday	1	<0.35	
Sunday, 24 December 2017	19:10	Sunday	1	<0.35	
Sunday, 24 December 2017	19:10	Sunday	1	<0.35	
Monday, 25 December 2017	6:50	PH	1	<0.35	
Monday, 25 December 2017	6:50	PH	1	<0.35	
Tuesday, 26 December 2017	6:50	PH	1	<0.35	
Tuesday, 26 December 2017	6:50	PH	1	<0.35	
Tuesday, 26 December 2017	6:50	PH	1	<0.35	
Tuesday, 26 December 2017	18:45	PH	1	<0.35	
Tuesday, 26 December 2017	18:45	PH	1	<0.35	
Tuesday, 26 December 2017	18:45	PH	1	<0.35	
Wednesday, 27 December 2017	6:45	Night	1	<0.35	
Wednesday, 27 December 2017	6:45	Night	1	<0.35	
Wednesday, 27 December 2017	6:50	Night	1	<0.35	
Thursday, 28 December 2017	18:45	Evening	2	<0.35	
Thursday, 28 December 2017	18:45	Evening	2	<0.35	
Thursday, 28 December 2017	18:45	Evening	2	<0.35	
Thursday, 28 December 2017	19:05	Evening	2	<0.35	
Friday, 29 December 2017	6:50	Night	1	<0.35	
Friday, 29 December 2017	6:50	Night	1	<0.35	
Friday, 29 December 2017	6:50	Night	1	<0.35	
Friday, 29 December 2017	18:50	Evening	2	<0.35	
Saturday, 30 December 2017	6:50	Night	1	<0.35	
Saturday, 30 December 2017	6:50	Night	1	<0.35	
Saturday, 30 December 2017	6:50	Night	1	<0.35	
Saturday, 30 December 2017	18:55	Evening	2	<0.35	

Sunday, 31 December 2017	1:15	Sunday	1	<0.35	
Sunday, 31 December 2017	1:15	Sunday	1	<0.35	
Sunday, 31 December 2017	1:15	Sunday	1	<0.35	
Sunday, 31 December 2017	6:50	Sunday	1	<0.35	
Sunday, 31 December 2017	6:50	Sunday	1	<0.35	
Sunday, 31 December 2017	6:50	Sunday	1	<0.35	
Monday, 1 January 2018	7:10	PH	1	<0.35	
Monday, 1 January 2018	7:10	PH	1	<0.35	
Monday, 1 January 2018	7:10	PH	1	<0.35	
Monday, 1 January 2018	7:10	PH	1	<0.35	
Monday, 1 January 2018	7:10	PH	1	<0.35	
Monday, 1 January 2018	18:50	PH	1	<0.35	
Tuesday, 2 January 2018	6:15	Night	1	<0.35	
Tuesday, 2 January 2018	6:15	Night	1	<0.35	
Tuesday, 2 January 2018	6:15	Night	1	<0.35	
Tuesday, 2 January 2018	6:15	Night	1	<0.35	
Thursday, 4 January 2018	6:50	Night	1	<0.35	
Thursday, 4 January 2018	6:50	Night	1	<0.35	
Thursday, 4 January 2018	6:50	Night	1	<0.35	
Thursday, 4 January 2018	15:42	Day	5	<0.35	
Thursday, 4 January 2018	18:50	Evening	2	<0.35	
Friday, 5 January 2018	6:46	Night	1	<0.35	
Friday, 5 January 2018	6:50	Night	1	<0.35	
Friday, 5 January 2018	6:50	Night	1	<0.35	
Friday, 5 January 2018	6:50	Night	1	<0.35	
Friday, 5 January 2018	18:46	Evening	2	<0.35	
Saturday, 6 January 2018	6:40	Night	1	<0.35	
Saturday, 6 January 2018	14:15	Day	5	<0.35	
Sunday, 7 January 2018	6:50	Sunday	1	<0.35	
