

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD

Rasp Project Independent Environmental Audit Report 2023

Broken Hill Operations Pty Ltd, Rasp Mine
Broken Hill, NSW

Consolidated Project Approval 07_0018 (as of 13 December 2022)

July 2023 Audit



Prepared for
NSW Government
Department of Planning and Environment

Report Version

Version	Date	Prepared by
Final Report	1 September 2023	<p>Kurt Hammerschmid B.App.Sc. (Chem), M.Sc., MEIANZ Lead / Principal Auditor Integrated Environmental Systems Pty Ltd PO Box 98 Battery Point, Hobart, Tasmania 7004</p> <p>Adam Jones B.Ec. LLB, B.Com, GradCertEnv Lawyer Suite 503, 9-13 Bronte Road Bondi Junction NSW 2022</p>

Document Title and History

Document Title: Rasp Project Independent Environmental Audit Report 2023			
Consolidated Project Approval 07_0018 (as of 13 December 2022)			
Version	Description and Date	Issued by	Certified by
Draft version	Draft version of audit report issued to BHOP on 22 August 2023 for BHOP's review and response	Kurt Hammerschmid, Lead Auditor	Not applicable
Final version	Final version of audit report incorporating minor corrections and amendments (i.e. no change to the number of identified non-compliances, recommendations and observations), and issued to BHOP on 1 September 2023 for BHOP's submission to Planning Secretary / Department of Planning and Environment	Kurt Hammerschmid, Lead Auditor	Kurt Hammerschmid, Lead Auditor

Cover page photos, left to right:

- Works on TSF2 (3 July 2023)
- Rasp Mine Eyre Street entrance (4 July 2023)
- Rasp Mine Mill (3 July 2023)

© Integrated Environmental Systems Pty Ltd

Unauthorised use of this document in either hard copy or electronic format is prohibited.

Issued by:  (Kurt Hammerschmid)

Date: 1 September 2023

Table of Contents

Document Title and History	2
Audit Details	4
Audit Reference Table	6
1 Executive Summary	8
2 Introduction	9
2.1 Background	9
2.2 Audit Team	9
2.3 Audit Objectives	10
2.4 Audit Scope	10
2.5 Audit Period	10
2.6 Audit Report Submission	10
3 Audit Methodology	11
3.1 Selection and Endorsement of Auditors	11
3.2 Independent Audit Scope Development	11
3.3 Compliance Evaluation	11
3.4 Site Interviews	11
3.5 Site Inspections	11
3.6 Opening and Closing Meetings	12
3.7 Consultation	12
3.8 Compliance Status Descriptors	14
3.9 Observations	14
4 Audit Findings	15
4.1 Approvals and Documents Audited	15
4.2 Compliance Performance	15
4.3 Summary of Agency Notices, Orders, Penalty Notices or Prosecutions	16
4.4 Non-compliances	16
4.5 Previous Audit Non-compliances and Recommendations	28
4.6 Environmental Management Plans, Sub-Plans and Compliance Documents	28
4.7 Other Relevant Matters	31
4.8 Consultation Outcomes	32
4.9 Complaints	32
4.10 Notified Incidents	33
4.11 Notified Non-compliances	36
4.12 Actual versus Predicted Environmental Impacts	38
4.13 Continual Environmental Management Improvement Opportunities	39
4.14 Key Strengths	40
5 Recommendations	41
5.1 Non-compliances	41
5.2 Observations	41
6 BHOP Response to Audit Findings	42
6.1 Non-compliances	42
6.2 Observations	42
7 Limitations of Audit	43
8 Conclusion	44
Appendix A: Independent Audit Table	45
Appendix B: Agency Comments and Auditors' Response	146
Appendix C: Agency Consultation	149
Appendix D: Planning Secretary's Endorsement of Lead Auditor	156
Appendix E: Independent Audit Declaration	157
Appendix F: Site Inspection Photographs	158

Audit Details

Operation Audited:	Broken Hill Operations Pty Ltd (BHOP), Rasp Mine, Broken Hill NSW 2880
Dates of Auditors' on-site attendance:	3 rd July – 7 th July 2023
BHOP Audit Contact:	Devon Roberts – Senior Environmental Advisor
Lead Auditor:	Kurt Hammerschmid B.App.Sc. (Chem), M.Sc., MEIANZ Lead / Principal Auditor Integrated Environmental Systems Pty Ltd PO Box 98, Battery Point, Tasmania 7004
Auditor:	Adam Jones B.Ec. LLB, B.Com, GradCertEnv Lawyer Suite 503, 9-13 Bronte Road, Bondi Junction NSW 2022
Scope of the Audit:	<ol style="list-style-type: none"> 1. This independent environmental audit was conducted in accordance with the NSW Government's <i>Independent Audit Post Approval Requirements</i>, issued in May 2020 (IPAR). 2. The scope of this audit included all conditions (but excluding Definitions and Appendices unless otherwise specified in this report) specified in consolidated Project Approval 07_0018 (as of 13 December 2022). 3. This audit was limited to the site of the BHOP Rasp Mine at 130 Eyre Street, Broken Hill NSW 2880. 4. The audit period for this audit is from 12th March 2022 (the day after the last day of the Auditors' on-site attendance at the March 2022 independent environmental audit) to 7th July 2023 (the last day of the Auditors' on-site attendance at this audit).
BHOP personnel interviewed during the Audit:	<ul style="list-style-type: none"> • Giorgio Dall'Armi – General Manager • Joel Sulicich – Manager Health, Safety, Environment and Training • Devon Roberts – Senior Environmental Advisor • Jacinta Clark – Environmental Graduate • Lisa Brownsdon – Training Coordinator • Michelle Marks – Commercial Superintendent • Allan Marks – Mill Maintenance Planner • Jack Roach – Mobile Plant Planner
BHOP personnel in attendance at Opening Meeting with Auditors on 3rd July 2023:	<ul style="list-style-type: none"> • Joel Sulicich – Manager Health, Safety, Environment and Training • Carlos Vanegas – Operations Manager • Michelle Marks – Commercial Superintendent • Brett Coulls – Electrical Maintenance Supervisor • Nathan Quinn – Maintenance Superintendent • Colby Butcher – Processing Superintendent • Paul Murray – Mining Superintendent • Devon Roberts – Senior Environmental Advisor • Jacinta Clark – Environmental Graduate
BHOP personnel in attendance at Closing Meeting with Auditors on 7th July 2023:	<ul style="list-style-type: none"> • Giorgio Dall'Armi – General Manager • Joel Sulicich – Manager Health, Safety, Environment and Training • Carlos Vanegas – Operations Manager • Michelle Marks – Commercial Superintendent • Colby Butcher – Processing Superintendent • Daniel Hitchcock – Metallurgy Superintendent • Lisa Brownsdon – Training Coordinator • Casey Howse – Electrical Superintendent • Paul Murray – Mining Superintendent • Eamonn Dare – Technical Services Superintendent • Adam Perry – Mobile Maintenance Manager • Devon Roberts – Senior Environmental Advisor • Jacinta Clark – Environmental Graduate

<p>BHOP Rasp Mine Operational Areas inspected between 3rd and 7th July 2023 (underground operations were not inspected):</p>	<p><u>3rd July 2023</u></p> <ul style="list-style-type: none"> TEOM1 and BAM monitoring location (Lawton Street) Proprietary Square and Iodide Street (CML7 surface exclusion zone) TSF2 northern embankment (external, near BHP original office chimney) Line of Lode Miners Memorial (example of waste rock capping) S49 Ryan Street Dam Environment Lab S14 House Dam Air monitoring station (at TSF2) TSF2 (from TSF2/Blackwood Pit lookout) <p><u>5th July 2023</u></p> <ul style="list-style-type: none"> Selected water use and storage facilities in water management system (including S22 Dam, S14 Dam, S49 Ryan Street Dam) Main workshop and surrounding area Bulk surface fuel storage facilities Laydown area Crusher enclosure Crusher baghouse Enclosed conveyors and transfer points Workshop (including maintenance planning office) Mill/processing plant Concentrate container loading shed Rail loadout area TSF1 and TSF2 (including TSF2 Embankment 2) TSF2 spillway Waste rock dump Representative HVAS units, TEOM units and dust deposition gauges Representative noise and blast vibration monitors 																																																																																																																																																																																																														
<p>Mill/processing plant operational status during site inspections:</p>	<p>3rd July 2023 – Mill not operational (i.e. not in production) 5th July 2023 – Mill operational (i.e. in production)</p>																																																																																																																																																																																																														
<p>BoM records of weather conditions at Broken Hill Airport (about 3km from southern boundary of site) in first week of July 2023, including during site inspections conducted from around 8:30am to 12:00pm on 3rd July 2023 and around 8:30am to 1:00pm on 5th July 2023:</p>	<p>Broken Hill Airport, New South Wales July 2023 Daily Weather Observations</p> <table border="1"> <thead> <tr> <th rowspan="2">Date</th> <th rowspan="2">Day</th> <th colspan="2">Temps</th> <th rowspan="2">Rain</th> <th rowspan="2">Evap</th> <th rowspan="2">Sun</th> <th colspan="3">Max wind gust</th> <th colspan="3">9 am</th> <th colspan="3">3 pm</th> </tr> <tr> <th>Min</th> <th>Max</th> <th>Dir</th> <th>Spd</th> <th>Time</th> <th>Temp</th> <th>RH</th> <th>Cld</th> <th>Dir</th> <th>Spd</th> <th>MSLP</th> <th>Temp</th> <th>RH</th> <th>Cld</th> <th>Dir</th> <th>Spd</th> <th>MSLP</th> </tr> <tr> <th colspan="2"></th> <th>°C</th> <th>°C</th> <th>mm</th> <th>mm</th> <th>hours</th> <th>km/h</th> <th>local</th> <th>°C</th> <th>%</th> <th>gth</th> <th>km/h</th> <th>hPa</th> <th>°C</th> <th>%</th> <th>gth</th> <th>km/h</th> <th>hPa</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Sa</td> <td>6.6</td> <td>12.5</td> <td>0.2</td> <td></td> <td></td> <td>SSW</td> <td>31</td> <td>09:27</td> <td>10.2</td> <td>77</td> <td>8</td> <td>S</td> <td>20</td> <td>1028.1</td> <td>12.3</td> <td>68</td> <td>8</td> <td>SSW</td> <td>17</td> <td>1027.1</td> </tr> <tr> <td>2</td> <td>Su</td> <td>5.5</td> <td>13.2</td> <td>0</td> <td></td> <td></td> <td>SE</td> <td>33</td> <td>10:50</td> <td>9.2</td> <td>72</td> <td>7</td> <td>SE</td> <td>17</td> <td>1033.0</td> <td>12.8</td> <td>59</td> <td>6</td> <td>ESE</td> <td>22</td> <td>1028.7</td> </tr> <tr> <td>3</td> <td>Mo</td> <td>5.5</td> <td>10.5</td> <td>0</td> <td></td> <td></td> <td>NE</td> <td>20</td> <td>12:23</td> <td>7.9</td> <td>89</td> <td>4</td> <td>E</td> <td>11</td> <td>1025.7</td> <td>10.0</td> <td>83</td> <td>8</td> <td>E</td> <td>9</td> <td>1020.9</td> </tr> <tr> <td>4</td> <td>Tu</td> <td>7.8</td> <td>11.2</td> <td>7.6</td> <td></td> <td></td> <td>SW</td> <td>24</td> <td>11:07</td> <td>9.4</td> <td>96</td> <td>7</td> <td>WSW</td> <td>13</td> <td>1015.3</td> <td>10.6</td> <td>86</td> <td>8</td> <td>WSW</td> <td>17</td> <td>1012.8</td> </tr> <tr> <td>5</td> <td>We</td> <td>7.0</td> <td>14.8</td> <td>0</td> <td></td> <td></td> <td>N</td> <td>33</td> <td>23:55</td> <td>11.1</td> <td>75</td> <td></td> <td>N</td> <td>11</td> <td>1016.5</td> <td>13.1</td> <td>59</td> <td>8</td> <td>N</td> <td>17</td> <td>1014.2</td> </tr> <tr> <td>6</td> <td>Th</td> <td>6.9</td> <td>13.8</td> <td>0</td> <td></td> <td></td> <td>N</td> <td>50</td> <td>08:56</td> <td>10.9</td> <td>64</td> <td>1</td> <td>N</td> <td>30</td> <td>1011.0</td> <td>13.5</td> <td>75</td> <td>1</td> <td>NNW</td> <td>28</td> <td>1008.2</td> </tr> <tr> <td>7</td> <td>Fr</td> <td>5.6</td> <td>14.6</td> <td>2.4</td> <td></td> <td></td> <td>NW</td> <td>44</td> <td>23:45</td> <td>9.3</td> <td>84</td> <td></td> <td>WNW</td> <td>19</td> <td>1019.3</td> <td>14.4</td> <td>52</td> <td>1</td> <td>NW</td> <td>26</td> <td>1018.0</td> </tr> </tbody> </table>	Date	Day	Temps		Rain	Evap	Sun	Max wind gust			9 am			3 pm			Min	Max	Dir	Spd	Time	Temp	RH	Cld	Dir	Spd	MSLP	Temp	RH	Cld	Dir	Spd	MSLP			°C	°C	mm	mm	hours	km/h	local	°C	%	g th	km/h	hPa	°C	%	g th	km/h	hPa	1	Sa	6.6	12.5	0.2			SSW	31	09:27	10.2	77	8	S	20	1028.1	12.3	68	8	SSW	17	1027.1	2	Su	5.5	13.2	0			SE	33	10:50	9.2	72	7	SE	17	1033.0	12.8	59	6	ESE	22	1028.7	3	Mo	5.5	10.5	0			NE	20	12:23	7.9	89	4	E	11	1025.7	10.0	83	8	E	9	1020.9	4	Tu	7.8	11.2	7.6			SW	24	11:07	9.4	96	7	WSW	13	1015.3	10.6	86	8	WSW	17	1012.8	5	We	7.0	14.8	0			N	33	23:55	11.1	75		N	11	1016.5	13.1	59	8	N	17	1014.2	6	Th	6.9	13.8	0			N	50	08:56	10.9	64	1	N	30	1011.0	13.5	75	1	NNW	28	1008.2	7	Fr	5.6	14.6	2.4			NW	44	23:45	9.3	84		WNW	19	1019.3	14.4	52	1	NW	26	1018.0
Date	Day			Temps					Rain	Evap	Sun	Max wind gust			9 am			3 pm																																																																																																																																																																																													
		Min	Max	Dir	Spd	Time	Temp	RH				Cld	Dir	Spd	MSLP	Temp	RH	Cld	Dir	Spd	MSLP																																																																																																																																																																																										
		°C	°C	mm	mm	hours	km/h	local	°C	%	g th	km/h	hPa	°C	%	g th	km/h	hPa																																																																																																																																																																																													
1	Sa	6.6	12.5	0.2			SSW	31	09:27	10.2	77	8	S	20	1028.1	12.3	68	8	SSW	17	1027.1																																																																																																																																																																																										
2	Su	5.5	13.2	0			SE	33	10:50	9.2	72	7	SE	17	1033.0	12.8	59	6	ESE	22	1028.7																																																																																																																																																																																										
3	Mo	5.5	10.5	0			NE	20	12:23	7.9	89	4	E	11	1025.7	10.0	83	8	E	9	1020.9																																																																																																																																																																																										
4	Tu	7.8	11.2	7.6			SW	24	11:07	9.4	96	7	WSW	13	1015.3	10.6	86	8	WSW	17	1012.8																																																																																																																																																																																										
5	We	7.0	14.8	0			N	33	23:55	11.1	75		N	11	1016.5	13.1	59	8	N	17	1014.2																																																																																																																																																																																										
6	Th	6.9	13.8	0			N	50	08:56	10.9	64	1	N	30	1011.0	13.5	75	1	NNW	28	1008.2																																																																																																																																																																																										
7	Fr	5.6	14.6	2.4			NW	44	23:45	9.3	84		WNW	19	1019.3	14.4	52	1	NW	26	1018.0																																																																																																																																																																																										

Audit Reference Table

Table 1 below cross-references the relevant section of the NSW Government's *Independent Audit Post Approval Requirements*, issued in May 2020 (IPAR) (first column) to the section of this audit report where the IPAR section is addressed (second column).

Table 1: July 2023 – Audit Reference Table

Relevant section of IPAR with summary of requirement	Section of this audit report where IPAR section is addressed
Section 3.1.1 (Auditor competence)	Sections 2.2 and 3.1, and Appendix D
Section 3.1.1 (Independence of Auditor and technical specialists)	Appendix E
Section 3.1.2 (Agreement to the Auditor)	Section 3.1 and Appendix D
Section 3.1.3 (Technical specialists)	Section 3.1 (technical specialists not required)
Section 3.2 (Scope development)	Sections 3.2, 3.7, 4.1 and 4.8, and Appendices B and C
Section 3.3.1.a (Audit scope – Assessment of compliance with all conditions of consent)	Sections 2.4 and 4.4, and Appendix A
Section 3.3.1.b (Audit scope – Assessment of compliance with all post approval and compliance documents)	Sections 2.4 and 4.6, and Appendix A
Section 3.3.2.a (Audit scope – Review of environmental performance including assessment of actual impacts compared to predicted impacts)	Section 4.12
Section 3.3.2.b (Audit scope – Review of environmental performance including physical extent of the development)	Section 4.12
Section 3.3.2.c (Audit scope – Review of environmental performance including incidents, non-compliances and complaints)	Sections 4.9, 4.10 and 4.11
Section 3.3.2.d (Audit scope – Review of environmental performance including the performance of the project having regard to agency policy and issues identified through consultation)	Sections 1, 4.7 and 8
Section 3.3.2.e (Audit scope – Review of environmental performance including feedback received from the DPE and other agencies and stakeholders)	Sections 1, 4.7 and 8, and Appendix B
Section 3.3.3 (Audit scope – Status of implementation of previous independent audit findings, recommendations and actions)	Section 4.5
Section 3.3.4 (Audit scope – High level assessment of whether Environmental Management Plans and Sub-plans are adequate)	Section 4.6
Section 3.3.5 (Audit scope – Any other matters considered relevant by the Auditor or the DPE)	Section 4.7
Section 3.4 (Opening and closing meetings)	Audit Details (page 4 of audit report) and Section 3.6
Section 3.5 (On-site interviews)	Audit Details (page 4 of audit report), Section 3.4 and Appendix A
Section 3.6 (Site inspections)	Audit Details (page 5 of audit report), Section 3.5 and Appendices A and F
Section 3.7.1 (Evaluation of compliance – Evidence based evaluation including: review of relevant records, interviews with site personnel, photographs, GIS figures as relevant and available, site inspections, monitoring data and analysis, delivery records)	Sections 3.3, 4.2 and 7, and Appendices A and F
Section 3.7.2 (Evaluation of compliance – Document evaluation)	Section 4.6 and Appendix A
Section 3.8 (Compliance status descriptors)	Sections 3.8 and 3.9, and Appendix A
Section 4.1 (Version control)	Page 2 of audit report
Section 4.2.1 (Contents – Introduction including: background of the Project, audit team, audit objectives, audit scope, temporal period covered by the audit)	Sections 2.1 to 2.5
Section 4.2.2.1 (Contents – Audit methodology – documentation from Planning Secretary agreeing to the Auditor)	Section 3.1 and Appendix D
Section 4.2.2.2 (Contents – Audit methodology – how the audit scope was developed)	Section 3.2
Section 4.2.2.3 (Contents – Audit methodology – summary of the audit process)	Section 3.3
Section 4.2.2.4 (Contents – Audit methodology – site personnel interviewed)	Audit Details (page 4 of audit report), Section 3.4 and Appendix A
Section 4.2.2.5 (Contents – Audit methodology – details of site inspections undertaken)	Audit Details (page 5 of audit report), Section 3.5 and Appendices A and F
Section 4.2.2.6 (Contents – Audit methodology – summary of the consultation undertaken)	Section 3.7

Relevant section of IPAR with summary of requirement	Section of this audit report where IPAR section is addressed
Section 4.2.2.7 (Contents – Audit methodology – meanings of compliance descriptors used)	Section 3.8
Section 4.2.3.1 (Contents – Audit findings – list of approvals and documents audited)	Section 4.1
Section 4.2.3.2 (Contents – Audit findings – summary of assessment of compliance)	Section 4.2
Section 4.2.3.3 (Contents – Audit findings – summary of any notices, orders, penalty notices or prosecutions issued in relation to the Project Approval during the audit period)	Section 4.3
Section 4.2.3.4 (Contents – Audit findings – exception reporting of all non-compliances identified during audit period)	Section 4.4
Section 4.2.3.5 (Contents – Audit findings – status of actions arising from previous audits and progress or outcomes of each action)	Section 4.5
Section 4.2.3.6 (Contents – Audit findings – adequacy of Environmental Management Plans, Sub-plans and compliance documents)	Section 4.6
Section 4.2.3.7 (Contents – Audit findings – other matters considered relevant by Auditor or the DPE)	Section 4.7
Section 4.2.3.8 (Contents – Audit findings – documentation of feedback from consultation with DPE and other agencies and stakeholders)	Section 4.8 and Appendices B and C
Section 4.2.3.9 (Contents – Audit findings – summary of and response to complaints)	Section 4.9
Section 4.2.3.10 (Contents – Audit findings – details of and management of incidents)	Section 4.10
Section 4.2.3.11 (Contents – Audit findings – actual and predicted impacts, and physical extent of development)	Section 4.12
Section 4.2.3.12 (Contents – Audit findings – evidence collected through site inspections)	Appendices A and F
Section 4.2.3.13 (Contents – Audit findings – evidence provided by personnel interviewed)	Appendix A
Section 4.2.3.14 (Contents – Audit findings – continual improvement opportunities)	Section 4.13
Section 4.2.3.15 (Contents – Audit findings – key strengths)	Section 4.14
Section 4.2.4 (Contents – Recommendations and opportunities for improvement)	Sections 3.9, 4.4 and 5, and Appendix A
Section 4.2.5.1 (Contents – Appendices – Independent Audit Table)	Appendix A
Section 4.2.5.2 (Contents – Appendices – agreement of Planning Secretary)	Appendix D
Section 4.2.5.3 (Contents – Appendices – consultation with DPE and other agencies or stakeholders)	Appendices B and C
Section 4.2.5.4 (Contents – Appendices – Independent Audit Declaration Form)	Appendix E
Section 4.2.5.5 (Contents – Appendices – reports by agreed technical specialists as required)	Section 3.1 (technical specialists not required)
Section 4.2.5.6 (Contents – Appendices – site inspection photographs)	Appendix F
Section 4.3.1 (Proponent review and response to draft audit report)	Document Title and History (page 2 of audit report)
Section 4.3.2 (Proponent response to audit findings)	Section 6
Section 4.4 (Declaration from Auditor)	Appendix E
Section 4.5 (Report submission)	Document Title and History (page 2 of audit report) and Section 2.6

1 Executive Summary

The Rasp Project is a lead/zinc/silver underground mine located in the centre of Broken Hill, NSW, and is known as the Rasp Mine.