Sunday, 7 January 2018	6:50	Sunday	1	<0.35	
Sunday, 7 January 2018	18:45	Sunday	1	<0.35	
Monday, 8 January 2018	6:40	Night	1	<0.35	
Monday, 8 January 2018	14:15	Day	5	<0.35	
Tuesday, 9 January 2018	6:55	Night	1	<0.35	
Tuesday, 9 January 2018	6:55	Night	1	<0.35	
Tuesday, 9 January 2018	6:55	Night	1	<0.35	
Tuesday, 9 January 2018	18:58	Evening	2	<0.35	
Wednesday, 10 January 2018	6:47	Night	1	<0.35	
Wednesday, 10 January 2018	6:47	Night	1	<0.35	
Thursday, 11 January 2018	18:50	Evening	2	<0.35	
Friday, 12 January 2018	7:45	Day	5	<0.35	
Friday, 12 January 2018	7:45	Day	5	<0.35	
Friday, 12 January 2018	7:45	Day	5	<0.35	
Friday, 12 January 2018	18:40	Evening	2	<0.35	

Friday, 12 January 2018	18:40	Evening	2	<0.35	
Saturday, 13 January 2018	7:25	Day	5	<0.35	
Saturday, 13 January 2018	7:25	Day	5	<0.35	
Saturday, 13 January 2018	19:06	Evening	2	<0.35	
Saturday, 13 January 2018	19:06	Evening	2	<0.35	
Sunday, 14 January 2018	6:49	Sunday	1	<0.35	
Sunday, 14 January 2018	6:49	Sunday	1	<0.35	
Sunday, 14 January 2018	19:06	Sunday	1	<0.35	
Sunday, 14 January 2018	19:06	Sunday	1	<0.35	
Monday, 15 January 2018	6:54	Night	1	<0.35	
Tuesday, 16 January 2018	19:02	Evening	2	<0.35	
Tuesday, 16 January 2018	19:02	Evening	2	<0.35	
Tuesday, 16 January 2018	19:02	Evening	2	<0.35	
Wednesday, 17 January 2018	6:45	Night	1	<0.35	
Wednesday, 17 January 2018	19:00	Evening	2	<0.35	
Thursday, 18 January 2018	7:00	Day	5	<0.35	
Thursday, 18 January 2018	7:00	Day	5	<0.35	
Thursday, 18 January 2018	18:55	Evening	2	<0.35	
Thursday, 18 January 2018	18:55	Evening	2	<0.35	
Friday, 19 January 2018	6:45	Night	1	<0.35	
Friday, 19 January 2018	19:00	Evening	2	<0.35	
Friday, 19 January 2018	19:00	Evening	2	<0.35	
Friday, 19 January 2018	19:00	Evening	2	<0.35	
Friday, 19 January 2018	19:00	Evening	2	<0.35	
Saturday, 20 January 2018	6:50	Night	1	<0.35	
Sunday, 21 January 2018	7:15	Sunday	1	<0.35	
Sunday, 21 January 2018	7:15	Sunday	1	<0.35	
Sunday, 21 January 2018	19:00	Sunday	1	<0.35	
Monday, 22 January 2018	6:55	Night	1	<0.35	
Tuesday, 23 January 2018	6:50	Night	1	<0.35	
Tuesday, 23 January 2018	6:50	Night	1	<0.35	
Tuesday, 23 January 2018	6:50	Night	1	<0.35	
Wednesday, 24 January 2018	6:50	Night	1	<0.35	
Thursday, 25 January 2018	7:00	Day	5	<0.35	
Thursday, 25 January 2018	19:00	Evening	2	<0.35	
Thursday, 25 January 2018	19:00	Evening	2	<0.35	
Thursday, 25 January 2018	19:00	Evening	2	<0.35	
Friday, 26 January 2018	8:00	PH	1	<0.35	
Friday, 26 January 2018	8:00	PH	1	<0.35	
Friday, 26 January 2018	8:00	PH	1	<0.35	
Saturday, 27 January 2018	7:10	Day	5	<0.35	
Saturday, 27 January 2018	7:10	Day	5	<0.35	
Saturday, 27 January 2018	7:10	Day	5	<0.35	
Sunday, 28 January 2018	7:05	Sunday	1	<0.35	

Sunday, 28 January 2018	7:05	Sunday	1	<0.35	
Sunday, 28 January 2018	7:05	Sunday	1	<0.35	
Sunday, 28 January 2018	7:05	Sunday	1	<0.35	
Monday, 29 January 2018	6:50	Night	1	<0.35	
Monday, 29 January 2018	6:50	Night	1	<0.35	
Tuesday, 30 January 2018	7:05	Day	5	<0.35	
Tuesday, 30 January 2018	7:05	Day	5	<0.35	
Tuesday, 30 January 2018	7:05	Day	5	<0.35	
Tuesday, 30 January 2018	7:05	Day	5	<0.35	
Tuesday, 30 January 2018	19:05	Evening	2	<0.35	
Wednesday, 31 January 2018	6:45	Night	1	<0.35	
Wednesday, 31 January 2018	6:45	Night	1	<0.35	
Wednesday, 31 January 2018	6:45	Night	1	<0.35	
Wednesday, 31 January 2018	18:35	Evening	2	<0.35	
Thursday, 1 February 2018	6:50	Night	1	<0.35	
Thursday, 1 February 2018	6:50	Night	1	<0.35	
Thursday, 1 February 2018	6:50	Night	1	<0.35	
Thursday, 1 February 2018	18:45	Evening	2	<0.35	
Thursday, 1 February 2018	18:45	Evening	2	<0.35	
Thursday, 1 February 2018	18:45	Evening	2	<0.35	
Friday, 2 February 2018	6:45	Night	1	<0.35	
Friday, 2 February 2018	6:45	Night	1	<0.35	
Friday, 2 February 2018	6:45	Night	1	<0.35	
Friday, 2 February 2018	18:55	Evening	2	<0.35	
Saturday, 3 February 2018	6:50	Night	1	<0.35	
Saturday, 3 February 2018	6:50	Night	1	<0.35	
Saturday, 3 February 2018	6:50	Night	1	<0.35	
Sunday, 4 February 2018	6:45	Sunday	1	<0.35	
Monday, 5 February 2018	7:12	Day	5	<0.35	
Monday, 5 February 2018	7:12	Day	5	<0.35	
Monday, 5 February 2018	7:12	Day	5	<0.35	
Monday, 5 February 2018	7:12	Day	5	<0.35	
Monday, 5 February 2018	18:45	Evening	2	<0.35	
Tuesday, 6 February 2018	6:50	Night	1	<0.35	
Tuesday, 6 February 2018	6:50	Night	1	<0.35	
Tuesday, 6 February 2018	19:00	Evening	2	<0.35	
Tuesday, 6 February 2018	19:00	Evening	2	<0.35	
Wednesday, 7 February 2018	6:30	Night	1	<0.35	
Wednesday, 7 February 2018	6:30	Night	1	<0.35	
Wednesday, 7 February 2018	18:47	Evening	2	<0.35	
Wednesday, 7 February 2018	18:47	Evening	2	<0.35	
Thursday, 8 February 2018	6:45	Night	1	<0.35	
Thursday, 8 February 2018	18:54	Evening	2	<0.35	
Thursday, 8 February 2018	18:54	Evening	2	<0.35	

Thursday, 8 February 2018	18:54	Evening	2	<0.35	
Friday, 9 February 2018	6:46	Night	1	<0.35	
Friday, 9 February 2018	18:55	Evening	2	<0.35	
Saturday, 10 February 2018	6:47	Night	1	<0.35	