This independent environmental audit of the Rasp Project was conducted by Integrated Environmental Systems Pty Ltd in July 2023. The audit team comprised Kurt Hammerschmid (Lead Auditor) and Adam Jones (Auditor). The Auditors attended the Rasp Mine at 130 Eyre Street, Broken Hill, from Monday 3rd July to Friday 7th July 2023.

The Proponent, Broken Hill Operations Pty Ltd (BHOP), continuously owned and operated the Rasp Mine during the audit period. The 'audit period' is defined as the period from 12th March 2022 (the day after the last day of the Auditors' on site attendance at the March 2022 independent environmental audit) to 7th July 2023 (the last day of the Auditors' on-site attendance at this audit).

This July 2023 audit was conducted in accordance with the NSW Government's *Independent Audit Post Approval Requirements*, issued in May 2020 (IPAR). The overall findings of this audit are as follows:

- All 75 conditions in the consolidated Project Approval 07_0018 (as of 13 December 2022) were audited. As recorded in this audit report, this audit identified 47 'compliant' findings, 16 'non-compliant' findings, and 12 'not triggered' findings.
- BHOP was compliant with 47 out of the 63 applicable conditions (i.e. all conditions except those which were 'not triggered').
- This audit report includes a recommendation for each of the 16 non-compliance audit findings.

This audit report includes 53 observations. Observations are provided for BHOP's consideration as opportunities for improvement, enabling continual improvement to be demonstrated in statutory compliance, risk reduction and environmental management, practices and performance across the operation.

No major or systemic (i.e. widespread) environmental issues were identified during this July 2023 audit. The Auditors consider that during the audit period, BHOP has maintained a high standard of environmental management of the Rasp Project.

2 Introduction

2.1 Background

Broken Hill Operations Pty Ltd (BHOP) is the owner and operator (the Proponent) of the Rasp Project. The Rasp Project is a lead/zinc/silver underground mine, known as the Rasp Mine, located in the centre of Broken Hill, NSW. Mining activity at the Rasp Mine site dates back to 1885.

BHOP is a wholly owned subsidiary of CBH Resources Limited, and in turn, CBH Resources Limited is a wholly owned subsidiary of Toho Zinc Co., Ltd, a Japanese company listed on the Tokyo Stock Exchange and specialising in non-ferrous metals refining.

BHOP continuously owned and operated the Rasp Project during the 'audit period', which is defined as the period from 12th March 2022 to 7th July 2023.

Project Approval 07_0018 was issued under the *Environmental Planning & Assessment Act 1979* (EP&A Act) and was originally granted by the delegate of the NSW Minister for Planning on 31 January 2011. Ten modifications of the Project Approval were subsequently granted under the EP&A Act, and are represented by the following type colours and descriptions in the consolidated Project Approval (as of 13 December 2022):

- Red type represents the March 2012 Modification (Mod 1 – Ventilation Shaft)
- Blue type represents the August 2014 Modification (Mod 2 – 24 Hour Primary Crusher)
- Green type represents the March 2015 Modification (Mod 3 – Block 7 Extension)
- Purple type represents the September 2017 Modification (Mod 4 – Tailings Storage Facility)
- Dark blue type represents the October 2018 Modification (Mod 5 – Cement Silo and Warehouse Extension)
- Orange type represents the July 2019 Modification (Mod 7 – Additional Crushing and Screening)
- Brown type represents the April 2021 Modification (Mod 8 – Underground Mining Extension)
- Pink type represents the December 2021 Modification (Mod 9 – Extension of Underground Exploration)
- Mustard type represents the March 2022 Modification (Mod 6 – Tailings Management and Underground Access)
- Lime Green type represents the December 2022 Modification (Mod 10 – Temporary Tailings Stockpile)

BHOP engaged Integrated Environmental Systems Pty Ltd to conduct this independent environmental audit in July 2023. Integrated Environmental Systems Pty Ltd also conducted three previous independent environmental audits of the Rasp Project in February 2016, February 2019 and March 2022.

This July 2023 audit was conducted in accordance with the NSW Government's *Independent Audit Post Approval Requirements*, issued in May 2020 (IPAR).

This July 2023 audit is intended to satisfy Schedule 4, Condition 7 of the consolidated Project Approval (as of 13 December 2022), which requires BHOP to commission an independent environmental audit of the Project within one year of physical commencement of development under Modification 6 (approved on 16 March 2022), and once every three years afterwards.

This audit report is the fifth independent environmental audit report completed at the Rasp Project (since the original grant of the Project Approval on 31 January 2011) and submitted to the NSW Department of Planning and Environment (DPE).

2.2 Audit Team

Integrated Environmental Systems Pty Ltd (presently based in Hobart, Tasmania) provides professional independent auditing and consultancy services in a number of specialised areas of environmental management within the resource, chemical, oil and gas and utilities industries.

Kurt Hammerschmid (Lead Auditor) has more than 35 years' experience in mining and environmental industries and more than 25 years' experience as a Lead Auditor.

As the Principal Auditor and Director of Integrated Environmental Systems Pty Ltd, Kurt Hammerschmid has extensive on-site environmental experience in the resources industry through previous employment with Energy Resources Australia at Ranger Uranium (NT), Comalco Minerals and Alumina at Weipa (Qld), Hamersley Iron at Dampier (WA) and Rio Tinto Environmental Services in Melbourne.

Kurt Hammerschmid holds a Bachelor's Degree in Environmental/Water Chemistry (1986) from the University of Canberra and a Master's Degree in Pollutant Loadings to the Hawkesbury/Nepean catchment, west of Sydney (Macquarie University, 1992).

Over the past 25 years, Kurt Hammerschmid has conducted over 750 environmental and integrated HSE Management System, HSE Legal Compliance and Environmental Performance Audits for a wide range of exploration, heavy industry and manufacturing clients including Newmont Mining Limited, BHP Billiton, Rio Tinto, Santos, Origin Energy, MMG, Oz Minerals, Tiwest, Energy Resources Australia, Rio Tinto Alcan, Ok Tedi Mining, Oxiana, Resolute Mining, B2Gold, and Glencore Australia.

Adam Jones (Auditor) has more than 20 years' experience as a legal practitioner in NSW and has been regularly contracted by Integrated Environmental Systems Pty Ltd to conduct environmental compliance audits in NSW and Queensland, including at previous independent environmental audits of the Rasp Project in 2016, 2019 and 2022. Adam Jones holds a Graduate Certificate of Environment (Macquarie University, 2021).

2.3 Audit Objectives

The objectives of this independent environmental audit were to assess the status of BHOP's compliance against the conditions of the consolidated Project Approval, and assess the Rasp Project against the matters required under Section 3.3 of the IPAR.

2.4 Audit Scope

The scope of this independent environmental audit included an assessment of BHOP's compliance with the applicable conditions of the consolidated Project Approval, and an assessment of the matters required under Section 3.3 of the IPAR.

For this independent environmental audit in July 2023, the conditions of Environment Protection Licence No. 12559 (EPL 12559) and Consolidated Mining Lease No. 7 (CML7), both of which were previously audited under the NSW Government's *Independent Audit Guideline, Post-approval requirements for State significant developments* (October 2015), were not within the audit scope. Schedule 4, Condition 7 of the consolidated Project Approval no longer requires an independent environmental audit to directly assess the Proponent's compliance with the requirements of EPL 12559 or CML7.

2.5 Audit Period

The period covered by this independent environmental audit ('audit period') is from 12th March 2022 (the day after completion of the on-site component of the March 2022 independent environmental audit) to 7th July 2023 (the last day of the Auditors' on-site attendance at this audit).

2.6 Audit Report Submission

Section 4.5 of the IPAR requires the submission of the final independent audit report and the Proponent's response to audit findings within two months of undertaking the independent audit site inspection, unless otherwise agreed with the Planning Secretary. The on-site component of this audit commenced on Monday morning 3rd July and concluded on Friday afternoon 7th July 2023.

BHOP intends to submit this audit report to the Planning Secretary via the Major Projects Portal on or before 6 September 2023 (i.e. within two months of 7 July 2023), unless otherwise agreed with the Secretary.

3 Audit Methodology

3.1 Selection and Endorsement of Auditors

BHOP engaged Integrated Environmental Systems Pty Ltd to conduct this independent environmental audit in July 2023. Integrated Environmental Systems Pty Ltd, comprising the audit team of Kurt Hammerschmid (Lead Auditor) and Adam Jones (Auditor), also conducted the three previous independent environmental audits of the Rasp Project, in February 2016, February 2019 and March 2022.

For this July 2023 audit, the Planning Secretary endorsed the appointment of the Lead Auditor by emailed letter on 15 June 2023. The Secretary's letter is reproduced in Appendix D of this audit report.

Schedule 4, Condition 7 of the consolidated Project Approval does not require BHOP to appoint technical specialists in an independent environmental audit of the Rasp Project. The Planning Secretary did not require BHOP to appoint technical specialists in this independent environmental audit.

3.2 Independent Audit Scope Development

The audit scope was developed according to the requirements in Schedule 4, Condition 7 of the consolidated Project Approval and Sections 3.2 and 3.3 of the IPAR. The audit scope development process included written consultation with the DPE and other relevant agencies (refer to Section 3.7 of this audit report).

The content of this audit report (including sub-headings and overall layout) was determined by the requirements in Section 4.2 of the IPAR. For example, the Independent Audit Table within Appendix A of this audit report was prepared in accordance with Section 4.2.5 of the IPAR.

Appendix B of this audit report sets out the environmental issues raised by the agencies which provided written responses to the Lead Auditor during the agency consultation process.

Appendix C of this audit report reproduces the audit consultation letters and agency responses received.

3.3 Compliance Evaluation

Unless otherwise indicated, in this audit report a reference to "BHOP", "BHO", "CBH" or "CBH Resources", is a reference to the Proponent (as defined in the Project Approval).

During this July 2023 audit, the Auditors assessed compliance with the Project Approval and the adequacy of documents, records and data by:

- interviews with BHOP personnel and verification of compliance against relevant conditions in the field; and
- 'sampling' a range of requested documents, records and data associated with the Rasp Project.

The nature of sampling during any form of compliance audit is such that it may not necessarily identify everything that BHOP is, or is not, doing in relation to an individual condition of the Project Approval.

The Lead Auditor's Independent Audit Declaration in respect of the conduct of this independent environmental audit is set out in Appendix E of this audit report.

3.4 Site Interviews

The Auditors attended the Rasp Mine in Broken Hill from Monday 3rd July to Friday 7th 2023. Interviews were conducted in person with relevant BHOP personnel. The BHOP personnel who were interviewed during this audit are identified in the 'Audit Details' pages of this audit report.

Compliance assessment information provided by BHOP personnel during this July 2023 audit, is recorded in the Independent Audit Table within Appendix A of this audit report in the 'Evidence Collected' column.

3.5 Site Inspections

The Auditors conducted site inspections at the Rasp Mine on 3rd July and 5th July 2023. The 'Audit Details' pages in this audit report identify the Rasp Mine surface areas which the Auditors inspected during their on-site attendance. Due to time restrictions and safety considerations, underground operations were not inspected.

Appendix F of this audit report comprises selected photographic evidence collected during these site inspections. These photographs are referred to in the 'Evidence Collected' column for the relevant condition in the Independent Audit Table within Appendix A of this audit report.

3.6 Opening and Closing Meetings

An on-site opening meeting was held on 3rd July 2023, and an on-site closing meeting was held on 7th July 2023. The attendees at the opening and closing meetings are listed in the attendance sheets reproduced below. Position titles of the attendees are indicated in the 'Audit Details' pages of this audit report.



Broken Hill Operations Pty Ltd
Attendance Sheet
BHO-FRM-SAF-030

Attendance Sheet

Department Name:		Administration (InControl #):	
Type of Meeting: <i>Independent Environmental Audit 2023</i>			
Date of Event: <i>3 July 2023</i>			
Time: <i>8:40 am - 9:00 am</i>	Location: <i>Conference Room</i>		

Attendees:	Department	Signature
<i>Jacinta Clark</i>	HSET	<i>[Signature]</i>
<i>Carlos Vanegas</i>	Operations	<i>[Signature]</i>
<i>Devan Roberts</i>	HSET	<i>[Signature]</i>
<i>Kit Hammerschmid</i>	Auditor	<i>[Signature]</i>
<i>Adam Jones</i>	Auditor	<i>[Signature]</i>
<i>Michelle Marks</i>	Commercial	<i>[Signature]</i>
<i>Brett Gullis</i>	Electrical	<i>[Signature]</i>
<i>EMMONN DALE</i>	TECH SERV.	<i>[Signature]</i>
<i>Nathan Quinn</i>	Maint	<i>[Signature]</i>
<i>COAST BUTCHER</i>	MINING	<i>[Signature]</i>
<i>PAUL MICERLA</i>	MINING	<i>[Signature]</i>
<i>JOEL SULICICH</i>	HSET MANAGER ACTING GM.	<i>[Signature]</i>

Approved by: HSET Manager | Issue Date: 08/06/2017 | Revision: No. 1.0 | Revision Date: 08/06/2019 | Page 1 of 1



Broken Hill Operations Pty Ltd
Attendance Sheet
BHO-FRM-SAF-030

Attendance Sheet

Department Name:		Administration (InControl #):	
Type of Meeting: <i>Independent Environmental Audit 2023 - closing meeting</i>			
Date of Event: <i>7 July 2023</i>			
Time: <i>11:05 am - 11:35 am</i>	Location: <i>Conference Room</i>		

Attendees:	Department	Signature
<i>Devan Roberts</i>	HSET	<i>[Signature]</i>
<i>Michelle Marks</i>	Commercial	<i>[Signature]</i>
<i>Casey House</i>	Electrical	<i>[Signature]</i>
<i>Adam Fern</i>	Mobile Maintenance	<i>[Signature]</i>
<i>Jacinta Clark</i>	HSET	<i>[Signature]</i>
<i>COAST BUTCHER</i>	MINING	<i>[Signature]</i>
<i>Daniel Hitchcock</i>	Metallurgy	<i>[Signature]</i>
<i>Eamon Dare</i>	Tech Services	<i>[Signature]</i>
<i>LISA BRANNISLOV</i>	HSET	<i>[Signature]</i>
<i>JOEL SULICICH</i>	HSET	<i>[Signature]</i>
<i>Carlos Vanegas</i>	Operations	<i>[Signature]</i>
<i>GIORGIO DALL'AGNANI</i>	MANAGER CORPORATE	<i>[Signature]</i>
<i>PAUL MICERLA</i>	MINING	<i>[Signature]</i>
<i>Kit Hammerschmid</i>	Lead Auditor	<i>[Signature]</i>
<i>Adam Jones</i>	Auditor	<i>[Signature]</i>

Approved by: HSET Manager | Issue Date: 08/06/2017 | Revision: No. 1.0 | Revision Date: 08/06/2019 | Page 1 of 1

At the opening meeting on 3rd July 2023, the objectives of the audit, the scope of the audit, the resources required and methodology to be applied were discussed.

At the closing meeting on 7th July 2023, preliminary audit findings were presented, recommendations were made, and post-audit actions and timing for preparation of this audit report were confirmed.

3.7 Consultation

In preparation for the on-site audit attendance, the Lead Auditor consulted 15 agencies as indicated in the emailed letters reproduced in Appendix C of this audit report, using the contact details set out below.

The agencies which responded in writing to the Lead Auditor's consultation letters are recorded below.

Rasp Project Independent Environmental Audit 2023 – Agencies which provided a written response to consultation letter				
Agency	Contact Name	Position Title	Email and Respondent's Details	Address (Street or PO Box)
Department of Regional NSW – Resources Regulator	Ben Gazi	Inspector Environment – Compliance Operations	ben.gazi@planning.nsw.gov.au Letter response of 29 June 2023 from: Jenny Ehmsen, Principal Compliance Auditor MAI – Enforcement	161 Kite Street, Orange NSW 2800
Biodiversity and Conservation Division – NSW DPE	Michael Todd	Senior Conservation Planning Officer	rog.southwest@environment.nsw.gov.au Email response of 29 June 2023 from: Simon Maffei, A/Senior Team Leader, Planning – South West	PO Box 1040, 512 Dean Street, Albury NSW 2640

The agencies which did not respond in writing to the Lead Auditor's consultation letters are recorded below.

Rasp Project Independent Environmental Audit 2023 – Agencies which did not provide a written response to consultation letter				
Agency	Contact Name	Position Title	Email	Address (Street or PO Box)
NSW Department of Planning and Environment (DPE)	Katrina O'Reilly	Team Leader Compliance	katrina.oreilly@planning.nsw.gov.au	4 Parramatta Square, 12 Darcy Street Parramatta NSW 2150
NSW Environment Protection Authority	Jason Price	Acting Unit Head – Regulatory Operations Regional	riverina.farwest@epa.nsw.gov.au	48-52 Wingewarra Street Dubbo NSW 2830
Department of Regional NSW – Mining, Exploration and Geoscience	Christine Fawcett	Manager Environmental Operations	christine.fawcett@planning.nsw.gov.au	516 High Street Maitland NSW 2320
Broken Hill City Council	Tracey Stephens	Acting Manager Planning, Development and Compliance	tracey.stephens@brokenhill.nsw.gov.au	240 Blende Street Broken Hill NSW 2880
NSW DIPE Water, and Natural Resources Access Regulator	Tim Baker	Senior Water Regulation Officer	tim.baker@dpie.nsw.gov.au	4 Parramatta Square, 12 Darcy Street Parramatta NSW 2150
Heritage NSW	Tempe Beaven	Senior Heritage Assessment Officer	tempe.beaven@environment.nsw.gov.au	Level 6, 10 Valentine Avenue Parramatta NSW 2150
Transport for NSW	Howard Orr	Team Leader	development.western@transport.nsw.gov.au	Level 1, 51-55 Currajong Street Parkes NSW 2870
Dams Safety NSW	Heather Middleton	Manager Mining Impacts	info@damsafety.nsw.gov.au	4 Parramatta Square, 12 Darcy Street Parramatta NSW 2150
Crown Land – NSW DPE	Shaun Barker	Group Leader, Natural Resources and Property Management	shaun.barker@crownland.nsw.gov.au	45 Wingewarra Street Dubbo NSW 2830
Maari Ma Health	Kaylene Kemp	Executive Manager, Primary Health Care Service	info@maarima.com.au	439-443 Argent Street Broken Hill NSW 2880
Far West Local Health District (NSW Health)	Leanne Hastwell	Manager Community Health	leanne.hastwell@health.nsw.gov.au	Broken Hill Community Health Centre, 1 st Floor, 2-4 Sulphide Street Broken Hill NSW 2880
Broken Hill Environmental Lead Program (BHELP)	Judith Louvel	Unit Head	judith.louvel@epa.nsw.gov.au	32 Sulphide Street Broken Hill NSW 2880
Broken Hill Lead Reference Group (BHLRG)	Jessica Ierace	Chairperson	council@brokenhill.nsw.gov.au	240 Blende Street Broken Hill NSW 2880

3.8 Compliance Status Descriptors

The Auditors assessed BHOP's compliance with each condition of the consolidated Project Approval in accordance with the following compliance status descriptors, as required in Section 3.8 (Table 2) of the IPAR.

Status	Description
Compliant	The auditor has collected sufficient verifiable evidence to demonstrate that all elements of the requirement have been complied with within the scope of the audit.
Non-compliant	The auditor has determined that one or more specific elements of the conditions or requirements have not been complied with within the scope of the audit.
Not triggered	A requirement has an activation or timing trigger that has not been met during the temporal scope of the audit being undertaken (may be a retrospective or future requirement), therefore an assessment of compliance is not relevant.

3.9 Observations

Section 3.8 of the IPAR notes that: "As part of the Audit evaluation, the auditor may make observations, including identifying any opportunities for improvement in relation to any compliance requirement or any other aspect of the project."

The Auditors have made observations in accordance with Section 3.8 of the IPAR. The numbered observations included in the Independent Audit Table within Appendix A of this audit report are in addition to the compliance status descriptors in Section 3.8 of this audit report.

4 Audit Findings

4.1 Approvals and Documents Audited

The Auditors conducted this independent environmental audit as required by Schedule 4, Condition 7 of consolidated Project Approval 07_0018 in accordance with the IPAR.

Consolidated Project Approval 07_0018 is the “consent” referred to in Schedule 4, Condition 7 and is the only approval instrument that was required to be directly audited.