Saturday, 10 February 2018	6:47	Night	1	<0.35	
Saturday, 10 February 2018	18:56	Evening	2	<0.35	
Saturday, 10 February 2018	18:56	Evening	2	<0.35	
Sunday, 11 February 2018	6:56	Sunday	1	<0.35	
Sunday, 11 February 2018	18:45	Sunday	1	<0.35	
Sunday, 11 February 2018	18:45	Sunday	1	<0.35	
Sunday, 11 February 2018	18:45	Sunday	1	<0.35	
Tuesday, 13 February 2018	7:17	Day	5	<0.35	
Tuesday, 13 February 2018	19:00	Evening	2	<0.35	
Tuesday, 13 February 2018	19:00	Evening	2	<0.35	
Wednesday, 14 February 2018	6:47	Night	1	<0.35	
Wednesday, 14 February 2018	19:00	Evening	2	<0.35	
Thursday, 15 February 2018	7:05	Day	5	<0.35	
Thursday, 15 February 2018	7:05	Day	5	<0.35	
Saturday, 17 February 2018	0:00	Night	1	<0.35	
Saturday, 17 February 2018	0:00	Night	1	<0.35	
Saturday, 17 February 2018	0:00	Night	1	<0.35	
Saturday, 17 February 2018	6:50	Night	1	<0.35	
Saturday, 17 February 2018	6:50	Night	1	<0.35	
Saturday, 17 February 2018	19:10	Evening	2	<0.35	
Saturday, 17 February 2018	19:10	Evening	2	<0.35	
Saturday, 17 February 2018	19:10	Evening	2	<0.35	
Sunday, 18 February 2018	18:45	Sunday	1	<0.35	
Monday, 19 February 2018	6:58	Night	1	<0.35	
Monday, 19 February 2018	18:59	Evening	2	<0.35	
Monday, 19 February 2018	18:59	Evening	2	<0.35	
Monday, 19 February 2018	18:59	Evening	2	<0.35	
Monday, 19 February 2018	18:59	Evening	2	<0.35	
Tuesday, 20 February 2018	7:00	Day	5	<0.35	
Tuesday, 20 February 2018	7:00	Day	5	<0.35	
Tuesday, 20 February 2018	19:00	Evening	2	<0.35	
Tuesday, 20 February 2018	19:00	Evening	2	<0.35	
Tuesday, 20 February 2018	19:00	Evening	2	<0.35	
Wednesday, 21 February 2018	6:45	Night	1	<0.35	
Wednesday, 21 February 2018	18:45	Evening	2	<0.35	
Thursday, 22 February 2018	7:00	Day	5	<0.35	
Thursday, 22 February 2018	7:00	Day	5	<0.35	
Thursday, 22 February 2018	7:00	Day	5	<0.35	
Thursday, 22 February 2018	7:00	Day	5	<0.35	
Thursday, 22 February 2018	7:00	Day	5	<0.35	

Friday, 23 February 2018	6:50	Night	1	<0.35	
Friday, 23 February 2018	6:50	Night	1	<0.35	
Friday, 23 February 2018	6:50	Night	1	<0.35	
Friday, 23 February 2018	6:50	Night	1	<0.35	
Friday, 23 February 2018	6:50	Night	1	<0.35	
Saturday, 24 February 2018	6:45	Night	1	<0.35	
Saturday, 24 February 2018	6:45	Night	1	<0.35	
Saturday, 24 February 2018	6:45	Night	1	<0.35	
Saturday, 24 February 2018	6:45	Night	1	<0.35	
Saturday, 24 February 2018	6:45	Night	1	<0.35	
Saturday, 24 February 2018	18:50	Evening	2	<0.35	
Sunday, 25 February 2018	1:00	Sunday	1	<0.35	
Sunday, 25 February 2018	1:00	Sunday	1	<0.35	
Sunday, 25 February 2018	7:10	Sunday	1	<0.35	
Sunday, 25 February 2018	7:10	Sunday	1	<0.35	
Sunday, 25 February 2018	7:10	Sunday	1	<0.35	
Sunday, 25 February 2018	7:10	Sunday	1	<0.35	
Monday, 26 February 2018	7:45	Day	5	<0.35	
Monday, 26 February 2018	7:45	Day	5	<0.35	
Monday, 26 February 2018	7:45	Day	5	<0.35	
Monday, 26 February 2018	7:45	Day	5	<0.35	
Monday, 26 February 2018	7:45	Day	5	<0.35	
Tuesday, 27 February 2018	6:45	Night	1	<0.35	
Tuesday, 27 February 2018	6:45	Night	1	<0.35	
Tuesday, 27 February 2018	6:45	Night	1	<0.35	
Tuesday, 27 February 2018	18:45	Evening	2	<0.35	
Wednesday, 28 February 2018	7:30	Day	5	<0.35	
Wednesday, 28 February 2018	7:30	Day	5	<0.35	
Wednesday, 28 February 2018	7:30	Day	5	<0.35	
Wednesday, 28 February 2018	7:30	Day	5	<0.35	
Wednesday, 28 February 2018	7:30	Day	5	<0.35	
Wednesday, 28 February 2018	7:30	Day	5	<0.35	
Thursday, 1 March 2018	6:50	Night	1	<0.35	
Thursday, 1 March 2018	6:50	Night	1	<0.35	
Thursday, 1 March 2018	19:00	Evening	2	<0.35	
Thursday, 1 March 2018	19:00	Evening	2	<0.35	
Friday, 2 March 2018	7:00	Day	5	<0.35	
Friday, 2 March 2018	7:00	Day	5	<0.35	
Saturday, 3 March 2018	7:10	Day	5	<0.35	
Saturday, 3 March 2018	7:10	Day	5	<0.35	
Saturday, 3 March 2018	7:10	Day	5	<0.35	
Sunday, 4 March 2018	6:45	Sunday	1	<0.35	
Sunday, 4 March 2018	6:45	Sunday	1	<0.35	
Sunday, 4 March 2018	6:45	Sunday	1	<0.35	

Sunday, 4 March 2018	13:45	Sunday	1	<0.35	
Sunday, 4 March 2018	13:45	Sunday	1	<0.35	
Monday, 5 March 2018	6:35	Night	1	<0.35	
Monday, 5 March 2018	18:55	Evening	2	<0.35	
Tuesday, 6 March 2018	6:50	Night	1	<0.35	
Tuesday, 6 March 2018	6:50	Night	1	<0.35	
Tuesday, 6 March 2018	18:45	Evening	2	<0.35	
Tuesday, 6 March 2018	18:45	Evening	2	<0.35	
Wednesday, 7 March 2018	6:42	Night	1	<0.35	
Wednesday, 7 March 2018	6:42	Night	1	<0.35	
Wednesday, 7 March 2018	18:51	Evening	2	<0.35	
Wednesday, 7 March 2018	18:51	Evening	2	<0.35	
Thursday, 8 March 2018	6:40	Night	1	<0.35	
Thursday, 8 March 2018	18:50	Evening	2	<0.35	
Thursday, 8 March 2018	18:50	Evening	2	<0.35	
Friday, 9 March 2018	6:45	Night	1	<0.35	
Friday, 9 March 2018	6:50	Night	1	<0.35	
Friday, 9 March 2018	19:00	Evening	2	<0.35	
Friday, 9 March 2018	19:00	Evening	2	<0.35	
Friday, 9 March 2018	19:00	Evening	2	<0.35	
Saturday, 10 March 2018	6:45	Night	1	<0.35	
Saturday, 10 March 2018	6:45	Night	1	<0.35	
Saturday, 10 March 2018	19:00	Evening	2	<0.35	
Sunday, 11 March 2018	6:50	Sunday	1	<0.35	