As part of this independent environmental audit, the Auditors reviewed the relevant Strategies, Plans and Programs listed in Section 4.6 of this audit report. Each Project Approval condition of consent in the Independent Audit Table within Appendix A of this audit report also identifies the documents and records that were reviewed during this independent environment audit.

The Auditors have considered Section 3.2 of the IPAR, and investigated environmental issues which were raised by agencies during the audit consultation process. Specifically, and as noted in Appendix B of this audit report, the Auditors assessed the matters raised by the Resources Regulator in its letter of 29 June 2023 (extract below):

“The independent environmental audit is required to assess compliance against the relevant environmental management conditions of the mining leases up to 1 July 2022, including implementation of the mining operations plan for the site.

From 2 July 2022, the independent environmental audit should provide an assessment of compliance with the requirements of Schedule 8A Standard conditions of mining leases, Part 2 Standard conditions, as set out in the Mining Regulation 2016. It is noted that CML7 and the 4 mining purposes leases that comprise the Rasp Mine have been approved by the Regulator to be treated as a single lease for the purposes of Part 2 of Schedule 8A.

The audit should note observations where rehabilitation procedures, practices and outcomes represent best industry practice.”

The Auditors’ investigations of the matters raised by the Resources Regulator are recorded in the Agency Consultation Comments and Auditors’ Response table within Appendix B of this audit report. Where relevant, the outcomes of these investigations have also been incorporated into the Independent Audit Findings and Recommendations in the Independent Audit Table within Appendix A of this audit report.

4.2 Compliance Performance

Table 2 below summarises BHOP’s performance against the conditions of the consolidated Project Approval as identified in this July 2023 audit. The Auditors identified that BHOP was compliant with 47 out of the 63 conditions which had been triggered as of July 2023.

Table 2: July 2023 Audit – Summary of Compliance Performance

Condition and Audit Finding	Compliant	Non-compliant	Not triggered
Consolidated Project Approval 07_0018 (as of 13 December 2022) Schedule 2 (13 conditions)	7	3	3
Consolidated Project Approval 07_0018 (as of 13 December 2022) Schedule 3 (48 conditions)	33	10	5
Consolidated Project Approval 07_0018 (as of 13 December 2022) Schedule 4 (14 conditions)	7	3	4
Total (75 Conditions)	47	16	12

4.3 Summary of Agency Notices, Orders, Penalty Notices or Prosecutions

During the audit period, BHOP received only one notice, order, penalty notice or prosecution issued by a regulator in relation to the consolidated Project Approval, as follows:

1. On 3 January 2023 BHOP received an Official Caution from NSW Planning in relation to non-compliance with Schedule 2, Condition 8 (Structural Adequacy) of the consolidated Project Approval.

The Official Caution followed the 'administrative non-compliance' audit finding against Project Approval Schedule 2, Condition 8 in the March 2022 independent environmental audit report issued on 1 June 2022. During the March 2022 audit, BHOP could not provide evidence that the Concrete Batching Plant and the Stores Extension had been constructed in accordance with relevant Building Code of Australia requirements. Due to the non-compliance persisting into this audit period until 13 March 2023 and the issuing of the Official Caution, the Auditors identified a repeat 'non-compliant' audit finding against Project Approval Schedule 2, Condition 8 in this audit report.

On 13 March 2023, Broken Hill City Council issued Building Information Certificates for the Concrete Batching Plant and the Stores Extension. These Building Information Certificates are evidence that BHOP has rectified the non-compliance against Project Approval Schedule 2, Condition 8.

4.4 Non-compliances

Appendix A of this audit report contains an Independent Audit Table which records the assessment of BHOP's compliance against each condition of consent in Schedules 2, 3 and 4 of the consolidated Project Approval.

Section 4.2 of this audit report provides a summary of non-compliances. Table 3 below is extracted from Appendix A of this audit report, and shows only the 'non-compliance' audit findings and recommendations against the relevant conditions of consent.

**Table 3: July 2023 Audit – Non-compliances and Recommendations
against consolidated Project Approval 07_0018 (as of 13 December 2022)**

Condition of Consent	Condition Requirement	Non-compliance	Recommendation	Unique ID for non-compliance
Schedule 2 Condition 1	<p>Obligation to minimise harm to the environment</p> <p>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.</p>	<p>Non-compliance No. 1</p> <p>Despite having implemented measures to prevent and/or minimise any material harm to the environment, the environmental incidents which occurred during the audit period (INX Nos. 7687, 7846, 8036, 8370 and 8536) are evidence that on infrequent occasions, BHOP had not taken 'all' reasonable measures to prevent and/or minimise any material harm to the environment (i.e. which the Project Approval defines as including potential harm) that may result from the construction, operation or rehabilitation of the Rasp Project.</p>	<p>Recommendation No. 1</p> <p>BHOP should ensure that all reasonable and feasible corrective and preventative actions in response to the environmental incidents in INX Nos. 7687, 7846, 8036, 8370 and 8536 are tracked and closed out in INX InControl.</p>	NC1
Schedule 2 Condition 8	<p>Structural Adequacy</p> <p>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.</p> <p><i>Notes to Condition 8:</i></p> <ul style="list-style-type: none"> Under Part 6 of the EP&A Act, the Proponent is required to obtain construction and occupation certificates for the proposed building works; and <p><i>Parts 1-9 of the Environmental Planning and Assessment (Development Certification and Fire Safety) Regulation 2021 sets out the requirements for the certification of the project.</i></p>	<p>Non-compliance No. 2</p> <p>On 3 January 2023, NSW Planning issued an Official Caution to Broken Hill Operations Pty Ltd (BHOP) for failing to obtain construction certificates for the concrete batching plant and warehouse extension at the RASP Mine.</p>	<p>Recommendation No. 2</p> <p>No action is required to rectify this non-compliance (i.e. the required Building Information Certificates were issued by Broken Hill City Council on 13 March 2023). When planning a construction project, BHOP should review whether the requirements of Project Approval Schedule 2, Condition 8 will apply to that project, and if applicable, include the relevant BCA requirements in the project schedule.</p>	NC2
Schedule 2 Condition 10	<p>Operation of Plant and Equipment</p> <p>The Proponent shall ensure that all the plant and equipment used on site, or to transport materials to and from the site, is:</p> <p>(a) maintained in a proper and efficient condition; and</p> <p>(b) operated in a proper and efficient manner.</p>	<p>Non-compliance No. 3</p> <p>BHOP was unable to demonstrate that it maintained plant and equipment in a proper and efficient condition in relation to the environmental incidents INX Nos. 7687, 7846, 8036, 8370 and 8536 which occurred during the audit period.</p>	<p>Recommendation No. 3</p> <p>BHOP should ensure that all reasonable and feasible corrective and preventative actions in response to the environmental incidents in INX Nos. 7687, 7846, 8036, 8370 and 8536 are tracked and closed out in INX InControl.</p>	NC3

Condition of Consent	Condition Requirement	Non-compliance	Recommendation	Unique ID for non-compliance																													
<p>Schedule 3 Condition 2</p>	<p>Air Quality and Greenhouse Gas – Greenhouse Gas Emissions</p> <p>The Proponent shall implement all reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site to the satisfaction of the Secretary.</p>	<p>Non-compliance No. 4</p> <p>BHOP was unable to provide evidence that it has implemented 'all' reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site, because BHOP could not provide evidence that it has implemented all management measures described in section 6.15 of the Air Quality Management Plan.</p>	<p>Recommendation No. 4</p> <p>BHOP should implement the first and fifth management measures described in section 6.15 of the Air Quality Management Plan; i.e. document a procedure or checklist regarding consideration of energy efficiency during procurement for both diesel and electric power equipment; and report on annual emission estimations and abatement strategies within each Annual Review.</p>	<p>NC4</p>																													
<p>Schedule 3 Condition 3</p>	<p>Air Quality and Greenhouse Gas – Air Quality Criteria</p> <p>The Proponent shall ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the project do not cause an exceedance of the criteria listed in Tables 1, 2 or 3 at any residence on privately-owned land.</p> <p>Table 1: Long Term Criteria for Particulate Matter</p> <table border="1"> <thead> <tr> <th>Pollutant</th> <th>Averaging Period</th> <th>^d Criterion</th> </tr> </thead> <tbody> <tr> <td>Total solid particles (TSP)</td> <td>Annual</td> <td>^a 90 µg/m³</td> </tr> <tr> <td>Particulate matter < 10 µm (PM₁₀)</td> <td>Annual</td> <td>^a 25 µg/m³</td> </tr> <tr> <td>Particulate matter < 2.5 µm (PM_{2.5})</td> <td>Annual</td> <td>^a 8 µg/m³</td> </tr> </tbody> </table> <p>Table 2: Short Term Criterion for Particulate Matter</p> <table border="1"> <thead> <tr> <th>Pollutant</th> <th>Averaging Period</th> <th>^d Criterion</th> </tr> </thead> <tbody> <tr> <td>Particulate matter < 10 µm (PM₁₀)</td> <td>24 hour</td> <td>^a 50 µg/m³</td> </tr> <tr> <td>Particulate matter < 2.5 µm (PM_{2.5})</td> <td>24 hour</td> <td>^a 25 µg/m³</td> </tr> </tbody> </table> <p>Table 3: Long Term Criteria for Deposited Dust</p> <table border="1"> <thead> <tr> <th>Pollutant</th> <th>Averaging Period</th> <th>Maximum Project Contribution</th> <th>Maximum Total Deposited Dust Level</th> </tr> </thead> <tbody> <tr> <td>^c Deposited dust</td> <td>Annual</td> <td>^b 2 g/m²/month</td> <td>^a 4 g/m²/month</td> </tr> </tbody> </table> <p>Notes to Tables 1-3:</p> <ul style="list-style-type: none"> ^a Total impact (i.e. incremental increase in concentrations due to the project plus background concentrations due to all other sources). ^b Incremental impact (i.e. incremental increase in concentrations due to the project on its own). ^c Deposited dust is to be assessed as insoluble acids as defined by Standard Australia, AS/NZS 3590.10.1.2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulate Matter - Deposited Matter - Gravimetric Method. ^d Excludes extraordinary events such as bushfires, prescribed burning, dust storms, fire incidents, illegal activities or any other activity agreed by the Secretary in consultation with EPA. 	Pollutant	Averaging Period	^d Criterion	Total solid particles (TSP)	Annual	^a 90 µg/m ³	Particulate matter < 10 µm (PM ₁₀)	Annual	^a 25 µg/m ³	Particulate matter < 2.5 µm (PM _{2.5})	Annual	^a 8 µg/m ³	Pollutant	Averaging Period	^d Criterion	Particulate matter < 10 µm (PM ₁₀)	24 hour	^a 50 µg/m ³	Particulate matter < 2.5 µm (PM _{2.5})	24 hour	^a 25 µg/m ³	Pollutant	Averaging Period	Maximum Project Contribution	Maximum Total Deposited Dust Level	^c Deposited dust	Annual	^b 2 g/m ² /month	^a 4 g/m ² /month	<p>Non-compliance No. 5</p> <p>During the audit period, on five occasions BHOP was unable to comply with the 24-hour averaging period in Table 2 for particulate matter analysis (INX Nos. 7698, 7872, 8275, 8316 and 8776) and on one occasion BHOP was unable to comply with the monthly monitoring requirement in Table 3 for deposited dust analysis (INX No. 7783).</p>	<p>Recommendation No. 5</p> <p>BHOP should ensure that all reasonable and feasible corrective and preventative actions in response to the non-compliance events in INX Nos. 7698, 7783, 7872, 8275, 8316 and 8776 are tracked and closed out in INX InControl.</p>	<p>NC5</p>
Pollutant	Averaging Period	^d Criterion																															
Total solid particles (TSP)	Annual	^a 90 µg/m ³																															
Particulate matter < 10 µm (PM ₁₀)	Annual	^a 25 µg/m ³																															
Particulate matter < 2.5 µm (PM _{2.5})	Annual	^a 8 µg/m ³																															
Pollutant	Averaging Period	^d Criterion																															
Particulate matter < 10 µm (PM ₁₀)	24 hour	^a 50 µg/m ³																															
Particulate matter < 2.5 µm (PM _{2.5})	24 hour	^a 25 µg/m ³																															
Pollutant	Averaging Period	Maximum Project Contribution	Maximum Total Deposited Dust Level																														
^c Deposited dust	Annual	^b 2 g/m ² /month	^a 4 g/m ² /month																														

Condition of Consent	Condition Requirement	Non-compliance	Recommendation	Unique ID for non-compliance
Schedule 3 Condition 11A	<p>Air Quality and Greenhouse Gas – Air Quality Management Plan</p> <p>The Proponent must implement the Air Quality Management Plan as approved by the Secretary.</p>	<p>Non-compliance No. 6</p> <p>As of July 2023, BHOP has not implemented some aspects of the Air Quality Management Plan (AQMP), including:</p> <ul style="list-style-type: none"> the water spray system on TSF2 was not installed and tested by the scheduled date of 31 March 2021 referred to in section 10.5.1 of the AQMP; and there is no functional water spray system on the ROM Pad – Table B1 in the AQMP includes the following control action for 'ROM Stockpile Wind Erosion': "Water sprays will be mounted on the ROM stockpile wind breaks and directed at stockpiles and haul truck dumping areas." 	<p>Recommendation No. 6</p> <p>BHOP should review the Air Quality Management Plan to verify that all management measures described in the AQMP have been implemented or assessed as feasible to implement within any specified timeframes.</p>	NC6
Schedule 3 Condition 14	<p>Lead Awareness and Public Health – Updated Human Health Risk Assessment</p> <p>Within one year of the commencement of operation of the project, and every five years thereafter, unless otherwise agreed by the Secretary, the Proponent shall update the human health risk assessment prepared for the project and presented in the EA to the satisfaction of the Secretary. The updated risk assessment shall:</p> <ol style="list-style-type: none"> be prepared by a suitably-qualified expert whose appointment has been endorsed by the Secretary; take into account monitoring data collected under this approval, and such other information as may be relevant to the assessment; and be prepared in consultation with the EPA and the NSW Health (Western NSW Local Health District). 	<p>Non-compliance No. 7</p> <p>In relation to paragraph (a) of this condition, during the audit period BHOP was unable to obtain the Secretary's endorsement of the preparer of the December 2020 Human Health Risk Assessment report; Tarah Hagen (MSc, DABT, RACTRA), as a suitably qualified expert.</p>	<p>Recommendation No. 7</p> <p>No action is required to rectify this non-compliance (i.e. the required endorsement was issued by the Secretary on 10 July 2023). BHOP should request and obtain the Secretary's endorsement of the relevant expert prior to preparation of the next updated Human Health Risk Assessment.</p>	NC7

Condition of Consent	Condition Requirement	Non-compliance	Recommendation	Unique ID for non-compliance																																						
<p>Schedule 3 Condition 18</p>	<p>Noise and Vibration – Blasting Limits</p> <p>The Proponent shall ensure that blasting on the site does not cause exceedances of the criteria in Tables 8 and 9.</p> <p><small>Table 8: Blasting Criteria (excluding Block 7)</small></p> <table border="1"> <thead> <tr> <th>Location</th> <th>Airblast Overpressure (dB(Lin Peak))</th> <th>Ground Vibration (mm/s)</th> <th>* Allowable Exceedance <small>^b 5% of the total number of blasts over a 12 month period</small></th> </tr> </thead> <tbody> <tr> <td rowspan="2">Residence on privately owned land</td> <td>115</td> <td>5</td> <td></td> </tr> <tr> <td>120</td> <td>10</td> <td>0%</td> </tr> <tr> <td>Public Infrastructure</td> <td>-</td> <td>100</td> <td>0%</td> </tr> </tbody> </table> <p><small>Table 9: Blasting Criteria (Block 7)</small></p> <table border="1"> <thead> <tr> <th>Location</th> <th>Airblast Overpressure (dB(Lin Peak))</th> <th>Ground Vibration (mm/s)</th> <th>* Allowable Exceedance <small>^b 5% of the total number of blasts over a 12 month period</small></th> </tr> </thead> <tbody> <tr> <td rowspan="2">Residence on privately owned land</td> <td>115</td> <td>^c 3 (interim)</td> <td></td> </tr> <tr> <td>120</td> <td>10</td> <td>0%</td> </tr> <tr> <td>Broken Hill Bowling Club, Itallo (Borcoe) Club, Heritage Items within CML 7</td> <td>-</td> <td>50</td> <td>0%</td> </tr> <tr> <td>Penitya Southern Operations</td> <td>-</td> <td>100</td> <td>0%</td> </tr> <tr> <td>^dPublic Infrastructure</td> <td>-</td> <td>100</td> <td>0%</td> </tr> </tbody> </table> <p>These criteria do not apply if the Proponent has a written agreement with the relevant owner to exceed these criteria, and has advised the Department in writing of the terms of this agreement.</p> <p><small>Notes to Tables 8 and 9:</small></p> <ul style="list-style-type: none"> * The allowable exceedance must be calculated separately for development blasts and production blasts; ^a The 5% allowable exceedance does not apply to production blasts until the Proponent has successfully completed a Pollution Reduction Program aimed at achieving this goal, as required by the EPA under the Proponent's EPL (No. 12556), or as otherwise agreed with the EPA; ^b The interim criteria applies unless and until such time that the Proponent has written consent from the Secretary to apply site specific criteria in accordance with condition 19 of this approval; and ^c The Proponent must close South Road to pedestrians if blasts are expected to exceed a peak particle velocity ground vibration of its limits at the road reserve surface, while the blast being occurs. 	Location	Airblast Overpressure (dB(Lin Peak))	Ground Vibration (mm/s)	* Allowable Exceedance <small>^b 5% of the total number of blasts over a 12 month period</small>	Residence on privately owned land	115	5		120	10	0%	Public Infrastructure	-	100	0%	Location	Airblast Overpressure (dB(Lin Peak))	Ground Vibration (mm/s)	* Allowable Exceedance <small>^b 5% of the total number of blasts over a 12 month period</small>	Residence on privately owned land	115	^c 3 (interim)		120	10	0%	Broken Hill Bowling Club, Itallo (Borcoe) Club, Heritage Items within CML 7	-	50	0%	Penitya Southern Operations	-	100	0%	^d Public Infrastructure	-	100	0%	<p>Non-compliance No. 8</p> <p>On 22 July 2022 the V4 monitor at 123 Eyre Street/Bowls Club returned a reading of 7.75mm/s as a result of blasting in Block 7, and this blast also exceeded criteria for overpressure levels resulting from blasting.</p>	<p>Recommendation No. 8</p> <p>BHOP could consider the feasibility of negotiating written agreements with relevant owners to exceed relevant criteria in Tables 8 and 9 of this condition.</p>	<p>NC8</p>
Location	Airblast Overpressure (dB(Lin Peak))	Ground Vibration (mm/s)	* Allowable Exceedance <small>^b 5% of the total number of blasts over a 12 month period</small>																																							
Residence on privately owned land	115	5																																								
	120	10	0%																																							
Public Infrastructure	-	100	0%																																							
Location	Airblast Overpressure (dB(Lin Peak))	Ground Vibration (mm/s)	* Allowable Exceedance <small>^b 5% of the total number of blasts over a 12 month period</small>																																							
Residence on privately owned land	115	^c 3 (interim)																																								
	120	10	0%																																							
Broken Hill Bowling Club, Itallo (Borcoe) Club, Heritage Items within CML 7	-	50	0%																																							
Penitya Southern Operations	-	100	0%																																							
^d Public Infrastructure	-	100	0%																																							
<p>Schedule 3 Condition 21</p>	<p>Soil and Water</p> <p>Except as may be expressly provided by an Environment Protection Licence issued under the <i>Protection of the Environment Operations Act 1997</i>, the Proponent shall comply with section 120 of that Act, which prohibits the pollution of waters.</p>	<p>Non-compliance No. 9</p> <p>Four of the environmental incidents which occurred during the audit period (INX Nos. 7687, 7846, 8036 and 8536) are evidence that on infrequent occasions, BHOP has temporarily polluted “waters” as defined in the <i>Protection of the Environment Operations Act 1997</i> (i.e. polluted any water which may have existed in drainage channels in the vicinity of the Rasp Mine during the occurrence of these incidents, prior to BHOP’s clean-up of these channels).</p>	<p>Recommendation No. 9</p> <p>BHOP should implement all reasonable and feasible measures to control and prevent off-site releases of contaminated water.</p>	<p>NC9</p>																																						

Condition of Consent	Condition Requirement	Non-compliance	Recommendation	Unique ID for non-compliance
Schedule 3 Condition 23	<p>Soil and Water – Water Management Plan</p> <p>The Proponent shall prepare and implement a Water Management Plan for the project to the satisfaction of the Secretary. This plan must be consistent with the Stormwater Management Plan presented as Annexure K to the EA, incorporate any changes to reflect the final detailed design of the project, and be prepared in consultation with EPA, DPE Water and RR. The plan must: be submitted to the Secretary for approval by the end of June 2011, and must include:</p> <p>(a) a Site Water Balance, which must:</p> <ul style="list-style-type: none"> • include details of: <ul style="list-style-type: none"> o sources and security of water supply; o methods to monitor, measure and manage reporting on water take (exempt and licensable); o water use on site; o water management on site; o any off-site water transfers; and • investigate and implement all reasonable and feasible measures to minimise water use by the project; <p>(b) an Erosion and Sediment Control Plan, which must:</p> <ul style="list-style-type: none"> • identify activities that could cause soil erosion, generate sediment or affect flooding; • describe measures to minimise soil erosion and the potential for transport of sediment to downstream waters, and manage flood risk; • describe the location, function and capacity of erosion and sediment control structures and flood management structures; and • describe what measures would be implemented to maintain the structures over time; <p>(c) a Surface Water Management Plan, which must include:</p>	<p>Non-compliance No. 10</p> <p>In relation to paragraph (c) of this condition:</p> <ul style="list-style-type: none"> • The June 2019 Site Water Management Plan (SWMP) does not include the required baseline data on surface water flows and quality in creeks and other waterbodies that could potentially be affected by the project. Section 3.3 presents local temperature and rainfall data, but does not relate this data to the potential quantity or quality of surface water flows at the two off-site monitoring locations (i.e. upstream of Acacia Creek, and within Stephens Creek) referred to in section 8.2 (EPL monitoring points 35 and 36). It is noted that section 12.5 of the previous SWMP (Golder Associates, dated 30 April 2012, report number 097626108-007-R-Rev11) states that “catchment water quality is expected to contain concentrations of lead and other heavy metals above the conventional water quality guideline limits...”; • The SWMP does not include surface water and stream health impact assessment criteria including trigger levels for investigating any potentially adverse surface water impacts. Section 8.4 describes contingency measures (pumping to lower the water level in Horwood Dam) if the measured water quality in Horwood Dam is considered to be a risk to the receiving environment (such as the downstream creek and Stephens Creek Reservoir), and section 10 includes a surface water quality TARP, with trigger levels referable to groundwater water quality results in August 2011 at Shaft 7. However, sections 8.4 and 10 do not define impact assessment criteria at the two off-site monitoring locations referred to in section 8.2; 	<p>Recommendation No. 10</p> <p>In the next revision of the Site Water Management Plan, BHOP should include additional content which addresses the requirements in paragraph (c) of this condition.</p>	NC10