Sunday, 11 March 2018	6:50	Sunday	1	<0.35	
Sunday, 11 March 2018	6:50	Sunday	1	<0.35	
Sunday, 11 March 2018	18:50	Sunday	1	<0.35	
Monday, 12 March 2018	6:45	Night	1	<0.35	
Monday, 12 March 2018	16:00	Day	5	<0.35	
Tuesday, 13 March 2018	6:45	Night	1	<0.35	
Tuesday, 13 March 2018	6:45	Night	1	<0.35	
Tuesday, 13 March 2018	6:45	Night	1	<0.35	
Tuesday, 13 March 2018	19:00	Evening	2	<0.35	
Tuesday, 13 March 2018	19:00	Evening	2	<0.35	
Tuesday, 13 March 2018	19:00	Evening	2	<0.35	
Wednesday, 14 March 2018	6:45	Night	1	<0.35	
Wednesday, 14 March 2018	7:00	Day	5	<0.35	
Wednesday, 14 March 2018	19:01	Evening	2	<0.35	
Wednesday, 14 March 2018	19:01	Evening	2	<0.35	
Wednesday, 14 March 2018	19:01	Evening	2	<0.35	
Thursday, 15 March 2018	7:00	Day	5	<0.35	
Thursday, 15 March 2018	7:00	Day	5	<0.35	
Thursday, 15 March 2018	19:05	Evening	2	<0.35	
Thursday, 15 March 2018	19:05	Evening	2	<0.35	

Thursday, 15 March 2018	19:05	Evening	2	<0.35	
Friday, 16 March 2018	6:50	Night	1	<0.35	
Friday, 16 March 2018	18:50	Evening	2	<0.35	
Friday, 16 March 2018	18:50	Evening	2	<0.35	
Friday, 16 March 2018	18:50	Evening	2	<0.35	
Friday, 16 March 2018	18:50	Evening	2	<0.35	
Saturday, 17 March 2018	7:00	Day	5	<0.35	
Saturday, 17 March 2018	7:00	Day	5	<0.35	
Saturday, 17 March 2018	18:55	Evening	2	<0.35	
Saturday, 17 March 2018	18:55	Evening	2	<0.35	
Sunday, 18 March 2018	7:30	Sunday	1	<0.35	
Sunday, 18 March 2018	7:30	Sunday	1	<0.35	
Sunday, 18 March 2018	18:50	Sunday	1	<0.35	
Sunday, 18 March 2018	18:50	Sunday	1	<0.35	
Monday, 19 March 2018	7:00	Day	5	<0.35	
Monday, 19 March 2018	18:55	Evening	2	<0.35	
Monday, 19 March 2018	18:55	Evening	2	<0.35	
Tuesday, 20 March 2018	6:50	Night	1	<0.35	
Tuesday, 20 March 2018	6:50	Night	1	<0.35	
Tuesday, 20 March 2018	15:50	Day	5	<0.35	
Tuesday, 20 March 2018	19:00	Evening	2	<0.35	
Wednesday, 21 March 2018	6:50	Night	1	<0.35	
Wednesday, 21 March 2018	6:50	Night	1	<0.35	
Wednesday, 21 March 2018	18:50	Evening	2	<0.35	
Wednesday, 21 March 2018	18:50	Evening	2	<0.35	
Thursday, 22 March 2018	6:50	Night	1	<0.35	
Thursday, 22 March 2018	6:50	Night	1	<0.35	
Friday, 23 March 2018	6:45	Night	1	<0.35	
Friday, 23 March 2018	6:45	Night	1	<0.35	
Friday, 23 March 2018	6:45	Night	1	<0.35	
Saturday, 24 March 2018	1:30	Night	1	<0.35	
Saturday, 24 March 2018	6:55	Night	1	<0.35	
Saturday, 24 March 2018	6:55	Night	1	<0.35	
Sunday, 25 March 2018	10:30	Sunday	1	<0.35	
Sunday, 25 March 2018	10:30	Sunday	1	<0.35	
Sunday, 25 March 2018	16:45	Sunday	1	<0.35	