Condition of Consent	Condition Requirement	Non-compliance	Recommendation	Unique ID for non-compliance
	<ul style="list-style-type: none"> • detailed baseline data on surface water flows and quality in creeks and other waterbodies that could potentially be affected by the project; • surface water and stream health impact assessment criteria including trigger levels for investigating any potentially adverse surface water impacts; • a program to monitor and assess: <ul style="list-style-type: none"> ○ surface water flows and quality; ○ impacts on water users; ○ stream health; ○ channel stability; and • detail relocated and additional water management infrastructure required by Modification 6 including the boxcut, water storage S37, the TSF3 and “free areas”. <p>(d) a Groundwater Monitoring Program, which must:</p> <ul style="list-style-type: none"> • provide a program to monitor seepage movement within and adjacent to all tailings storage facilities (the TSF1, TSF2 and TSF3); • include details of parameters and pollutants to be monitored for: <ul style="list-style-type: none"> ○ water from mine dewatering; ○ groundwater locations to the east of TSF1; ○ surface water represented by Horwood Dam; ○ water captured by the toe drains of the tailings storage facility; ○ water seepage from the tailings storage facility; and ○ the background local groundwater system. • outline performance parameters against monitoring data will be compared to determine whether seepage is occurring, and whether an unacceptable impact on local groundwater may be occurring; 	<ul style="list-style-type: none"> • The SWMP does not identify whether there are potential impacts of surface water flows from the site, on off-site water users, and if potential impacts are identified, include a program to monitor and assess those potential impacts. It is noted that Section 12.1 of the previous Site Water Management Plan (dated 30 April 2012, Golder Associates, report number 097626108-007-R-Rev11) stated: “It is predicted that overflows during extreme rainfall events greater than the 1 in 100 year storm event, will not directly affect the hydrology of the local catchment.”; and • The SWMP does not include details of relocated and additional water management infrastructure required by Modification 6 including the boxcut, water storage S37, the TSF3 and “free areas”. 		

Condition of Consent	Condition Requirement	Non-compliance	Recommendation	Unique ID for non-compliance
	<ul style="list-style-type: none"> include details of contingency measures to be implemented in the event that an unacceptable impact is identified. 			
Schedule 3 Condition 29	<p>Transport – Traffic Management Plan</p> <p>The Proponent shall prepare and implement a traffic management plan to the satisfaction of the Secretary. The plan shall focus on traffic management during construction of the project, and must be developed in consultation with the TfNSW and Council. The plan must be submitted for the approval of the Secretary prior to the commencement of construction.</p>	<p>Non-compliance No. 11</p> <p>As of July 2023, BHOP's Principal Hazard Management Plan – Roads or other Vehicle Operating Areas (BHO-PLN-SAF-004, Revision 5, issued 12 December 2021), has not been prepared in consultation with TfNSW and Broken Hill City Council, and has not been submitted to the Secretary for approval prior to the Mod 6 and Mod 10 works which commenced during the audit period.</p>	<p>Recommendation No. 11</p> <p>In consultation with TfNSW and Broken Hill City Council, BHOP could either:</p> <ul style="list-style-type: none"> revise the Principal Hazard Management Plan – Roads or other Vehicle Operating Areas (BHO-PLN-SAF-004, Revision 5, issued 12 December 2021) to include measures to manage potential off-site impacts of on-site and off-site traffic movements, and then submit the revised Plan to the Secretary for approval; or revise the former Traffic Management Plan (GR Engineering Services, 20 July 2011) to reflect current operations and construction activities, and then submit the revised Plan to the Secretary for approval. 	NC11
Schedule 3 Condition 32	<p>Waste</p> <p>The Proponent shall:</p> <ol style="list-style-type: none"> minimise the waste generated by the project; and ensure that the waste generated by the project is appropriately stored, handled, and disposed of, to the satisfaction of the Secretary. 	<p>Non-compliance No. 12</p> <p>BHOP has not implemented any formal program during the audit period to minimise the amount of non-mineral waste generated by the Rasp Project.</p>	<p>Recommendation No. 12</p> <p>BHOP could prepare a program (i.e. with measures, responsibilities, targets and timeframes) to minimise the amount of non-mineral waste generated by the Rasp Project, and report on the status of implementation of the program in Annual Reviews.</p>	NC12

Condition of Consent	Condition Requirement	Non-compliance	Recommendation	Unique ID for non-compliance
Schedule 3 Condition 33	<p>Waste</p> <p>The Proponent shall prepare and implement a Waste Management Plan for the project to the satisfaction of the Secretary. This plan must:</p> <p>(a) be prepared in consultation with RR, and submitted the Secretary for approval by the end of March 2011; <i>[Auditor's Note – The word “to” is missing from paragraph (a).]</i></p> <p>(b) identify the various waste streams of the project;</p> <p>(c) estimate the volumes of tailings and other waste material that would be generated by the project;</p> <p>(d) describe and justify the proposed strategy for disposing of this waste material;</p> <p>(e) describe what measures would be implemented to meet the requirements set out above in condition 32; and</p> <p>(f) include a program to monitor the effectiveness of these measures.</p>	<p>Non-compliance No. 13</p> <p>In relation to paragraph (e) of this condition, BHOP was unable to provide evidence that it has implemented 'all' of the measures described in section 3.6 (Monitoring) and section 3.7 (Audits) of the Waste Management Plan. For example:</p> <ul style="list-style-type: none"> there was no evidence of departmental monthly inspections on waste storage, treatment and disposal (section 3.6); and there was no evidence of waste management inspections (section 3.7) being documented and retained on file. 	<p>Recommendation No. 13</p> <p>BHOP should implement all of the measures described in section 3.6 (Monitoring) and section 3.7 (Audits) of the Waste Management Plan, or revise and reissue the Plan to include feasible measures.</p>	NC13
Schedule 4 Condition 2	<p>Environmental Management – Management Plan Requirements</p> <p>The Proponent shall ensure that the management plans required under this approval are prepared in accordance with relevant guidelines, and include:</p> <p>(a) detailed baseline data;</p> <p>(b) a description of:</p> <ul style="list-style-type: none"> the relevant statutory requirements (including any relevant approval, licence or lease conditions); any relevant limits or performance measures/criteria; and 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; 	<p>Non-compliance No. 14</p> <p>In relation to paragraphs (a), (e) and (f) of this condition:</p> <p>(a) Not all of the relevant Environmental Management Plans (EMPs) include detailed baseline data. It was noted that the Air Quality Management Plan includes baseline air quality monitoring data updated to include Mod 6 modelling data, and section 7.2 of the Site Water Management Plan (SWMP) includes baseline data of groundwater quality.</p> <p>(e) Not all of the EMPs include a contingency plan (or any reference to a contingency plan) to manage any unpredicted impacts and their consequences. It was noted that section 7 of the Community Lead Management Plan identifies 'contingency' measures where air quality trends indicate an increase in lead</p>	<p>Recommendation No. 14</p> <p>BHOP could formally apply to the Planning Secretary for a waiver of unnecessary or unwarranted requirements specified in this condition; for example, by submitting a table/matrix of relevant Environmental Management Plans which identifies the unnecessary or unwarranted requirements for which a waiver is sought, and requesting the Secretary to approve the table/matrix.</p>	NC14

Condition of Consent	Condition Requirement	Non-compliance	Recommendation	Unique ID for non-compliance
	<p>(c) a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria;</p> <p>(d) a program to monitor and report on the:</p> <ul style="list-style-type: none"> • impacts and environmental performance of the project; and • effectiveness of any management measures (see (c) above); <p>(e) a contingency plan to manage any unpredicted impacts and their consequences;</p> <p>(f) a program to investigate and implement ways to improve the environmental performance of the project over time;</p> <p>(g) a protocol for managing and reporting any:</p> <ul style="list-style-type: none"> • incidents; • complaints; • non-compliances with the conditions of this approval and statutory requirements; and • exceedances of the impact assessment criteria and/or performance criteria; and <p>(h) a protocol for periodic review of the plan.</p> <p><i>Note: The Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.</i></p>	<p>emissions which can be attributed to the Rasp Mine, and sections 8.4 and 11.3.3 of the Site Water Management Plan include details of contingency measures in relation to water quality in Horwood Dam, and unacceptable impacts to groundwater, respectively.</p> <p>(f) None of the EMPs include information relating to programs to investigate and implement ways to improve the environmental performance of the project over time.</p>		
Schedule 4 Condition 4	<p>Environmental Management – Revision of Strategies, Plans & Programs</p> <p>Within three months of:</p> <p>(a) the submission of an annual review under Condition 3 above;</p> <p>(b) the submission of an incident report under Condition 5 below;</p> <p>(c) the submission of an audit report under Conditions 7 – 8A below;</p> <p>(d) any modification of the conditions of this approval (unless the conditions require otherwise), <i>or</i></p> <p>(e) a direction of the Secretary under Condition 2 of Schedule 2.</p>	<p>Non-compliance No. 15</p> <p>BHOP did not comply with the ‘within three months’ requirement in this condition on several occasions during the audit period. Document control information (i.e. version history) in BHOP’s strategies, plans and programs does not indicate whether the document was reviewed after each scenario in paragraphs (a) to (e) of this condition.</p>	<p>Recommendation No. 15</p> <p>On the cover or second page of each strategy, plan and program required under this Project Approval, BHOP could insert a ‘Review Table’ or ‘Document History Table’ which includes the following details: a) date of review; b) name of reviewer; c) outcome of the review (i.e. ‘revisions required’ or ‘no revisions required’); and d) in the case of revisions being required, the date of submission of the relevant revised document to the Secretary.</p>	NC15

Condition of Consent	Condition Requirement	Non-compliance	Recommendation	Unique ID for non-compliance
	<p>the Proponent shall review, and if necessary revise, the strategies, plans, and programs required under this approval to the satisfaction of the Secretary.</p> <p>Where this review leads to revisions in any such document, then within 4 weeks of the review the revised document must be submitted to the Secretary for approval, unless otherwise agreed with the Secretary.</p> <p><i>Note: This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the project.</i></p>			
Schedule 4 Condition 9	<p>Access to Information</p> <p>From the end of March 2011 until the completion of all rehabilitation required under this approval, the Proponent shall:</p> <p>(a) make copies of the following information and documents (as they are obtained, approved or as otherwise stipulated within the conditions of this approval) publicly available on its website:</p> <ul style="list-style-type: none"> • the documents referred to in Condition 2 of Schedule 2; • all current statutory approvals for the project; • all approved strategies, plans and programs required under the conditions of this approval; • the proposed staging plans for the project if the construction, operation or decommissioning of the project is to be staged; • regular reporting on the environmental performance of the project in accordance with the reporting requirements in any plans or programs approved under the conditions of this approval; 	<p>Non-compliance No. 16</p> <p>As of July 2023, the following documents which this condition requires to be publicly available on the CBH website were not on the CBH website:</p> <ul style="list-style-type: none"> • Surface Blasting Management Plan (BHO-PLN-MIN-016) which forms part of the Technical Blasting Management Plan (BHO-PLN-MIN-002); • Waste Rock Management Plan (BHO-PLN-ENV-014) which relates to Project Approval Schedule 3, Condition 33(d); • Traffic Management Plan (none presently exists); and • Conservation Management Plan (only a draft version issued in September 2015 exists). 	<p>Recommendation No. 16</p> <p>BHOP should upload the Surface Blasting Management Plan and Waste Rock Management Plan to the CBH website, and issue and upload a Traffic Management Plan and Conservation Management Plan to the CBH website.</p>	NC16

Condition of Consent	Condition Requirement	Non-compliance	Recommendation	Unique ID for non-compliance
	<ul style="list-style-type: none"> • the monitoring results of the project, reported in accordance with the specifications in any conditions of this approval, or any approved plans or programs; • a summary of the current phase and progress of the project; • contact details to enquire about the project or to make a complaint; • a complaints register, updated on a monthly basis; • the annual reviews of the project; • any independent environmental audit of the project, and the Proponent's response to the recommendations in any audit; and • any other matter required by the Secretary; <p>(b) keep this information up-to-date, to the satisfaction of the Secretary.</p>			

4.5 Previous Audit Non-compliances and Recommendations

The previous independent environmental audit was conducted in March 2022 by Integrated Environmental Systems Pty Ltd. The final version of the audit report for the March 2022 audit was issued on 1 June 2022.

In the March 2022 audit, BHOP's compliance with the requirements of EPL No. 12559 (EPL 12559) and Consolidated Mining Lease No. 7 (CML7) was audited in accordance with previous wording of Schedule 4, Condition 7 of the consolidated Project Approval. Since 16 March 2022 (the date of the Mod 6 approval), Schedule 4, Condition 7 of the consolidated Project Approval no longer requires an independent environmental audit to directly assess BHOP's compliance with the requirements of EPL 12559 or CML7.

Therefore, for this independent environmental audit in July 2023, the conditions of EPL 12559 and CML7 were not within the audit scope.

The March 2022 independent environmental audit was conducted under the NSW Government's *Independent Audit Guideline, Post-approval requirements for State significant developments* (October 2015). The October 2015 *Guideline* did not require the Auditors to make specific recommendations for each identified non-compliance identified in the March 2022 audit, as is now required under this July 2023 audit.

In response to the identified non-compliances and observations in the March 2022 audit report (issued 1 June 2022), BHOP prepared and submitted action plans to the Secretary, in response to:

- each identified non-compliance (including 'not verified' findings); and
- each relevant observation raised by the Auditors.

Section 9 in BHOP's Annual Review 2022 (Revised) reported that of the 21 non-compliance findings identified in the March 2022 audit, 10 items remained 'in progress' as at December 2022 including: some dust management strategies listed in the Air Quality Management Plan, and corrective actions to the Ryan Street Seepage event, expected to be complete by June 2023.

In BHOP's INX InControl database as of 7th July 2023, BHOP's corrective and/or preventative actions in relation to non-compliances identified in the March 2022 audit, had been recorded as completed/closed out for:

- 7 out of the 16 non-compliances identified against Project Approval conditions;
- 7 out of the 11 non-compliances identified against EPL 12559 conditions; and
- 1 out of the 2 non-compliances identified against CML7 conditions.

In BHOP's INX InControl database as of 7th July 2023, BHOP's responses in relation to observations identified in the March 2022 audit, had been recorded in INX InControl as completed/closed out for:

- 55 out of 85 observations made in relation to the Project Approval;
- 6 out of 14 observations made in relation to EPL 12559; and
- 7 out of 8 observations made in relation to CML7.

4.6 Environmental Management Plans, Sub-Plans and Compliance Documents

During this July 2023 audit, the Auditors sighted the following "Environmental Management Plans, Sub-plans and compliance documents" (as referred to in Section 4.2.3/6 of the IPAR) which have been developed, issued and implemented in accordance with the requirements of the consolidated Project Approval:

- Air Quality Management Plan (BHO-PLN-ENV-001, Revision 7, issued 4 March 2022) (note: Plan cover page refers to July 2022)
- Community Lead Management Plan (BHO-ENV-PLN-0015, Revision 1, issued 28 April 2023)
- Environmental Management Strategy (BHO-ENV-SYS-001, Version V4, issued 28 April 2023)
- Pollution Incident Response Management Plan (BHO-PLN-ENV-013, Revision 3, issued 31 October 2022)
- Rehabilitation Management Plan (RMP) Rasp Mine (Version V1, issued by EMM Consultants on 2 August 2022)
- Rehabilitation Management Plan and Strategy (RMPS) Rasp Mine (Version V1, issued by EMM Consultants on 15 September 2022)
- Rasp Mine Forward Program (FWP0001164, Friday 7 October 2022 to Monday 6 October 2025)
- Rasp Mine Rehabilitation Strategy Surface water assessment (Version 0-2, Preliminary draft, issued by EMM Consultants on 3 May 2023)
- Site Water Management Plan (BHO-PLN-ENV-006, Revision 2, issued 25 June 2019) (note: Plan reference is "004" on cover page and in the document header from page 19 onwards)

- Noise Management Plan (BHO-PLN-ENV-009, Revision 5, issued 28 April 2023) (note: date error in footer)
- Technical Blasting Management Plan (BHO-PLN-MIN-002, Revision 5, issued 28 April 2023)
- Surface Blasting Management Plan (BHO-PLN-MIN-016, Revision 1, issued 28 September 2022)
- Waste Management Plan (BHO-PLN-ENV-005, Revision 2, issued 28 April 2023)
- Waste Rock Management Plan (BHO-PLN-ENV-014, Revision 1, issued 9 February 2023)
- Principal Hazard Management Plan – Roads or other Vehicle Operating Areas (BHO-PLN-SAF-004, Revision 5, issued 12 December 2021)
- Blackwood's Pit TSF Operations and Maintenance Plan (BHO-PLN-MET-004, Revision 3, issued 3 March 2023)
- Blackwood Pit TSF Daily Inspection Checklist (BHO-CKL-MET-022, Revision 4, issued 20 January 2023)
- BHOP Rasp Mine Annual Review, for reporting period 1 May 2021 to 30 April 2022 (referred to in this audit report as "Annual Review 2021-2022")
- BHOP Rasp Mine Annual Review (Revised), for reporting period 1 January 2022 to 31 December 2022 (referred to in this audit report as "Annual Review 2022 (Revised)")
- Annual Dams Safety Standards Report 2022 (Blackwood Pit Tailings Storage Facility)
- Incident Management Procedure (BHO-PRO-SAF-101, Revision 5, issued 30 December 2022) (note: this Procedure bears a 'Draft' watermark)
- BHOP INX No. 8036 incident record (Incident – Environmental – Contamination (Land, Water, Tailings) regarding the Mill Overflow Pond seepage incident of 30 July 2022)
- Incident Investigation Report (BHO-FRM-SAF-009, Revision 2, issued 10 July 2016): "Offsite tailings discharge from TSF2" (Incident No. INX 8536) signed 23 January 2023
- RASP Mine Incident Response Soil Investigation letter (draft, issued on 23 December 2022 by EMM Consultants), in relation to Incident INX Nos. 7687, 8036 and 8370
- Environmental Monitoring Overview (for EPL 12559 and the Project Approval) (note: not document controlled)
- Rasp Mine General Induction (CBH Resources, V2.04)
- Rasp Mine Monthly Environmental Monitoring Reports (for EPL 12559 and the Project Approval)
- Human Health Risk Assessment for Rasp Mine, Modification 6 (issued by SLR Consultants, doc ref: 640.12028-R01-v3.0, dated 14 December 2020)
- Construction Environment Management Plan – MOD6 Box cut, Portal, TSF3 and Tails Harvesting (BHO-PLN-ENV-012, Revision 4, issued 11 November 2022)
- Ryan Street Dam Water Quality Assessment (Revision 0, issued 8 June 2023 by WSP Consultants)
- Rasp Mine – Surface water management review (Revision 0, issued 9 June 2023 by WSP Consultants)
- Ryan Street Dam (S49) Water Quality Assessment (Revision 0, issued 8 June 2023 by WSP Consultants)
- Dust Deposition Gauge Monitoring Procedure (BHO-PRO-ENV-001, Revision 3, issued 20 June 2023)
- High Volume Air Sample Monitoring Procedure (BHO-PRO-ENV-002, Revision 3, issued 21 June 2023)
- Tapered Element Oscillating Microbalance (TEOM) & Beta Attenuation Mass (BAM) Monitoring Procedure (BHO-PRO-ENV-010, Revision 2, issued 26 June 2023)
- Noise Monitoring Procedure (BHO-ENV-PRO-012, Revision 3, issued 4 August 2020)
- Site Water Monitoring Procedure (BHO-ENV-PRO-011, Revision 1, issued 29 June 2023)
- Baghouse Stack Monitor Trigger Action Response Plan (BHO-TARP-015, Revision V1, issued 19 October 2022)
- Extreme Weather Trigger Action Response Plan (BHO-SAF-TARP-008, Revision 5, issued 28 June 2023)
- TEOM Monitoring Trigger Action Response Plan (BHO-SAF-TARP-012, Revision 1, issued 4 February 2022)
- Surface Water Monitoring Trigger Action Response Plan (BHO-SAF-TARP-013, Revision 1, issued 29 September 2022)
- Selected environmental monitoring records (air quality, noise and vibration, surface water) retained in field sheets, spreadsheets and BHOP's MonitorPro environmental data management system.

As much as reasonably practicable, the Auditors assessed the adequacy and implementation of each of these Environmental Management Plans, Sub-plans and compliance documents (i.e. the documents listed above) during this July 2023 audit.

Relevant Environmental Management Plans, Sub-plans and compliance documents are referred to in the 'Evidence Collected' column against applicable conditions of consent in the Independent Audit Table within Appendix A of this audit report.

Opportunities for improvement in relation to Environmental Management Plans, Sub-plans and compliance documents are identified in the Auditors' numbered observations against applicable conditions of consent in the Independent Audit Table within Appendix A of this audit report.

Overall, the Auditors consider that apart from the Site Water Management Plan, the Environmental Management Plans, Sub-plans and compliance documents reviewed during this July 2023 audit were adequate for the purposes of relevant conditions in the consolidated Project Approval. The reviewed Environmental Management Plans and environmental monitoring procedures included suitable measures to manage and monitor environmental impacts of the Rasp Project. For example, relevant Trigger Action Response Plans were updated in response to the occasional environmental incidents (refer to Section 4.10 of this audit report) which occurred during the audit period.

In relation to environmental monitoring data and records, the Auditors noted that in January 2023, BHOP implemented the MonitorPro environmental data management system which has improved data retention and trend analysis.

Apart from the Site Water Management Plan, the Auditors noted that BHOP's Environmental Management Plans reflect operations at the Rasp Mine under the Mod 6 and Mod 10 approvals.

As of July 2023, BHOP's Site Water Management Plan (issued 25 June 2019) does not reflect operations under Mod 8 (approved in April 2021), Mod 9 (approved in December 2021), Mod 6 (approved in March 2022) and Mod 10 (approved in December 2022) and any relevant changes in water management practices arising from these modifications.

In relation to surface water management (part of the Site Water Management Plan), as required by Section 8 (Pollution Studies and Reduction Programs) of EPL 12559, during the audit period BHOP engaged WSP Consultants to prepare assessment reports relating to: a) the S49 Ryan Street Dam (report issued on 8 June 2023); and b) all on-site water management practices and appropriateness of all water storage facilities (report issued on 9 June 2023). Refer to Section 4.13 of this audit report regarding the scope of each WSP report, and below regarding the 9 June 2023 WSP report.

In relation to the assessment of all on-site water storages, a Principal Engineer of WSP (Fred Gassner) visited the Rasp Mine site on 19-20 January 2023. WSP issued a 50-page final report: "Rasp Mine – Surface Water Management Review" on 9 June 2023 (Revision 0). The WSP report included the following sections:

- Section 3 – Catchment assessment including Assumption (section 3.1), Catchment assessment and runoff estimation (section 3.2);
- Section 4 – Dam integrity assessment, which noted that the following six water storage facilities (WSFs), "were highlighted to WSP as storages that are regularly used by BHOP that have had recent seepage incidents"; with these WSFs being: S14 (House Dam); S17-1, S17-2 and S17-3; Horwood Dam; and S49 (Ryan Street Dam);
- Section 4.1 – Approach to dam integrity assessment;
- Section 4.2 – Assumptions made in the dam integrity assessment;
- Section 4.3 – Results of dam integrity assessment of 32 WSFs (Table 4.2) – Table 4.2 notes that the 1:100 AEP, 24-hour design event, was not met by the following WSFs:
 - S8 at full supply level,
 - S14 at both full supply and freeboard level [note: WSF S14 House Dam is one of the six WSFs highlighted to WSP that have had recent seepage incidents],
 - S22 at freeboard level,
 - S35 at full supply level,
 - S42A at both full supply and freeboard level,
 - S43 at freeboard level, and
 - S44A at full supply level;
- Section 4.4 – Site dam integrity inspections of: S14 House Dam (section 4.4.1); S17-1, S17-2 and S17-3 near the Silver Tank (section 4.4.2); Horwood Dam (section 4.4.3); S49 Ryan Street Dam (section 4.4.4 with recommendations in section 4.4.4.1 – these recommendations are reproduced after the end of this list);

- Section 5 – Monitoring and maintenance including Trigger Action Response Plan (recommendations in section 5.1), Monitoring and maintenance of stormwater structures (recommendations in section 5.2), Pre-summer checklist (section 5.3);
- Section 6 – Stormwater management pumps including Post-storm dewatering of stormwater storages (section 6.1), Pumped overflows (section 6.2);
- Section 7 – Recommendations for site water management practices for: Water storage facilities (section 7.1), Monitoring and maintenance (section 7.2), Pumping operations (section 7.3).

As an example of recommendations made by WSP in its report of 9 June 2023, section 4.4.4.1 of the report provides the following recommendations relating to the S49 Ryan Street Dam. WSP had concluded (in section 4.4.4) that “the embankment in its current condition is not suitable to retain water”:

“The following options are recommended to be investigated:

- The dam embankment could be modified or reconstructed to an engineered design in accordance with contemporary guidance related to the consequence category. The dam must include an emergency spillway designed to discharge the 1:100,000 AEP design flood event based on ANCOLD guidelines.
- The S49 storage volume could be increased by excavation (i.e., excavation of the area upslope of the existing embankment) to retain the runoff from the 1:100 AEP event, without an embankment. The 1:100 AEP event runoff volume is estimated to be approximately 2570m³. With the inclusion of additional sediment storage and freeboard allowances an excavated volume may need to be approximately 3000 m³.
- Alternatively, the upstream storage could be excavated to retain the runoff from a design storm nominated by EPA, without an embankment. This would need to be assessed as a separate scope.”

It was stated that an update of the Site Water Management Plan (most recently issued on 25 June 2019) is in progress as of July 2023. The Auditors understand that BHOP will incorporate relevant information from the WSP reports of 8 June 2023 and 9 June 2023 in the next revision of the Site Water Management Plan.

Other than the Site Water Management Plan, BHOP’s Environmental Management Plans, Sub-plans and compliance documents as listed in this section of this audit report, are generally of a high standard.

Subject to the exceptions (i.e. non-compliances) identified in Table 3 above and in the Independent Audit Table within Appendix A of this audit report, the Auditors consider that as of July 2023, BHOP has effectively implemented relevant Environmental Management Plans, Sub-plans and compliance documents at the Rasp Mine.

4.7 Other Relevant Matters

The Auditors considered the following matters as being relevant to the environmental performance of the Rasp Project during the audit period:

- extreme rainfall events which occurred in March 2022 and April 2022 (i.e. Broken Hill Airport AWS recorded 108.2mm of rainfall in March 2022 with the highest daily rainfall of 72.4mm on 16 March 2022, and 95.2mm of rainfall in April 2022 with the highest rainfall of 54.8mm overnight on 26-27 April 2022); and
- mains electricity supply interruptions in Broken Hill throughout the audit period, which disrupted power supply to mains-powered environmental monitoring instruments (e.g. TEOMs).

The Auditors consider that subject to the environmental incidents and non-compliances identified in this audit report, BHOP adequately addressed and controlled the risks associated with these extreme rainfall events and electricity supply interruptions.

During this July 2023 audit, the Auditors noted that BHOP’s Senior Environmental Advisor and Environmental Graduate demonstrated their awareness and understanding of relevant conditions in the Project Approval.

It was noted by the Auditors and acknowledged by all present at the closing meeting for this July 2023 audit, that BHOP’s Senior Environmental Advisor and Environmental Graduate have worked diligently during the audit period to help ensure the Rasp Project maintained high standards of:

- environmental management (for example, these individuals have maintained environmental monitoring programs to a high standard, and updated most of BHOP’s environmental management plans and procedures during the audit period); and
- environmental performance (for example, these individuals have promptly responded to environmental incidents and monitoring interruptions which occurred during the audit period).

The Auditors noted that during the audit period, BHOP's General Manager and HSET Manager have demonstrated their support for effective environmental management of the Rasp Project; for example, in approving expenditure for: a) an effective environmental data management system (MonitorPro); and b) the purchase and commissioning of two high quality new BAMs.

The Auditors noted that the high number of personnel (13) present at the audit closing meeting on 7th July 2023 indicated an interest in this July 2023 audit across Rasp Mine senior management and operating departments.

Other than as noted above and taking into account relevant regulatory requirements and legislation and the Auditors' knowledge of the Rasp Project's past performance, the Auditors consider there are no other significant matters relevant to the environmental performance of the Rasp Project during the audit period.

4.8 Consultation Outcomes

Prior to the Auditors' on-site attendance at this July 2023 audit, the Lead Auditor consulted with the DPE and other agencies and stakeholders as identified in Section 3.7 of this audit report.

The outcome of feedback received from the DPE and other agencies and stakeholders consulted is recorded in Table 4 below, and further details regarding consultation are recorded in Appendices B and C of this audit report.

The Auditors assessed the environmental issues raised by the two agencies which responded to the Lead Auditor's consultation letters. Table 4 below cross-references the agency comments to the relevant Audit Finding and Recommendation in the Independent Audit Table within Appendix A of this audit report. Table 4 also refers to Appendix B of this audit report, which includes the Auditors' responses to the agency comments.

Table 4: Feedback received from agencies during consultation

Agency	Comment or environmental area of focus	Where addressed in this report
Department of Regional NSW – Resources Regulator	<p><u>Letter of 29 June 2023 (see Appendix C of this audit report):</u></p> <p>“The independent environmental audit is required to assess compliance against the relevant environmental management conditions of the mining leases up to 1 July 2022, including implementation of the mining operations plan for the site.</p> <p>From 2 July 2022, the independent environmental audit should provide an assessment of compliance with the requirements of Schedule 8A Standard conditions of mining leases, Part 2 Standard conditions, as set out in the Mining Regulation 2016. It is noted that CML7 and the 4 mining purposes leases that comprise the Rasp Mine have been approved by the Regulator to be treated as a single lease for the purposes of Part 2 of Schedule 8A.</p> <p>The audit should note observations where rehabilitation procedures, practices and outcomes represent best industry practice.”</p>	<p>Appendix A – Project Approval Schedule 2, Condition 1; and Schedule 3, Conditions 34, 34A and 35</p> <p>Appendix B – Agency Comments and Auditors' Response</p>
Biodiversity and Conservation Division – NSW DPE	<p><u>Email of 29 June 2023 (see Appendix C of this audit report):</u></p> <p>“BCD has no specific environmental issues or concerns to raise about the Project and is satisfied that the audit of project approval conditions will identify any issues.”</p>	<p>Appendix A – Project Approval Schedule 2, Condition 1</p> <p>Appendix B – Agency Comments and Auditors' Response</p>

4.9 Complaints

During the audit period, BHOP was able to demonstrate that it recorded external complaints in its Complaints Register (available on the CBH website) and in INX InControl (a corrective action management system). During the audit period, BHOP received external complaints either via the EPA or directly from the community member.

BHOP recorded the following eight environment-related complaints during the audit period:

1. March 2022 – sediment on road near S49 Ryan Street Dam (INX No. 7765);
2. April 2022 – noise from drilling activities near Carbon Street boundary (INX No. 7797);
3. May 2022 – vibration at residence (INX No. 7869);
4. July 2022 – vibration at residence with request for blast data from January 2021 onwards (INX No. 4899);
5. December 2022 – vibration at residence (INX No. 8519);
6. April 2023 – vibration at residence (INX No. 8912 – BHOP contacted complainant to discuss);
7. May 2023 – vibration at residence (INX No. 8938 – complainant not identified);
8. June 2023 – vibration at residence (INX No. 8998 – complainant not identified).

BHOP's Complaints Register (available on the CBH website) describes BHOP's response to each complaint. BHOP Environment personnel considered all complaints to be closed/rectified at the time of this July 2023 audit.

Only the March 2022 and April 2022 complaints (points 1 and 2 above) required an operational response by BHOP (street sweeping to remove sediment on Ryan Street, and delaying contractor drilling start times on Saturdays to commence at 8am instead of 7am, respectively).

In relation to point 2 above, the Auditors sighted a "Communication – Community / Reputation" form for the noise complaint made in the morning of 9 April 2022, which included BHOP's immediate response (shut down the rig for the day), and the (corrective) action: "Start of drilling on Saturdays has been delayed to 8am." Surface drilling activities near the Carbon Street boundary ceased on or shortly after 17 October 2022, as referred to in an email of 11 July 2023 from the contractor to BHOP's Senior Environmental Advisor.

All of the other complaints (points 3 to 8 above) related to 'vibration' and did not involve a non-compliance with a Project Approval condition, either because BHOP had complied with the relevant blast vibration limits (refer to Project Approval Schedule 3, Condition 18 in Appendix A of this audit report) or because BHOP did not fire the blast which was the subject of the complaint (i.e. the detected vibration was from another source).

The Auditors consider that BHOP's response to and management of external complaints during the audit period was adequate and responsible, based on the following evidence:

- BHOP promptly investigated and/or responded to complaints received;
- no exceedances of relevant Project Approval monitoring limits were recorded in relation to any complaint; and
- no complaint has escalated into enforcement action by any agency.

4.10 Notified Incidents

This section of the audit report relates to BHOP's notification of incidents as defined in the consolidated Project Approval. In the Project Approval, "Incident" is defined as:

"A set of circumstances that causes or threatens to cause material harm to the environment, and/or breaches or exceeds the limits or performance measures/criteria in this approval".

In using the expression "and/or", the above definition is very broad in that an "incident" includes an exceedance of limits or performance measures/criteria in the Project Approval even though the exceedance may not cause or threaten to cause material harm to the environment. For example, a ground vibration limit exceedance under Project Approval Schedule 3, Condition 18, may or may not cause or threaten to cause "material harm" as defined in the Project Approval.

The Auditors recommend that the Planning Secretary should review the Project Approval definitions of "Incident" (which was inserted in December 2021 as part of the Mod 9 approval) and "Non-compliance" (which was inserted in October 2018 as part of the Mod 5 approval) due to the potential for confusion regarding the appropriate classification of a monitoring limit exceedance which does not cause or threaten to cause "Material harm" to the environment (as defined in the Project Approval).

BHOP notified the DPE, Environment Protection Authority (EPA) and/or Resources Regulator (RR) of the following 'incidents' which occurred during the audit period.

1. March 2022 incident (INX No. 7687): Seepage of contaminated water from S49 Ryan Street Dam beyond the site boundary, which commenced on 10 March 2022 and continued into this audit period (following rainfall events of 72.4mm on 16 March 2022 and 54.8mm on 26-27 April 2022). BHOP notified the DPE, EPA and RR of this incident on 11 March 2022. This incident was notified as relating to Project Approval Schedule 2, Condition 1.

BHOP's notification letter of 11 March 2022 described the incident as: "Seepage was observed extending approximately 7m from the base of the pond wall. Seepage outside the boundary fence was observed as minor ponding and damp soil with no surface flow."

BHOP's incident report/letter of 26 May 2022 included photos of the incident and immediate actions, and stated corrective actions (short-term, medium-term and long-term). The short-term actions included installation of a seepage interception trench and collection bund outside the S49 dam wall. The medium-term actions included installation of a fixed, fit for purpose electric pump for automated and continuous transfer of water from S49 to S1A following rain events. It was stated that this electric pump was installed after the audit period but not yet commissioned as of 22 August 2023; being the date of issue of the draft version of this audit report. (The installation of a permanent electric pump was required by condition U1.1 in Section 8 of EPL 12559.) The long-term action relates to development of a timeline for scheduled remediation of Block 10 to an outcome where water runoff can be discharged directly to local stormwater.

The Auditors sighted a "RASP Mine Incident Response Soil Investigation" letter (draft, issued on 23 December 2022 by EMM Consultants), in relation to Incident INX Nos. 7687, 8036 and 8370. EMM completed a site inspection of areas of the S49 Ryan Dam, Mill Overflow Pond, and redundant fuel tank (described as an abandoned Aboveground Storage Tank), and collected shallow soil samples (at a depth of 10cm) for analysis by a NATA accredited laboratory. EMM's letter of 23 December 2022 includes Soil analytical results (Appendix A), Photographic Log (Appendix B), Data Validation RPD [relative percent differences] Table (Appendix C), Laboratory certificates (Appendix D), and Calibration records (Appendix E).

In relation to this incident (INX No. 7687), the EMM letter of 23 December 2022 concluded (in section 6.2.2) that:

"Based on a study published in 2022 (Gillings et al), lead concentrations in the region of the Ryan Street Pond loss of containment are an order of magnitude greater than the geomean for residential front yard lead concentrations (408 mg/kg) for Broken Hill, however are comparable to the Figure 3 (Figure 6.3 in this report) trend line calculation for lead concentrations in soil 1m from the mining areas (4950 mg/kg)."

2. 28 April 2022 incident (INX No. 7846): Seepage of contaminated water during the morning of 28 April 2022 from the S14 House Dam which flowed off-site into decommissioned transformer cells on a neighbouring uninhabited industrial property, and from there to a vacant residential block and onto Eyre Street. BHOP notified the DPE, EPA and RR of this incident on 29 April 2022. This incident was notified as relating to Project Approval Schedule 2, Condition 1.

BHOP's letter of 29 April 2022 described that this seepage followed a heavy rainstorm on the evening of 26 April 2022 when 54.8mm was recorded at Broken Hill Airport. BHOP's letter of 29 April 2022 stated immediate corrective actions (including sourcing of a hire pump). The seepage was observed by BHOP to have ceased by the afternoon of 29 April 2022.

BHOP's incident report/letter of 27 May 2022 identified that: "The pump kept at this location to transfer water to other storm water storage facilities was unable to be located (believed to have been stolen) the month before and BHOP were waiting on purchased replacement pumps."

BHOP's incident report/letter of 27 May 2022 also described more detailed corrective actions (including installation of earthworks between S14 and adjacent ponds and the neighbouring property to redirect seepage). The DPE responded to BHOP's incident report/letter of 27 May 2022 in an undated letter, which stated (in part): "The department has reviewed the report and notes the reasons for the incident and measures implemented at the time of and after the incident. It is noted that a more proactive action should have been undertaken after the rainfall event of 26 April 2022 to determine the remaining capacity of S 14 and to implement measures at that time in preparation for future rainfall events. The department has recorded the incident." The DPE's letter requested an update of corrective actions by 30 June 2022, which BHOP provided by letter of 30 June 2022.

3. 30 July 2022 incident (INX No. 8036): Uncontrolled discharge on 30 July 2022 of approximately 15,000 litres of contaminated water from the Mill Overflow Pond discharge pipe. This water flowed to the road which runs behind the Mill, leading to seepage through the boundary bund and off-site. The seepage was detected at 7:30am on 30 July 2022 during an inspection of the pump installed to pump water out of the Pond, and was caused by a failure in a poly pipe join in the discharge pipe. BHOP notified the DPE and EPA of this incident on 5 August 2022. This incident was notified as relating to Project Approval Schedule 2, Condition 1 and Schedule 3, Condition 21.

The Auditors sighted BHOP's INX No. 8036 incident record (Incident – Environmental – Contamination (Land, Water, Tailings), which described seven 'actions' including Action No. 1 ("repair pipework") and Action No. 4 ("Grade the camber of the road to direct the water back to site and away from boundary bunds").

BHOP's letter of 5 August 2022 described the immediate steps taken in relation to the incident (including multiple bunds built off-site to prevent water run-off). BHOP's incident report/letter of 5 September 2022 to the DPE, EPA and RR included photos of the incident and actions, additional information (including rainfall details, contributing factors, seepage water sample analysis comments, and EPA response) and details of corrective actions (including use of a single length of poly pipe with no joins). BHOP's incident report/letter of 30 November 2022 to the DPE, EPA and RR included details of an investigation report to be provided by EMM Consultants which "will assess the results of sample analyses against relevant land use criteria and identify any criteria exceedances, and make recommendations for additional investigation and/or remediation works".

In relation to this incident (INX No. 8036), the EMM letter of 23 December 2022 concluded (in section 6.3.2) that:

"Based on a study published in 2022 (Gillings et al), lead concentrations in the region of the Mill Overflow Pond loss of containment are comparable to the Figure 3 trend line calculation for lead concentrations in soil 1 m from the mining areas (4950 mg/kg)."

4. 31 October 2022 incident (INX No. 8370): Uncontrolled discharge of oil-contaminated water at approximately 8:30am on 31 October 2022 from the redundant fuel tank at the Rasp Mine Stores lot, which resulted in a minor off-site release of oil-contaminated water as part of the rainfall run-off from site. BHOP estimated in its letter of 7 November 2022 that the quantity of residual oil in the tank was 1 litre. (The Auditors consider that based on the amount of staining of the ground as reported in section 6.1.1 of the EMM Consultant's investigation letter of 23 December 2022, the amount of oil actually 'released' was potentially up to 20 litres.) BHOP notified the DPE and EPA of this incident on 7 November 2022. This incident was notified as relating to Project Approval Schedule 2, Condition 1.

BHOP's letter of 7 November 2022 described the incident and the immediate steps that were taken in relation to the incident (including deployment of oil absorbent socks and pads around the oil tank, and oil absorbent booms positioned down-gradient). BHOP's incident report/letter of 30 November 2022 stated corrective actions (including decommissioning of the tank for off-site removal).

In relation to this incident (INX No. 8370), the EMM letter of 23 December 2022 concluded (in section 6.1.2) that:

"... the reported [laboratory] results indicate the loss of containment of the AST [i.e. aboveground storage tank], identified here in as T1, has resulted in an area of hydrocarbon impact with concentrations indicating a direct contact risk to industrial workers, intrusive maintenance workers and ecological receptors."