Sunday, 25 March 2018	18:45	Sunday	1	<0.35	
Monday, 26 March 2018	6:50	Night	1	<0.35	
Monday, 26 March 2018	6:50	Night	1	<0.35	
Monday, 26 March 2018	18:50	Evening	2	<0.35	
Tuesday, 27 March 2018	2:00	Night	1	<0.35	
Tuesday, 27 March 2018	2:00	Night	1	<0.35	
Tuesday, 27 March 2018	2:00	Night	1	<0.35	
Tuesday, 27 March 2018	7:00	Day	5	<0.35	

Wednesday, 28 March 2018	7:00	Day	5	<0.35	
Wednesday, 28 March 2018	7:00	Day	5	<0.35	
Wednesday, 28 March 2018	18:45	Evening	2	<0.35	
Wednesday, 28 March 2018	18:45	Evening	2	<0.35	
Thursday, 29 March 2018	6:55	Night	1	<0.35	
Thursday, 29 March 2018	18:45	Evening	2	<0.35	
Thursday, 29 March 2018	18:45	Evening	2	<0.35	
Friday, 30 March 2018	6:45	PH	1	<0.35	
Friday, 30 March 2018	16:05	PH	1	0.431	
Friday, 30 March 2018	18:55	PH	1	<0.35	
Friday, 30 March 2018	18:55	PH	1	<0.35	
Saturday, 31 March 2018	6:40	PH	1	<0.35	
Saturday, 31 March 2018	18:45	PH	1	<0.35	
Saturday, 31 March 2018	18:45	PH	1	<0.35	
Sunday, 1 April 2018	7:00	PH	1	<0.35	
Sunday, 1 April 2018	18:50	PH	1	<0.35	
Sunday, 1 April 2018	18:50	PH	1	<0.35	
Sunday, 1 April 2018	18:50	PH	1	<0.35	
Monday, 2 April 2018	6:45	PH	1	<0.35	
Monday, 2 April 2018	6:45	PH	1	<0.35	
Monday, 2 April 2018	18:30	PH	1	<0.35	
Tuesday, 3 April 2018	6:40	Night	1	<0.35	
Tuesday, 3 April 2018	18:45	Evening	2	<0.35	
Tuesday, 3 April 2018	18:45	Evening	2	<0.35	
Wednesday, 4 April 2018	7:05	Day	5	<0.35	
Wednesday, 4 April 2018	7:05	Day	5	<0.35	
Thursday, 5 April 2018	6:30	Night	1	<0.35	
Thursday, 5 April 2018	6:30	Night	1	<0.35	
Friday, 6 April 2018	6:52	Night	1	<0.35	
Friday, 6 April 2018	6:52	Night	1	<0.35	
Friday, 6 April 2018	13:30	Day	5	<0.35	
Saturday, 7 April 2018	6:48	Night	1	<0.35	
Saturday, 7 April 2018	6:48	Night	1	<0.35	
Saturday, 7 April 2018	6:48	Night	1	<0.35	
Saturday, 7 April 2018	18:50	Evening	2	<0.35	
Sunday, 8 April 2018	6:45	Sunday	1	<0.35	
Sunday, 8 April 2018	6:45	Sunday	1	<0.35	
Sunday, 8 April 2018	6:45	Sunday	1	<0.35	
Sunday, 8 April 2018	18:45	Sunday	1	<0.35	
Monday, 9 April 2018	6:45	Night	1	<0.35	
Tuesday, 10 April 2018	6:40	Night	1	<0.35	
Tuesday, 10 April 2018	6:40	Night	1	<0.35	
Tuesday, 10 April 2018	6:40	Night	1	<0.35	
Tuesday, 10 April 2018	18:40	Evening	2	<0.35	

Tuesday, 10 April 2018	18:40	Evening	2	<0.35	
Wednesday, 11 April 2018	6:45	Night	1	<0.35	
Wednesday, 11 April 2018	6:45	Night	1	<0.35	
Thursday, 12 April 2018	6:55	Night	1	<0.35	
Thursday, 12 April 2018	6:55	Night	1	<0.35	