In section 7 of its letter of 23 December 2022, EMM recommended an immediate goal, and short and medium term goals (i.e. no long term goals). In relation to the abandoned AST:

- the immediate goal (section 7.1) was stated as: "Empty abandoned AST contents - Arrange for pre-approved disposal of the contents of Tanks T1, T2 and T3 to an appropriately licenced waste-management facility";
 - five short term goals (section 7.2) were recommended, including: "Decommissioning and validation of unused AST infrastructure: - An appropriately experienced environmental remediation contractor should be engaged to remove unused infrastructure and subsequent validation of the area below the abandoned ASTs. Validation sampling will likely need to be undertaken in conjunction with hydrocarbon-impacted soil treatment"; and
 - two medium term goals were recommended, including: "Develop a site management plan for onsite infrastructure addressing remaining contamination sources."
5. 24 December 2022 incident (INX No. 8536): TSF2 embankment seepage at approximately 6:45am on 24 December 2022 resulted in an off-site release of approximately 200m³ of tailings. This incident affected the public reserve adjacent to the historic BHP Office fireplace, the yard at 31 Proprietary Square (a Perilya employee residence), the surface drain adjacent to 31 Proprietary Square, the surface drain running through Proprietary Square, and the toe drain of the waste dump from which the tailings was emitted. The seepage was caused by a 'rat hole' (flow pathway) at the base of the TSF2 embankment during deposition of tailings.

After its initial notification to regulators (the DPE, EPA, RR, and Dams Safety NSW) on 24 December 2022, BHOP provided the DPE and EPA with details of this incident on 3 January 2023 (i.e. 10 days after the incident, which is slightly later than the seven day limit in Appendix 5 of the consolidated Project Approval). This incident was notified as relating to Project Approval Schedule 2, Condition 1 and Schedule 3, Condition 21.

BHOP's letter of 3 January 2023 described the incident and immediate steps taken in relation to the incident (including shutting down of milling operations and mobilisation of a local earthmoving contractor to assist with containment and clean-up). BHOP's letter of 3 January 2023 also commented: "The TSF design engineer was consulted and advised that there was no imminent safety risk regarding dam wall integrity or slope stability."

The Auditors sighted an Incident Investigation Report (BHO-FRM-SAF-009): "Offsite tailings discharge from TSF2" (Incident No. INX 8536) which was signed by the Department Manager, HSET Manager and General Manager on 23 January 2023. The Incident Investigation Report included a detailed timeline of events (from the issue of an independent review of the TSF2 extension by Bruce Brown Consulting on 11 November 2016, to initiation of the shut-down of the Mill on 24 December 2022 at 6:46am), photos and figures, ICAM factors, ICAM analysis, corrective actions (including item 5 which is to "Prohibit tailing into cell 1 until remediation works of historic waste dump sections is carried out as per TSF Design Engineer recommendations") key learnings, and (not sighted) supporting evidence in appendices.

By letter of 30 June 2023 to the DPE and EPA, BHOP provided a progress report on 'rehabilitation' (i.e. remediation) works following the incident, including details of the remediation works timeline, a review of the incident by EMM Consultants, and ongoing remediation works. The DPE responded by letter of 3 July 2023, which stated (in part): "The department has reviewed the update and notes the actions that have been undertaken to date, further actions proposed in the coming months and that a senior Environmental Engineer from EMM conducted an inspection of the site under the supervision of BHO personnel on 21 and 22 February 2023. Please ensure that these updates are included in the Annual Review. Please note that acknowledgement of this update is not an endorsement of the compliance status of the project."

In relation to the above notified incidents, the Auditors consider that BHOP has generally complied with relevant requirements in Appendix 5 of the consolidated Project Approval apart from a minor delay (i.e. of three days) in providing the required details regarding the TSF2 seepage incident of 24 December 2022.

During the audit period, no regulator took enforcement action against BHOP in relation to any notified incident.

4.11 Notified Non-compliances

This section of the audit report relates to BHOP's notification of non-compliances as defined in the consolidated Project Approval (i.e. not 'non-compliances' identified by the Auditors elsewhere in this audit report including Sections 4.2 and 4.4, and in the Independent Audit Table within Appendix A).

In the Project Approval, "Non-compliance" is defined by reference to "Incident", and reads as follows:

["An occurrence, set of circumstances or development that is a breach of this approval but is not an incident"](#).

The Auditors recommend that the Planning Secretary should review the Project Approval definitions of "Incident" (which was inserted in December 2021 as part of the Mod 9 approval) and "Non-compliance" (which was inserted in October 2018 as part of the Mod 5 approval) due to the potential for confusion regarding the appropriate classification of a monitoring limit exceedance which does not cause or threaten to cause "Material harm" to the environment (as defined in the Project Approval).

BHOP notified the DPE and/or EPA of the following 'non-compliances' which occurred during the audit period.

1. 14-15 March 2022 non-compliance (INX No. 7698): TEOM1 power outage on 14-15 March 2022. BHOP notified the DPE and EPA of this non-compliance on 24 March 2022. This non-compliance was notified as relating to Project Approval Schedule 3, Condition 3, Table 2 requirements for PM₁₀ measurements to be collected over an averaging period of 24 hours and EPL 12559 requirements for collection of daily data for Points 13 and 14.
 BHOP's letter of 24 March 2022 (submitted to the DPE nine days after the non-compliance, slightly later than the seven day limit in Project Approval Schedule 4, Condition 5A) described the non-compliance as: "On the evening of Monday 14 March 2022 a severe weather event caused a temporary power disruption to TEOM1 which caused the Safety Switch Circuit Breaker regulating power to the TEOM unit to close at approximately 8:20 PM and it was not restarted until the next morning at approximately 7:00 AM, 15 March 2022."
 BHOP's letter of 24 March 2022 stated corrective actions (including establishment of a visual display in the Site Emergency Services Officer's office to monitor TEOM operation). The DPE responded by letter of 6 April 2022, which stated (in part): "Given the circumstances causing the electrical failure the Department has noted the non-compliance and will not be taking any further action in this instance."
2. 4 April 2022 non-compliance (INX No. 7783): Damage to lid on jar for Dust Deposition Gauge 7 (EPL 12559 ID 9) which prevented analysis of DDG7 sample collected on 4 April 2022. BHOP notified the DPE and EPA of this non-compliance on 19 April 2022 (the date of BHOP becoming aware of the non-compliance was not stated in the notification letter). This non-compliance was notified as relating to Project Approval Schedule 3, Condition 3, Table 3 (regarding monthly analysis of deposited dust).

BHOP's letter of 19 April 2022 described the damage as likely to have occurred during transport of samples to the ALS Newcastle laboratory. BHOP's letter of 19 April 2022 stated a corrective action (to ship dust gauge bottles in a foam box within a cardboard box). The DPE responded by letter of 19 April 2022, which stated (in part): "The Department has assessed the non-compliance in accordance with the Departments Compliance Policy and has determined to note the non-compliance."

3. 31 May 2022 non-compliance (INX No. 7872): TEOM1 power outage in the morning of 31 May 2022. BHOP notified the DPE and EPA of this non-compliance on 1 June 2022. This non-compliance was notified as relating to Project Approval Schedule 3, Condition 3, Table 2 (regarding PM₁₀ measurements to be collected over an averaging period of 24 hours).

BHOP's letter of 1 June 2022 described the non-compliance as: "On Tuesday 31 May 2022, TEOM1 was without power for much of the period between 8:00 AM and 4:30 PM due to planned power outages in South Broken Hill. As a result, BHOP is potentially non-compliant with PA07_0018 Schedule 3 Condition 3 Table 2 and EPL12559 requirements for collection of daily data for Points 13 and 14, as an average for the 24 hour period cannot be calculated due to only 16 hours (of the minimum 18 hours) being monitored during the 24 hour period of 31 May 2022. Hence only 67% of the day was monitored and not the required 75%." BHOP's letter of 1 June 2022 noted a 'pertinent fact' that: "TEOM1 is located in a compound managed by Essential Water and it may be for this reason that BHOP did not receive communication from Essential Energy about the planned power outage on 31 May. ... The spare generator maintained by BHOP for such events was off-site undergoing maintenance and upgrades resulting in a minor delay in establishing a back-up power unit."

BHOP's letter of 1 June 2022 stated corrective actions (including BHO to investigate alternate suppliers of equipment monitoring services and automated alert systems). The DPE responded by letter of 6 June 2022, which stated (in part): "Given the circumstances the Department has noted the non-compliance."

4. 22 July 2022 non-compliance (INX No. 8022): Block 7 blasting above 3mm/s over a 12-month period, due to production blasting at Block 7 on 22 July 2022. BHOP notified the DPE of this ground vibration limit exceedance on 5 August 2022 after reviewing the monthly blast summary for the reporting period (the notification letter did not state the date that BHOP became aware of the exceedance). This exceedance was notified as relating to Project Approval Schedule 3, Condition 18, Table 9.

BHOP's letter of 5 August 2022 described the 'non-compliance' as: "On the morning of Friday 22 July 2022 at 6:58am production blasting occurred in Block 7, this blasting resulted in a ground vibration peak particle velocity of 7.75m/s [note: should refer to 7.75mm/s] recorded at the V4 Bowls Club blast monitor. This has been the only blast in Block 7 during the 12 month period between August 2021 and July 2022. Upon conducting the monthly blast summary for the reporting period, Environmental personnel noted that a blast had occurred which exceeded limits set for blasting in Block 7." The Auditors noted that section 5.13 of BHOP's Annual Review 2022 (Revised) stated that this blast "also exceeded criteria for overpressure level resulting from blasting."

BHOP's letter of 5 August 2022 stated a corrective action (any future blasts in Block 7 to be designed with the intention of producing ground vibration within limits). The DPE responded by letter of 12 August 2022, which stated (in part): "The department has assessed this non-compliance in accordance with the department's Compliance Policy and in this instance has determined to record the breach in our system. At this stage, no further enforcement actions are proposed."

5. 1 October 2022 non-compliance (INX No. 8275): TEOM2 vandalism, when at approximately 12:20am on 1 October 2022 an unidentified person disconnected power to the TEOM2 enclosure, removed the access panel and stole the data logger and 4G modem. BHOP notified the DPE of this non-compliance on 7 October 2022. After completion of repairs, TEOM2 recommenced monitoring at 7:00am on 1 October 2022. This non-compliance was notified as relating to Project Approval Schedule 3, Condition 3, Table 2.

BHOP's letter of 7 October 2022 described the non-compliance as: "As TEOM2 was not collecting data for 6 hours and 40 minutes, the data capture from TEOM2 for the 24-hour period was below the required 75% or 18 hours." BHOP's letter of 7 October 2022 described the immediate steps taken in relation to the 'incident' (including restoring the power supply). The DPE responded by letter of 10 October 2022, which stated (in part): "Given the circumstances the Department has noted the non-compliance."

6. 12 October 2022 non-compliance (INX No. 8316): HVAS and HVAS1 lack of data capture on 12 October 2022, following power spikes at approximately 1:30pm on 12 October 2022 which resulted in loss of power to the units. Power was restored to the units at approximately 4:30pm on 12 October 2022. BHOP notified the DPE of this non-compliance by letter of 18 October 2022, submitted on 19 October 2022. This non-compliance was notified as relating to Project Approval Schedule 3, Condition 3.

BHOP's letter of 18 October 2022 described the non-compliance as: "High Volume Air Samplers HVAS and HVAS1 did not run for a complete 24-hour period". BHOP's letter of 18 October 2022 described the immediate steps taken in relation to the non-compliance (including site electricians resetting the tripped safety circuits and restoring power). The DPE responded by letter of 20 October 2022, which stated (in part): "The department has assessed this non-compliance with Schedule 3 condition 3 of the approval in accordance with the departments Compliance Policy and has determined to record the non-compliance."

7. 14-15 March 2023 non-compliance (INX No. 8776): TEOM2 loss of power from approximately 8:00pm on 14 March 2023 to 8:00am on 15 March 2023, due to a fault in the power supply board at the rail loadout (supplying the TSF2 Embankment 2 monitors). Power was restored within one hour of detection of the outage. BHOP notified the DPE of this non-compliance on 21 March 2023. This non-compliance was notified as relating to Project Approval Schedule 3, Condition 3, Table 2 (regarding PM₁₀ measurements to be collected over an averaging period of 24 hours).

The Auditors sighted a BHOP "Incident – Compliance Report" (Incident No. INX 8776). BHOP's notification letter of 21 March 2023 described the immediate steps taken in relation to the non-compliance (including restoring the power supply), and the further actions that will be taken in relation to the non-compliance (including three-hourly remote inspections of equipment status to be conducted by site Emergency Services Officers until additional alerts can be arranged). The DPE responded by letter of 27 March 2023, which stated (in part): "Given the circumstances the Department has noted the non-compliance."

In relation to the above notified non-compliances, BHOP provided information to the DPE as required by Project Approval Schedule 4, Condition 5A apart from a minor delay (i.e. of two days) in providing notification of the TEOM1 power outage of 14-15 March 2022.

During the audit period, no regulator took enforcement action against BHOP in relation to any notified non-compliance.

4.12 Actual versus Predicted Environmental Impacts

This requirement to assess actual versus predicted environmental impacts requires the Auditors to assess both the physical extent of the Rasp Mine and the operational impacts of the Rasp Project.

1. Physical extent: Based on their site inspections during this July 2023 audit, the Auditors consider that the extent of the physical surface of the Rasp Mine (i.e. the actual impact) is consistent with the relevant designated areas in Appendix 2 (Project Area, excluding the underground workings diagram), Appendix 3 (Project Layout Plans) and Appendix 4 (Plan of Free Areas) of the consolidated Project Approval (i.e. the predicted impact). The Auditors did not access the entire surface area of the Rasp Mine, or any underground operations, due to time limitations and safety considerations.

BHOP retains spatial data of the Rasp Mine; for example, Final landform features (Plan 1) and Final landform contours (Plan 2) in Appendix C of BHOP's Rehabilitation Management Plan (issued by EMM Consultants on 2 August 2022). This spatial data is a reference source for BHOP to monitor the physical extent of Rasp Mine activities across applicable domains.

2. Actual impacts: The Auditors assessed actual (i.e. operational) impacts versus predicted impacts of the Rasp Project. Predicted impacts are described in the Environmental Assessments defined in the consolidated Project Approval and in the performance criteria/limits specified in the Project Approval.

During the audit period, 'noise' was an example of an actual impact which was within predicted impacts (for example, noise limits specified in Project Approval Schedule 3, Conditions 17 and 17D). Section 5.14 (Operational Noise) in BHOP's Annual Review 2022 (Revised) reported that in respect of the attended noise measurements completed by EMM Consultants on 27-29 October 2022:

"Regardless of the wind speed [which was above 3 m/s during 23 of the 33 attended measurements], the site noise contribution was below (complied) with the relevant noise limits. The site was inaudible during 16 of the 33 measurements."

Actual impacts occasionally exceeded predicted impacts during the audit period, on the few occasions when environmental incidents occurred.

The occasions when actual impacts exceeded predicted impacts are described in Section 4.10 of this audit report, and against the relevant condition of consent in the Independent Audit Table within Appendix A of this audit report.

The Auditors consider that during the audit period, BHOP effectively managed the actual impacts of the Rasp Project, based on the following evidence:

- BHOP promptly responded to environmental incidents and implemented corrective, and where applicable, preventative actions;
- no exceedances of relevant monitoring limits were recorded except one ground vibration limit exceedance arising from one Block 7 production blast at one monitor (V4) on 22 July 2022; and
- the DPE has recorded 'non-compliances' against the consolidated Project Approval but did not take enforcement action against BHOP in relation to any of those non-compliances.

4.13 Continual Environmental Management Improvement Opportunities

The Auditors consider that during the audit period, BHOP has maintained a high standard of environmental management in relation to:

- air quality management – no air quality limit exceedances were reported; and
- noise and vibration management – only one noise complaint was received (in April 2022, refer to Section 4.9 of this audit report), and only one exceedance of blasting limits occurred (in July 2022, refer to Section 4.11 of this audit report).

The Auditors have identified continual environmental management improvement opportunities as observations (for example, in relation to water management, non-mineral waste management and energy efficiency) against relevant conditions of consent in the Independent Audit Table within Appendix A of this audit report.

As of July 2023, the Auditors consider that the main aspect of environmental management improvement opportunities relates to surface water management, to reduce the risk of off-site water releases from the Rasp Mine site during and after extreme rainfall events. BHOP personnel recognise that surface water management is an environmental aspect which requires additional attention and resources, to enable improvements to be made.

As required by Section 8 (Pollution Studies and Reduction Programs), conditions U1.1 to U1.5 of EPL 12559, BHOP engaged a suitably qualified expert (WSP Consultants) to:

- develop a program to improve the retention capabilities of the Ryan Street (S49) Dam, and investigate the potential for treatment of the Ryan Street (S49) Dam stormwater and the ability to lawfully discharge this stormwater – WSP issued a report: "Ryan Street Dam Water Quality Assessment" on 8 June 2023 (Revision 0). This WSP report included a review of the Ryan Street Dam's capacity (section 1.2), stormwater flow paths (section 2.1), town stormwater discharge requirements (section 2.2), identification of the stormwater receiving environment (section 2.3), and a water quality assessment (section 3, including a discussion of potential water treatment options in section 3.5.2); and
- assess all on-site water management practices and determine the appropriateness of all water storage facilities, with an assessment report to be prepared (and provided to the EPA) and recommendations made to improve environmental performance, onsite water storage capabilities and to limit the likelihood of an offsite discharge, with all recommendations in the assessment report to be implemented by the completion date of 30 June 2023 – WSP issued a report: "Rasp Mine – Surface water management review" on 9 June 2023 (Revision 0). This WSP report included recommendations regarding the six water storage facilities (i.e. S14 House Dam; S17-1, S17-2 and S17-3; Horwood Dam; and S49 Ryan Street Dam) which incurred recent seepage incidents.

The Auditors did not assess the status of BHOP's implementation of WSP's recommendations in either WSP report, given that the implementation timeframe is determined by Section 8 of EPL 12559 only; i.e. a delay in implementation of a WSP recommendation is not a direct non-compliance against a condition of consent in the consolidated Project Approval.

It was stated that an update of the Site Water Management Plan (most recently issued on 25 June 2019) is in progress as of July 2023. The Auditors understand that BHOP will incorporate relevant information from the WSP reports of 8 June 2023 and 9 June 2023 in the next revision of the Site Water Management Plan.

If BHOP rectifies the non-compliances and implements the relevant observations identified in this audit report, there is potential for further improvement in environmental management and environmental performance of the Rasp Project.

4.14 Key Strengths

The Auditors identified that a key strength of the Rasp Project during the audit period was BHOP's high standard of environmental performance in terms of compliance with relevant criteria in the consolidated Project Approval for particulate matter emissions, noise and blasting.

The Auditors identified the knowledge and experience of relevant BHOP personnel as a key strength of environmental management of the Rasp Project during the audit period. BHOP's investment in two full-time Environment personnel, with support from the HSET Manager, General Manager and other personnel (including Emergency Services Officers and Electrical personnel), assisted BHOP to effectively respond to the occasional environmental incidents and monitoring non-compliances which occurred during the audit period.

5 Recommendations

5.1 Non-compliances

For the non-compliances identified in this audit report, the Auditors have provided recommended actions (i.e. recommendations) for BHOP to address those non-compliances. These recommendations are included in Table 3 within Section 4.4 of this audit report, and also in the Independent Audit Findings and Recommendations for the relevant Project Approval conditions in the Independent Audit Table within Appendix A of this audit report.

5.2 Observations

The Independent Audit Table within Appendix A of this audit report includes individually numbered observations. The Auditors have provided these observations as opportunities for improvement, for BHOP's consideration to enable continual improvement to be demonstrated in statutory compliance, environmental management and environmental practices across the operation.

6 BHOP Response to Audit Findings

6.1 Non-compliances

BHOP Environment personnel informed the Auditors that they will record BHOP's responses to the identified 'non-compliant' audit findings and recommendations in a 'non-compliance audit findings action plan' document, having regard to the table example in Appendix D of the IPAR.

6.2 Observations

BHOP Environment personnel informed the Auditors that they will record BHOP's responses to the observations in this audit report in an 'audit observations response' document, having regard to the table example in Appendix D of the IPAR.

7 Limitations of Audit

The scope of this independent environmental audit in July 2023 included an assessment of the proponent's compliance with the applicable conditions of the consolidated Project Approval, and an assessment of other relevant matters as described in Section 3.3 of the IPAR. The Auditors developed this audit scope in accordance with the requirements in Schedule 4, Condition 7 of the consolidated Project Approval and Sections 3.2 and 3.3 of the IPAR.

The period covered by this independent environmental audit ('audit period') is from 12th March 2022 (the day following the date of completion of the on-site component of the March 2022 independent environmental audit) to 7th July 2023 (the last day of the Auditors' on-site attendance at this audit).

This July 2023 audit was conducted by interviews with BHOP personnel and verification of compliance against relevant conditions in the field, and 'sampling' a range of requested documents, records and data associated with the Rasp Project. The nature of sampling during any form of compliance audit is such that it may not necessarily identify everything that BHOP is, or is not, doing in relation to an individual condition of the consolidated Project Approval.

This July 2023 audit was commissioned by BHOP to comply with Schedule 4, Condition 7 of the consolidated Project Approval. No other warranty, expressed or implied, is made as to the professional advice indicated in this audit report. Note that this report may not contain sufficient information for the purposes of other parties or for other uses.

The content of this audit report applies only to matters which were available to and/or evident to the Auditors at the time of this independent environmental audit and within the scope of the audit. The status of environmental compliance can change in a limited time, which may be important if the report is used after any protracted delay.

The Auditors did not conduct any environmental monitoring activities during this July 2023 audit. Sample collection practices in the field were not assessed during this July 2023 audit. However, the Auditors noted that BHOP's environmental monitoring records, including reports prepared by external consultants (EMM for noise monitoring and Assured Environmental for point source air emissions monitoring), were complete (i.e. no missing data) and readily accessible.

The Auditors selected the site inspection locations with the aim of ensuring that a representative sample of operational facilities and activities could be inspected/audited against relevant conditions. Site inspections were completed at various locations and infrastructure associated with the Rasp Project and applicable to conditions of the consolidated Project Approval.