Thursday, 12 April 2018	19:05	Evening	2	<0.35	
Thursday, 12 April 2018	19:05	Evening	2	<0.35	
Friday, 13 April 2018	7:30	Day	5	<0.35	
Friday, 13 April 2018	7:30	Day	5	<0.35	
Saturday, 14 April 2018	6:55	Night	1	<0.35	
Saturday, 14 April 2018	6:55	Night	1	<0.35	
Saturday, 14 April 2018	18:41	Evening	2	<0.35	
Sunday, 15 April 2018	7:02	Sunday	1	<0.35	
Sunday, 15 April 2018	7:02	Sunday	1	<0.35	
Sunday, 15 April 2018	18:45	Sunday	1	<0.35	
Monday, 16 April 2018	7:05	Day	5	<0.35	
Monday, 16 April 2018	7:05	Day	5	<0.35	
Monday, 16 April 2018	7:05	Day	5	<0.35	
Monday, 16 April 2018	19:00	Evening	2	<0.35	
Tuesday, 17 April 2018	7:00	Day	5	<0.35	
Tuesday, 17 April 2018	7:00	Day	5	<0.35	
Wednesday, 18 April 2018	6:35	Night	1	<0.35	
Wednesday, 18 April 2018	6:35	Night	1	<0.35	
Thursday, 19 April 2018	7:00	Day	5	<0.35	
Thursday, 19 April 2018	7:00	Day	5	<0.35	
Friday, 20 April 2018	7:00	Day	5	<0.35	
Friday, 20 April 2018	7:00	Day	5	<0.35	
Friday, 20 April 2018	7:00	Day	5	<0.35	
Friday, 20 April 2018	22:45	Day	5	<0.35	
Saturday, 21 April 2018	6:45	Night	1	<0.35	
Saturday, 21 April 2018	6:45	Night	1	<0.35	
Sunday, 22 April 2018	7:00	Sunday	1	<0.35	
Sunday, 22 April 2018	7:00	Sunday	1	<0.35	
Sunday, 22 April 2018	18:45	Sunday	1	<0.35	
Monday, 23 April 2018	6:00	Night	1	<0.35	
Monday, 23 April 2018	6:00	Night	1	<0.35	
Monday, 23 April 2018	6:00	Night	1	<0.35	
Monday, 23 April 2018	6:00	Night	1	<0.35	
Monday, 23 April 2018	18:30	Evening	2	<0.35	
Tuesday, 24 April 2018	6:45	Night	1	<0.35	
Tuesday, 24 April 2018	6:45	Night	1	<0.35	
Wednesday, 25 April 2018	6:45	PH	1	<0.35	
Wednesday, 25 April 2018	6:45	PH	1	<0.35	
Wednesday, 25 April 2018	6:45	PH	1	<0.35	

Wednesday, 25 April 2018	6:45	PH	1	<0.35	
Friday, 27 April 2018	6:55	Night	1	<0.35	
Friday, 27 April 2018	6:55	Night	1	<0.35	
Friday, 27 April 2018	6:55	Night	1	<0.35	
Saturday, 28 April 2018	6:40	Night	1	<0.35	
Saturday, 28 April 2018	6:40	Night	1	<0.35	
Saturday, 28 April 2018	6:40	Night	1	<0.35	
Saturday, 28 April 2018	18:45	Evening	2	<0.35	
Sunday, 29 April 2018	6:45	Sunday	1	<0.35	
Sunday, 29 April 2018	6:45	Sunday	1	<0.35	
Sunday, 29 April 2018	13:00	Sunday	1	<0.35	
Sunday, 29 April 2018	18:45	Sunday	1	<0.35	
Monday, 30 April 2018	0:00	Night	1	<0.35	
Monday, 30 April 2018	6:45	Night	1	<0.35	
Monday, 30 April 2018	6:45	Night	1	<0.35	

10.7 EMM Consulting, EPL Attended Noise Monitoring – July 2017

10.8 SGM Environmental, Annual Report Cover Column Trials (*Draft*).

See attached