Environmental compliance audits such as this independent environment audit are typically based on the selective testing of the information and data being examined. Non-compliances may exist and not be detected. An environmental compliance audit is not designed to identify and detect all instances of non-compliance against the consolidated Project Approval, as the audit is not performed continuously throughout the audit period.

The audit findings, recommendations and observations expressed in this audit report have been formed and are based on the above limitations.

This audit report does not, and does not purport to, give legal advice on the actual or potential liabilities of the operation, or draw conclusions as to whether any particular circumstances constitute a breach of relevant legislation. Only qualified legal practitioners who are retained to provide legal advice can provide this advice.

8 Conclusion

This independent environmental audit of the Rasp Project was conducted by Integrated Environmental Systems Pty Ltd in July 2023. The audit team comprised Kurt Hammerschmid (Lead Auditor) and Adam Jones (Auditor). The Auditors attended the Rasp Mine at 130 Eyre Street, Broken Hill, from Monday 3rd July to Friday 7th July 2023.

This July 2023 audit was conducted in accordance with the NSW Government's *Independent Audit Post Approval Requirements*, issued in May 2020 (IPAR). The overall findings of this audit are as follows:

- All 75 conditions in the consolidated Project Approval 07_0018 (as of 13 December 2022) were audited. As recorded in this audit report, this audit identified 47 'compliant' findings, 16 'non-compliant' findings, and 12 'not triggered' findings.
- BHOP was compliant with 47 out of the 63 applicable conditions (i.e. all conditions except those which were 'not triggered').
- This audit report includes a recommendation for each of the 16 non-compliance audit findings.

This audit report includes 53 observations. Observations are provided for BHOP's consideration as opportunities for improvement, enabling continual improvement to be demonstrated in statutory compliance, risk reduction and environmental management, practices and performance across the operation.

No major or systemic (i.e. widespread) environmental issues were identified during this July 2023 audit. The Auditors consider that during the audit period, BHOP has maintained a high standard of environmental management of the Rasp Project.

Appendix A: Independent Audit Table

The Independent Audit Table which commences on the next page, provides detailed information regarding the findings identified in this independent environmental audit against the conditions of consent in consolidated Project Approval 07_0018. Observations are provided for BHOP's consideration as opportunities for improvement, enabling continual improvement to be demonstrated in statutory compliance, risk reduction and environmental management, practices and performance across the operation.

In relation to the consolidated Project Approval conditions of consent as reproduced in the second column of the Independent Audit Table:

- Black type represents the original Project Approval of 31 January 2011;
- Red type represents the March 2012 Modification (Mod 1 – Ventilation Shaft);
- Blue type represents the August 2014 Modification (Mod 2 – 24 Hour Primary Crusher);
- Green type represents the March 2015 Modification (Mod 3 – Block 7 Extension);
- Purple type represents the September 2017 Modification (Mod 4 – Tailings Storage Facility);
- Dark blue type represents the November 2018 Modification (Mod 5 – Cement Silo and Warehouse Extension);
- Orange type represents the July 2019 Modification (Mod 7 – Additional Crushing and Screening);
- Brown type represents the April 2021 Modification (Mod 8 – Underground Mining Extension);
- Pink type represents the December 2021 Modification (Mod 9 – Extension of Underground Exploration);
- Mustard type represents the March 2022 Modification (Mod 6 – Tailings Management and Underground Access)
- Lime Green type represents the December 2022 Modification (Mod 10 – Temporary Tailings Stockpile).

Independent Audit Table

Project Approval 07_0018: Schedule 2 – Administrative Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
Condition 1	<p>Obligation to minimise harm to the environment</p> <p>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.</p>	<ul style="list-style-type: none"> • Audit interviews (Senior Environmental Adviser, HSET Manager and General Manager) • Photos 1 to 7 (see Appendix F), and BHO-supplied Photos 8 and 9 of underground infrastructure (see Appendix F) • Annual Review 2022 (Revised) (for reporting period 1 January 2022 to 31 December 2022) • Construction Environment Management Plan (CEMP) – MOD6 Box cut, Portal, TSF3 and Tails Harvesting (BHO-PLN-ENV-012, Revision 4, issued 11 November 2022) • RASP Mine Incident Response Soil Investigation letter (draft, issued on 23 December 2022 by EMM Consultants), in relation to Incident INX Nos. 7687, 8036 and 8370 • Incident Investigation Report (BHO-FRM-SAF-009, Revision 2, issued 10 July 2016): “Offsite tailings discharge from TSF2” (Incident No. INX 8536) signed 23 January 2023 	<p>The Auditors consider that during the audit period, BHOP has maintained a high standard of environmental management.</p> <p>However, the Auditors consider that as of July 2023, BHOP has not implemented ‘all’ reasonable and feasible measures to prevent and/or minimise material harm (including potential harm) to the environment that may result from the construction, operation or rehabilitation of the Rasp Project. The audit finding against this condition is based on evidence collected regarding the following environmental incidents which occurred during the audit period:</p> <ul style="list-style-type: none"> • an off-site seepage of contaminated water from the S49 Ryan Street Dam which commenced on 10 March 2022 (in the previous audit period) and continued after extreme rainfall events on 16 March 2022 (72.4mm) and 26-27 April 2022 (54.8mm) (INX No. 7687) – see Photos 1 and 2; • off-site seepage of contaminated water from the S14 House Dam on 28 April 2022 which occurred after a heavy overnight rainfall event of 54.8mm on 26-27 April 2022 (INX No. 7846) – see Photo 3; • off-site seepage of contaminated water on 30 July 2022 from a failed join in the discharge pipe for the Mill Overflow Pond (INX No. 8036) – see Photo 4; • an off-site release of oil-contaminated water from a redundant fuel tank at the Stores lot on 31 October 2022 (INX No. 8370) – see Photo 5; and 	Non-compliant	NC1

Project Approval 07_0018: Schedule 2 – Administrative Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
		<ul style="list-style-type: none"> • Human Health Risk Assessment for Rasp Mine, Modification 6 (issued by SLR Consultants, doc ref: 640.12028-R01-v3.0, dated 14 December 2020) • Environmental Management Strategy (BHO-ENV-SYS-001, Version V4, issued 28 April 2023) • Selected environmental monitoring plans • Selected environmental monitoring procedures including: <ul style="list-style-type: none"> ○ Dust Deposition Gauge Monitoring Procedure (BHO-PRO-ENV-001, Revision No. 3, issued on 20 June 2023) ○ High Volume Air Sample Monitoring Procedure (BHO-PRO-ENV-002, Revision No. 3, issued on 21 June 2023) ○ Tapered Element Oscillating Microbalance (TEOM) & Beta Attenuation Mass (BAM) Monitoring Procedure (BHO-PRO-ENV-010, Revision 2, issued 26 June 2023) ○ Noise Monitoring Procedure (BHO-ENV-PRO-012, Revision 3, issued 4 August 2020) 	<ul style="list-style-type: none"> • an off-site release of tailings from a flow pathway in the TSF2 embankment on 24 December 2022 (INX No. 8536) – see Photos 6 and 7. <p>Non-compliance No. 1</p> <p>Despite having implemented measures to prevent and/or minimise any material harm to the environment, the environmental incidents which occurred during the audit period (INX Nos. 7687, 7846, 8036, 8370 and 8536) are evidence that on infrequent occasions, BHOP had not taken 'all' reasonable measures to prevent and/or minimise any material harm to the environment (i.e. which the Project Approval defines as including potential harm) that may result from the construction, operation or rehabilitation of the Rasp Project.</p> <p>Recommendation No. 1</p> <p>BHOP should ensure that all reasonable and feasible corrective and preventative actions in response to the environmental incidents in INX Nos. 7687, 7846, 8036, 8370 and 8536 are tracked and closed out in INX InControl.</p> <p><u>Underground operations</u></p> <p>Due to time restrictions and safety considerations, BHOP's underground operations were not inspected during this July 2023 audit.</p> <p>Underground infrastructure relevant to potential environmental impacts (e.g. on groundwater) exists in the form of a fuel storage facility and an explosives magazine. It was stated that there were no significant changes to this underground infrastructure during the audit period.</p> <p>In response to the Auditors' request, BHOP provided photos of fuel and explosives underground infrastructure (see Photos 8 and 9).</p>		

Project Approval 07_0018: Schedule 2 – Administrative Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
		<ul style="list-style-type: none"> o Site Water Monitoring Procedure (BHO-ENV-PRO-011, Revision 1, issued 29 June 2023) • Selected weekly Environment meeting minutes (16 August 2022, 6 December 2022, 9 May 2023) • Partially completed (as of July 2023) internal audit (Excel spreadsheet) of the “Construction Environment Management Plan – MOD6 Box cut, Portal, TSF3 and Tails Harvesting” • Blackwood Pit TSF Daily Inspection Checklist (BHO-CKL-MET-022, Revision 4, issued 20 January 2023) – sample completed checklists dated 1 April 2023 and 7 July 2023 	<p><u>Implementation of measures to prevent and/or minimise material harm to the environment</u></p> <p>During the audit period, BHOP has implemented a range of measures to prevent and/or minimise any material harm to the environment that may result from the construction, operation or rehabilitation of the Rasp Project.</p> <p>These measures include: an Environmental Management Strategy, Environmental Management Plans including a Construction Environment Management Plan for Mod 6 works, INX InControl management system for environmental incidents, the Pronto asset management and preventative maintenance system, and environmental monitoring procedures.</p> <p><u>Construction Environment Management Plan</u></p> <p>An example of the measures implemented by BHOP to minimise any material harm to the environment is the partial (ongoing) completion of an internal audit (an Excel spreadsheet sighted by the Auditors and prepared by BHOP’s Environmental Graduate) against construction activities under the “Construction Environment Management Plan – MOD6 Box cut, Portal, TSF3 and Tails Harvesting”.</p> <p>Observation No. 1 – BHOP should review and update the circa 2010 Environmental Risk Register referenced in Appendix C of the Environmental Management Strategy, to enable BHOP to identify, prioritise and control significant environmental risks under current operations. BHOP’s could potentially use its current health and safety risk assessment as a template.</p>		

Project Approval 07_0018: Schedule 2 – Administrative Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p><u>Environmental monitoring</u></p> <p>During this July 2023 audit, the Auditors sighted selected environmental monitoring procedures as noted in the 'Evidence Collected' column. Most of these procedures were reissued in 2023.</p> <p>In January 2023, BHOP commenced using the MonitorPro environmental data management system, which will replace the use of Excel spreadsheets for monitoring data retention.</p> <p>The Auditors sighted a selection of environmental monitoring data/records as identified against relevant conditions of consent in this Independent Audit Table.</p> <p><u>Consultation with agencies</u></p> <p>In accordance with the IPAR, the Lead Auditor invited agencies to comment on environmental issues within the scope of this July 2023 audit. In relation to the agencies which responded to the Lead Auditor's consultation letters (reproduced in Appendix C of this audit report):</p> <ul style="list-style-type: none"> The Auditors considered the Resources Regulator's letter of 29 June 2023 when assessing BHOP's compliance against relevant conditions of consent, including this condition and Project Approval Schedule 3, Conditions 34, 34A and 35. The Auditors considered the Biodiversity and Conservation Division's (BCD) email of 29 June 2023 when assessing BHOP's compliance against this condition of consent. It was stated that during the audit period, BHOP has not detected any evidence of bat colonisation in former underground workings during Mod 6 works to date. This matter was previously raised by the BCD for consideration in the March 2022 audit. 		

Project Approval 07_0018: Schedule 2 – Administrative Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
Condition 2	<p>Terms of Approval</p> <p>The Proponent must carry out the project:</p> <p>(a) generally in accordance with the EA;</p> <p>(b) in accordance with the conditions of this approval; and</p> <p>(c) in accordance with any written directions of the Secretary.</p> <p><i>Note: The general layout of the project is shown in Appendix 2.</i></p>	<ul style="list-style-type: none"> • Audit interview (Senior Environmental Advisor) • Site inspection – Photos 10 and 11 (see Appendix F) • Environmental Assessment (EA) documents as defined in the Project Approval, relating to Modifications 6 and 10, comprising: <ul style="list-style-type: none"> ○ Modification application 07_0018 Mod 6 and accompanying Modification Report titled: Rasp Mine Modification Report (MOD6) Kintore Pit TSF3 dated August 2021, associated Submissions Report titled: Rasp Mine Submissions Report (MOD6) Kintore Pit TSF3 dated December 2021 and additional information provided by the Proponent to support the modification application and included in Appendix A of the Department's assessment report on Modification 6 ○ Modification application 07_0018 Mod 10 and accompanying Modification Report titled: Rasp Mine Modification 10 	<p>In site inspections during this July 2023 audit (see Photos 10 and 11), there was evidence that BHOP is carrying out the Rasp Project in accordance with the EAs that were approved during this audit period (i.e. Mod 6 and Mod 10), and with previous EAs to the extent that those EAs apply to current operations.</p> <p>Subject to the non-compliances identified against the relevant conditions of consent in this Independent Audit Table, BHOP has carried out the Rasp Project in accordance with the conditions of the consolidated Project Approval.</p> <p>As of July 2023, the Secretary has not issued any written directions under this condition, in relation to BHOP's carrying out of the Rasp Project.</p> <p>Representatives of the DPE attended the Rasp Mine (TSF2 and underground inspection) during February 2023. As of July 2023, the DPE has not raised any issues arising from this attendance.</p>	Compliant	

Project Approval 07_0018: Schedule 2 – Administrative Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
		Modification Report, dated November 2022, and additional information provided by the Proponent to support the modification application			
Condition 3	<p>Terms of Approval</p> <p>If there is any inconsistency between the documents listed in condition 2 above, the most recent document in the relevant condition shall prevail to the extent of the inconsistency. However, the conditions of this approval shall prevail to the extent of any inconsistency.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) 	Relevant BHOP personnel understood this interpretative condition.	Compliant	
Condition 4	<p>Terms of Approval</p> <p>Consistent with the requirements of this approval, the Secretary may make written directions to the Proponent in relation to:</p> <p>(a) the content of any strategy, study, system, plan, program, review, audit, notification, report or correspondence submitted under or otherwise made in relation to this approval, including those that are required to be, and have been, approved by the Secretary; and</p> <p>(b) the implementation of any actions or measures contained in any such document referred to in condition 4(a).</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Nothing received in relation to relation to paragraph (b) of this condition. Email of 5 April 2023 from Secretary requesting BHOP to amend the Annual Review for the reporting period from 1 January 2022 to 31 December 2022 	<p>In relation to paragraph (a) of this condition, the Secretary made written directions to BHOP in relation to the Annual Review for the reporting period 1 January 2022 to 31 December 2022.</p> <p>By letter dated 5 April 2023, the Secretary requested BHOP to amend the Annual Review. BHOP submitted a revised Annual Review (i.e. the Annual Review 2022 (Revised)) to the Secretary, and as of July 2023, is awaiting confirmation from the Secretary regarding acceptance of the revised Annual Review.</p> <p>In relation to paragraph (b) of this condition, it was stated that the Secretary has not made any written direction to BHOP regarding implementation of any actions or measures.</p>	Compliant	
Condition 5	<p>Limits on Approval – Mining Operations</p> <p>The Proponent may carry out mining operations on site until 31 December 2026.</p> <p><i>Note to Condition 5: Under this approval, the Proponent is required to rehabilitate the site and carry out additional</i></p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Rehabilitation Management Plan (RMP) Rasp Mine (Version V1, issued by EMM) 	Section 1.1.2(i) (Approved life of mine) in BHOP's Rehabilitation Management Plan acknowledges this current end date of 31 December 2026, and reads:	Compliant	

Project Approval 07_0018: Schedule 2 – Administrative Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
	<i>undertakings to the satisfaction of the Secretary. Consequently, this approval will continue to apply in all respects – other than the right to conduct mining operations – until the rehabilitation of the site and these additional undertakings have been carried out satisfactorily.</i>	Consultants on 2 August 2022), including: <ul style="list-style-type: none"> o Section 1.1.2(i) (Approved life of mine) o Table 1.1 (Development consents) o Table 1.2 (Mining authorities) o Section 6.2.1 (Active mining phase) 	“PA 07_0018 approves mining operations on site until 31 December 2026 at a maximum rate of 500,000 tpa or more than 8,450,000 t of ore over the life of the project. It is anticipated that BHOP will seek to extend this approval to align with the increase in tails storage capacity approved in MOD6, an additional approximately 13 years.”		
Condition 6	Limits on Approval – Production The Proponent shall not extract more than 500,000 tonnes of ore per annum on-site, or more than 8,450,000 tonnes of ore over the life of the project.	<ul style="list-style-type: none"> • Audit interview (Senior Environmental Advisor) • BHOP production monthly reports – December 2022 and May 2023 (draft) (these documents are commercial in confidence) • Annual Review 2022 (Revised) – Section 2.2 (second paragraph refers to these limits) and Table 4-1 	The Auditors sighted information in BHOP’s monthly production reports which confirmed that extraction of ore was within the annual limit of 500,000 tonnes, as follows: <ul style="list-style-type: none"> • in 2022 – 432,925 tonnes ‘ore mined’ (BHOP December 2022 Monthly Report); • in 2023 to end of May, 132,329 tonnes ‘ore mined’ (BHOP draft May 2023 Monthly Report). Table 4-1 in BHOP’s Annual Review 2022 (Revised) records cumulative production of ore as at the end of the reporting period (31 December 2022) as 6,432,905 tonnes.	Compliant	
Condition 6A	Limits on Approval – Production The annual extraction limit set in Schedule 2 condition 6 can be increased up to no more than 750,000 tonnes of ore per annum subject to further air quality impact assessment undertaken to the satisfaction of the EPA and a revised limit approved in writing by the Secretary.	<ul style="list-style-type: none"> • Audit interview (Senior Environmental Advisor) 	This condition was first included in the Project Approval on 16 March 2022, and was not triggered during the audit period. As referred to in the ‘Independent Audit Findings and Recommendations’ for Schedule 2, Condition 6, annual extraction in the 2022 calendar year did not exceed 500,000 tonnes of ore. During the audit period, BHOP did not seek the Secretary’s approval under this condition.	Not triggered	

Project Approval 07_0018: Schedule 2 – Administrative Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
Condition 7	<p>Limits on Approval – Transport</p> <p>Until ore processing facilities have been constructed and commissioned on the site, the Proponent is permitted to transport crushed ore by road to the Endeavour Mine, or such other location approved by the Secretary, for processing. Following commissioning of the ore processing facilities, the Proponent shall only transport zinc and lead concentrates from the site by rail, except in an emergency situation and with the prior written approval of the Secretary.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Annual Review 2022 (Revised) – Section 2.2 	<p>Only the second sentence of this condition (i.e. following commissioning of ore processing facilities) is applicable during the audit period.</p> <p>It was stated that during the audit period, there was no emergency situation which required lead and zinc concentrates to be transported, with the prior written approval of the Secretary, from the site by a form of transport other than by rail.</p> <p>Section 2.2 of the Annual Review 2022 (Revised) notes that all concentrate product is transported by rail. It was stated that during the audit period, BHOP has only used rail for the transportation of zinc and lead concentrates, with:</p> <ul style="list-style-type: none"> zinc concentrate being transported by rail to the Shiploader in Newcastle, NSW until February 2023; zinc concentrate being transported by rail to Port Pirie, South Australia since February 2023; and lead concentrate (including silver) being transported by rail to Nystar at Port Pirie, South Australia. 	Compliant	
Condition 8	<p>Structural Adequacy</p> <p>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.</p> <p><i>Notes to Condition 8:</i></p> <ul style="list-style-type: none"> <i>Under Part 6 of the EP&A Act, the Proponent is required to obtain construction and occupation certificates for the proposed building works; and</i> <i>Parts 1-9 of the Environmental Planning and Assessment (Development Certification and Fire Safety) Regulation 2021 sets out the requirements for the certification of the project.</i> 	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) “Official Caution issued to Broken Hill Operations Pty Ltd (MP07_0018) Broken Hill City LGA” – as posted on NSW Planning Portal DPE Major Projects website, ‘Compliance’ tab: https://www.planningportal.nsw.gov.au/major-projects/projects/rasp-leadzincsilver-project 	<p>The Building Information Certificates issued by Broken Hill City Council on 13 March 2023 for the Concrete Batching Plant and the Stores Extension, are evidence that BHOP has rectified the following non-compliance against this condition of consent, as identified in the Official Caution issued by NSW Planning on 3 January 2023.</p> <p>Non-compliance No. 2</p> <p>On 3 January 2023, NSW Planning issued an Official Caution to Broken Hill Operations Pty Ltd (BHOP) for failing to obtain construction certificates for the concrete batching plant and warehouse extension at the RASP Mine.</p>	Non-compliant	NC2

Project Approval 07_0018: Schedule 2 – Administrative Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
		<ul style="list-style-type: none"> Building Information Certificates issued by Broken Hill City Council on 13 March 2023 as follows: <ul style="list-style-type: none"> NSW Planning Portal Reference No. BIC-12151 for the Stores Building Extension NSW Planning Portal Reference No. BIC-12188 for the Concrete Batching Plant and associated structures Annual Review 2022 (Revised) – Section 4.2 	<p>Recommendation No. 2</p> <p>No action is required to rectify this non-compliance (i.e. the required Building Information Certificates were issued by Broken Hill City Council on 13 March 2023). When planning a construction project, BHOP should review whether the requirements of Project Approval Schedule 2, Condition 8 will apply to that project, and if applicable, include the relevant BCA requirements in the project schedule.</p> <p>Section 4.2 of BHOP's Annual Review 2022 (Revised) reported that no new buildings were constructed on CML7 during the reporting period from 1 January 2022 to 31 December 2022.</p> <p>In site inspections during this July 2023 audit, the Auditors did not observe any new buildings under construction, or any current buildings being altered.</p>		
Condition 9	<p>Demolition</p> <p>The Proponent shall ensure that all demolition work is carried out in accordance with <i>Australian Standard AS 2601-2001: The Demolition of Structures</i>, or its latest version.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Annual Review 2022 (Revised) 	<p>It was stated that during the audit period, no on-site structures were demolished.</p> <p>It was stated that during the audit period, no asbestos was removed from site, and that the operation maintains an asbestos register.</p> <p>The Annual Review 2022 (Revised) does not refer to any demolition work being carried out during 2022. During their site inspections the Auditors did not observe any demolition work in progress.</p> <p>It was stated that if any demolition work is to occur, BHOP would ensure that the work is carried out in accordance with this condition.</p>	Compliant	

Project Approval 07_0018: Schedule 2 – Administrative Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
Condition 10	<p>Operation of Plant and Equipment</p> <p>The Proponent shall ensure that all the plant and equipment used on site, or to transport materials to and from the site, is:</p> <p>(a) maintained in a proper and efficient condition; and</p> <p>(b) operated in a proper and efficient manner.</p>	<ul style="list-style-type: none"> Audit interviews (Senior Environmental Adviser, Mill Maintenance Planner, Mobile Plant Planner, Training Coordinator, HSET Manager and General Manager) Site inspection – Photos 12, 13 and 14 (see Appendix F) RASP Mine Incident Response Soil Investigation letter (draft, issued on 23 December 2022 by EMM Consultants), in relation to Incident INX Nos. 7687, 8036 and 8370 “Container Damage Checklist” form (BHO-CKL-MET-XXX, Revision 3, issued 1 October 2021) – sample completed forms dated 17 April 2023 and 1 May 2023 Blackwood Pit TSF Daily Inspection Checklist (BHO-CKL-MET-022, Revision 4, issued 20 January 2023) – sample completed checklists dated 1 April 2023 and 7 July 2023 INX InTuition ‘Person Status Report’ which recorded the status of competencies (e.g. TRN-001-Rasp Mine Site Induction, PRO-SAF-006 Job Safety Analysis (JSA) Procedure) 	<p>The Auditors consider that every incident which occurred during the audit period, except the TSF2 seepage incident of 24 December 2022, was at least partly attributable to unreliable or missing plant and equipment, and which BHOP could have reasonably identified in a risk assessment.</p> <p>The Auditors consider that the TSF2 seepage incident of 24 December 2022 (INX No. 8635) could not have reasonably been prevented by BHOP (e.g. TSF2 had received a Risk Report for Dam Break from TSF2 Blackwood Pit from WSP Golder on 21 December 2022), and hence is not a non-compliance against this condition.</p> <p>Observation No. 2 – To help ensure effective containment of uncontrolled releases outside of containment structures, BHOP could maintain a suitable inventory of large absorbent booms.</p> <p>Non-compliance No. 3</p> <p>BHOP was unable to demonstrate that it maintained plant and equipment in a proper and efficient condition in relation to the environmental incidents INX Nos. 7687, 7846, 8036, 8370 and 8536 which occurred during the audit period.</p> <p>Recommendation No. 3</p> <p>BHOP should ensure that all reasonable and feasible corrective and preventative actions in response to the environmental incidents in INX Nos. 7687, 7846, 8036, 8370 and 8536 are tracked and closed out in INX InControl.</p> <p><u>Paragraph (a): Maintenance of plant and equipment</u></p> <p>BHOP utilises the Pronto asset maintenance system to define its plant and equipment assets, and for maintenance planning and scheduling.</p>	Non-compliant	NC3

Project Approval 07_0018: Schedule 2 – Administrative Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>In relation to paragraph (a) of this condition, the Auditors sighted selected maintenance records held in the Pronto system (including assigned work priorities from '1' to '5', with '1' being immediate, '2' within 24 hours, '3' within 7 days, '4' within 4 weeks and '5' during shutdown). These Pronto records included the following selected assets:</p> <ul style="list-style-type: none"> Crushing Area Dust Collector (Plant Item 310-DC-01) – PM task 600007 for replacement of filter bags at 24-month frequency (priority 4), and work orders history from 'start dates' of 20 May 2021 to 28 May 2023 (see Photo 12); Horwood Dam Pump (Plant Item 402-PP-03) – work order 0327775 regarding a cut cable with start date of 11 June 2023 (priority 3 but as of 5 July 2023, not recorded as completed), and work orders history from 'start dates' of 13 April 2017 to 11 June 2023; Waste Oil Seperator [sic] (Plant Item RINFR-OS) – work order 0326370 regarding "4 Weekly Oily Water Seperator Service" (priority 3, start date of 8 June 2023 and finish date of 17 June 2023, which is slightly longer than the priority 3 timeframe); Truck Wash – Adjacent to Store (Plant Item RINFR-TW) – work order history from 2 March 2023 to respective scheduled work orders 0326697 and 0329070 of 6 July and 20 July 2023 for "raw water filters inspection and clean"; Pb Con Shipping Containers (Plant Item CC-PB) – work order history from 7 June 2022 to work order 0328719 of 29 June 2023 for "repairs to pb containers latches locking bars etc"; 		

Project Approval 07_0018: Schedule 2 – Administrative Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<ul style="list-style-type: none"> Zn Con Shipping Containers (Plant Item CC-ZN) – work order history from 30 May 2022 to work order 0328718 of 29 June 2023 for “20 x zn container repairs”; Transtank at Mobile maintenance workshop (Plant Item RINFR-TR) – work order history from 29 July 2022 to scheduled work order of 23 July 2023 for “monthly inspection Transtank fuel pumping unit”; BHOP’s water trucks (Pronto items WT-03 Isuzu and WT-04 Freightliner) – work order inspection and service history from 1 February 2022 to 28 June 2023 (WT3) and work order inspection and service history from 8 March 2022 to 24 May 2023 (WT4); PM task no. 6000001 for a monthly electrical service of TEOM1 (most recently on 3 June 2023) and TEOM2 (most recently on 25 May 2023). <p>During this July 2023 audit, the only environmental monitoring equipment assets which were retrievable in Pronto were the TEOM1 and TEOM2 units (i.e. unchanged from the March 2022 audit). It was stated that during the audit period, environmental monitoring equipment has been assigned priority ‘1’ (i.e. immediate) in Pronto. However, during this July 2023 audit, maintenance of the TEOM units was observed to have priority ‘3’ (i.e. within 7 days).</p> <p>Observation No. 3 – To facilitate scheduling for maintenance of environmental assets (e.g. monitoring equipment) and assigning priority status for repair and replacement, BHOP could include all relevant environmental assets in Pronto.</p>		

Project Approval 07_0018: Schedule 2 – Administrative Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>Observation No. 4 – To improve the ongoing status of compliance with monitoring requirements of the Project Approval and EPL 12559, the maintenance, repair and replacement of environmental monitoring equipment could be assigned a priority ‘1’ status in Pronto.</p> <p>During this July 2023 audit, the number of spare filter bags currently held on site for use in the Crusher Baghouse was able to be identified in the Pronto system. The Auditors observed a sufficient supply of spare filter bags in the Stores building during their site inspection on 5 July 2023.</p> <p>In site inspections during this July 2023 audit, the Auditors observed a high standard of housekeeping (i.e. storage and cleanliness) in all Rasp Mine areas except the workshop area. The observed standard of housekeeping in the workshop area was barely adequate (see Photos 13 and 14). It was stated that as of July 2023, the workshop was short-staffed.</p> <p>It was stated that workshop weekly inspections are completed. However, during this July 2023 audit, BHOP was unable to provide evidence of completed inspection forms or Pronto records for workshop inspections during the audit period.</p> <p>It was stated that there is no requirement in the Pronto system to attach an inspection checklist or refer to a checklist reference number, before recording that an inspection has been completed.</p> <p>Observation No. 5 – BHOP’s management could conduct unannounced inspections of the workshop area, to monitor and help improve the standard of housekeeping including segregation of waste, and proper storage of equipment (e.g. hand tools, harnesses, chains).</p>		

Project Approval 07_0018: Schedule 2 – Administrative Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>In relation to proper and efficient maintenance of plant and equipment on site, the Auditors sighted completed “Blackwood Pit TSF Daily Inspection Checklist” (BHO-CKL-MET-022, Revision 4, issued 20 January 2023) for selected dates of 1 April 2023 and 7 July 2023.</p> <p>In relation to proper and efficient transportation of concentrate off-site, the Auditors sighted examples of completed “Container Damage Checklist” (BHO-CKL-MET-XXX, Revision 3, issued 1 October 2021) forms dated 17 April 2023 (Pb container 1310) and 1 May 2023 (Pb containers 7780 and 8527), in relation to inspections of loaded concentrate containers used in transport off-site.</p> <p>Observation No. 6 – BHOP could consider the feasibility of recording completed site inspections (including workshop inspections) into Pronto by:</p> <ul style="list-style-type: none"> • using an electronic checklist on a tablet or other device instead of using hard copy checklists; or • requiring hard copy inspection checklists to either be attached or referenced (e.g. by a unique checklist number) in Pronto. <p>Observation No. 7 – If BHOP continues to use hard copy site inspection (including workshop inspection) forms, BHOP could investigate the feasibility of scanning and entering completed forms into Pronto:</p> <ul style="list-style-type: none"> • to facilitate ease of reference in tracking relevant work orders from the date of inspection (as distinct from date of entry into Pronto) to date of completion; and • as a back-up measure in the event that the original completed hard-copy forms are mislaid. 		

Project Approval 07_0018: Schedule 2 – Administrative Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p><u>Paragraph (b): Operation of plant and equipment</u></p> <p>In relation to paragraph (b) of this condition, the Auditors sighted examples of the INX InTuition 'Person Status Report' which recorded the status of competencies (e.g. TRN-001-Rasp Mine Site Induction, PRO-SAF-006 Job Safety Analysis (JSA) Procedure) of a BHOP employee and of an employee of a long-term contractor (CMC).</p> <p>The Auditors consider that none of the environmental incidents which occurred during the audit period related to incorrect operation of plant and equipment (i.e. an operator error).</p>		
Condition 11	<p>Staged Submission of any Strategy, Plan and Program</p> <p>With the approval of the Secretary, the Proponent may submit any strategy, plan or program required by this approval on a progressive basis.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) 	<p>During the audit period, BHOP has not requested the Secretary's approval to submit any strategy, plan or program on a progressive basis.</p>	Not triggered	
Condition 12	<p>Surrender of Development Consents</p> <p>Within six months of the commencement of works the subject of this approval, the Proponent shall surrender all existing development consents applying to the site in accordance with section 4.63 of the EP&A Act.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) 	<p>The Auditors interpret the 'six month' time limit in this condition as applying only to the commencement of works following the original grant of the Project Approval on 31 January 2011 (i.e. not to subsequent modifications).</p> <p>It was stated that during the audit period, the DPE has not required BHOP to surrender any development consents.</p> <p>As noted against this condition of consent in the March 2022 audit report:</p> <p>"It was stated that no archive folder of former approvals is currently maintained by the operation.</p> <p>It was stated that BHOP would experience difficulty in surrendering Development Consents/Approvals that have expired."</p>	Not triggered	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
Condition 1	<p>Air Quality and Greenhouse Gas – Odour</p> <p>The Proponent shall ensure that no offensive odours are emitted from the site, as defined under the POEO Act.</p>	<ul style="list-style-type: none"> Audit interview (Environmental Graduate) Air Quality Management Plan (BHO-PLN-ENV-001, Revision 7, issued 4 March 2022) 	<p>Table 6 within BHOP's Air Quality Management Plan describes the following air quality target in relation to odours: "No odour complaints associated with BHOP operations."</p> <p>It was stated that during the audit period, no offensive odours were emitted from the site.</p> <p>During the audit period, BHOP has not received any odour-related complaint from the community.</p> <p>The only source of known localised odours at the operation relates to the use of bulk flotation chemicals (xanthate) within the lead circuit of the processing plant. It was stated that the quantity and scale of use of bulk flotation chemicals is insufficient to enable odours from these chemicals to be detected at the boundary of the site.</p> <p>The 'NSW Department of Health approved' dust suppressants (Total Ground Control, and Dustbinder) used on site during the audit period are not known to cause any odours.</p>	Compliant	
Condition 2	<p>Air Quality and Greenhouse Gas – Greenhouse Gas Emissions</p> <p>The Proponent shall implement all reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site to the satisfaction of the Secretary.</p>	<ul style="list-style-type: none"> Audit interviews (Environmental Graduate and Commercial Superintendent) National Greenhouse and Energy Reporting, Section 19 – Emissions and Energy Report, CBH Resources Limited, for the reporting year 2021 – 2022 (NGERS report) "NPI Report for 21/22 CBH Resources- Rasp Mine 1333 Financial Year" 	<p>Section 6.15 of BHOP's Air Quality Management Plan (AQMP) states (in part):</p> <p>"The greenhouse gas (Scope 1 and 2) intensity of the Project equates to less than 50 ktCO₂-e/t and the MOD6 operational scenario is not anticipated to have a material impact upon current GHG emissions compared to the status quo."</p> <p>Section 6.15 of the AQMP commits BHOP to undertake the following management measures to minimise energy consumption and greenhouse gas emissions:</p> <ul style="list-style-type: none"> <i>efficiency of all new mobile and fixed equipment will be considered during procurement for both diesel and electric powered equipment;</i> 	Non-compliant	NC4

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
		<ul style="list-style-type: none"> Air Quality Management Plan (BHO-PLN-ENV-001, Revision 7, issued 4 March 2022) Annual Review 2022 (Revised) 	<ul style="list-style-type: none"> <i>within 12 months of commencement of underground mining and annually thereafter, NGER scheme reporting will be conducted to quantify emissions;</i> <i>equipment will be maintained to retain high levels of energy efficiency;</i> <i>the inventory of emissions developed for the Environmental Assessment will be updated and maintained annually through the NGERs process; and</i> <i>annual emission estimations and abatement strategies will be reported annually within the Annual Review.</i> <p>During this July 2023 audit, there was evidence that BHOP has implemented the measures described in the above second, third and fourth dot points in section 6.15 of the AQMP.</p> <p>During this July 2023, audit, BHOP was unable to provide evidence that it has considered the efficiency of all new mobile and fixed equipment during procurement for both diesel and electric powered equipment (for example, the new electric pump recently installed at S49 Ryan Street Dam).</p> <p>BHOP's Annual Review 2022 (Revised) did not include any reporting of annual emission estimations and abatement strategies, as referred to in section 6.15 (fifth dot point) of the AQMP.</p> <p>Non-compliance No. 4</p> <p>BHOP was unable to provide evidence that it has implemented 'all' reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site, because BHOP could not provide evidence that it has implemented all management measures described in section 6.15 of the Air Quality Management Plan.</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>Recommendation No. 4</p> <p>BHOP should implement the first and fifth management measures described in section 6.15 of the Air Quality Management Plan; i.e. document a procedure or checklist regarding consideration of energy efficiency during procurement for both diesel and electric power equipment; and report on annual emission estimations and abatement strategies within each Annual Review.</p> <p>It was stated that the primary consumers of energy at the operation include: a) electricity for the process plant; b) electricity for vent fans; and c) diesel consumed by the mining fleet.</p> <p>Electricity utilised by BHOP at the Rasp Mine is sourced from the state electricity network/grid (the supplier is Essential Energy). As of July 2023, it could not be verified what percentage (if any) of BHOP’s energy consumption on site is derived from renewable sources.</p> <p>As of July 2023, BHOP has no formal ongoing program for the improvement of energy efficiency, reduced energy use or greenhouse abatement.</p> <p>Observation No. 8 – BHOP could consider the feasibility of implementing site-generated energy sources; for example, solar panels and battery storage to provide backup power in the event of interruptions to externally supplied electricity, which could reduce the risk of non-compliances against the Project Approval due to non-functioning monitoring equipment.</p> <p>Greenhouse emissions for the operation are reported in the annual National Pollutant Inventory (NPI) which is submitted to the EPA and in annual NGERS reports which are submitted to the Australian Government’s Clean Energy Regulator.</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>The Auditors sighted BHOP's NPI Report for 21/22 as submitted to the EPA via <i>eConnect EPA</i> on 28 September 2022, and CBH's NGRS report for the reporting period 2021-2022 as submitted to the Clean Energy Regulator on 26 October 2022.</p> <p>Observation No. 9 – BHOP could consider the feasibility of benchmarking its emissions data (per tonne of concentrate) against other lead/zinc/silver mining operations, to potentially identify industry best practice and realise energy efficiency gains.</p> <p>As of July 2023:</p> <ul style="list-style-type: none"> no formal or informal voluntary greenhouse gas emissions reduction program had been developed or implemented at the Rasp Mine; no known energy audits have been completed to identify actual and potential reduction programs and opportunities available to BHOP; and the Secretary had not prescribed any requirements in relation to minimising the release of greenhouse gas emissions from the Rasp Mine. <p>Observation No. 10 – BHOP could develop and implement a suitable greenhouse gas emissions reduction program, inclusive of formal programs for greenhouse gas reduction and improved energy efficiency.</p> <p>Observation No. 11 – BHOP could commission an independent energy audit of the project to:</p> <ol style="list-style-type: none"> identify opportunities for reductions in greenhouse gas emissions; identify opportunities for improvement in energy efficiency; identify opportunities for energy cost savings; and d) provide information to BHOP's parent company for sustainability reporting purposes. 		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions																																		
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance																													
Condition 3	<p>Air Quality and Greenhouse Gas – Air Quality Criteria</p> <p>The Proponent shall ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the project do not cause an exceedance of the criteria listed in Tables 1, 2 or 3 at any residence on privately-owned land.</p> <p><i>Table 1: Long Term Criteria for Particulate Matter</i></p> <table border="1"> <thead> <tr> <th>Pollutant</th> <th>Averaging Period</th> <th>^d Criterion</th> </tr> </thead> <tbody> <tr> <td>Total solid particles (TSP)</td> <td>Annual</td> <td>^a 90 µg/m³</td> </tr> <tr> <td>Particulate matter < 10 µm (PM₁₀)</td> <td>Annual</td> <td>^a 25 µg/m³</td> </tr> <tr> <td>Particulate matter < 2.5 µm (PM_{2.5})</td> <td>Annual</td> <td>^a 8 µg/m³</td> </tr> </tbody> </table> <p><i>Table 2: Short Term Criterion for Particulate Matter</i></p> <table border="1"> <thead> <tr> <th>Pollutant</th> <th>Averaging Period</th> <th>^d Criterion</th> </tr> </thead> <tbody> <tr> <td>Particulate matter < 10 µm (PM₁₀)</td> <td>24 hour</td> <td>^a 50 µg/m³</td> </tr> <tr> <td>Particulate matter < 2.5 µm (PM_{2.5})</td> <td>24 hour</td> <td>^a 25 µg/m³</td> </tr> </tbody> </table> <p><i>Table 3: Long Term Criteria for Deposited Dust</i></p> <table border="1"> <thead> <tr> <th>Pollutant</th> <th>Averaging Period</th> <th>Maximum Project Contribution</th> <th>Maximum Total Deposited Dust Level</th> </tr> </thead> <tbody> <tr> <td>^c Deposited dust</td> <td>Annual</td> <td>^b 2 g/m²/month</td> <td>^a 4 g/m²/month</td> </tr> </tbody> </table> <p><i>Notes to Tables 1-3:</i></p> <ul style="list-style-type: none"> ^a Total impact (i.e. incremental increase in concentrations due to the project plus background concentrations due to all other sources). ^b Incremental impact (i.e. incremental increase in concentrations due to the project on its own). ^c Deposited dust to be assessed as insoluble acids as defined by Standards Australia, AS/NZS 3500.10.1.2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulate Matter - Deposited Matter - Gravimetric Method. ^d Excludes extraordinary events such as bushfires, prescribed burning, dust storms, fire incidents, illegal activities or any other activity agreed by the Secretary in consultation with EPA. 	Pollutant	Averaging Period	^d Criterion	Total solid particles (TSP)	Annual	^a 90 µg/m ³	Particulate matter < 10 µm (PM ₁₀)	Annual	^a 25 µg/m ³	Particulate matter < 2.5 µm (PM _{2.5})	Annual	^a 8 µg/m ³	Pollutant	Averaging Period	^d Criterion	Particulate matter < 10 µm (PM ₁₀)	24 hour	^a 50 µg/m ³	Particulate matter < 2.5 µm (PM _{2.5})	24 hour	^a 25 µg/m ³	Pollutant	Averaging Period	Maximum Project Contribution	Maximum Total Deposited Dust Level	^c Deposited dust	Annual	^b 2 g/m ² /month	^a 4 g/m ² /month	<ul style="list-style-type: none"> Audit interview (Environmental Graduate) Air Quality Management Plan (BHO-PLN-ENV-001, Revision 7, issued 4 March 2022) Annual Review 2022 (Revised) – Section 5.3 Selected MonitorPro environmental monitoring records for HVAS units and DDGs “Air Quality Monitoring Validation Report” for May 2023 for the TEOM1 and TEOM2 units, issued on 28 June 2023 by service provider, Acoem (NATA Testing Accreditation No. 14184) ALS (Mayfield West laboratory) Certificate of Analysis issued on 17 April 2023 regarding Work Order EN2302960 (Amendment 1) for dust deposition samples received on 17 March 2023 at 11:30am Selected Monthly Environment Monitoring Report – April 2023 	<p>As of July 2023, for particulate matter emissions monitoring of the Rasp Project, BHOP utilises four High Volume Air Sampler (HVAS) units, two Tapered Element Oscillating Microbalance (TEOM) units, two Beta Attenuation Mass (BAM) monitors, and seven Dust Deposition Gauges (DDGs). A spare TEOM unit is stored on-site. It was stated that this spare TEOM unit is required to be calibrated when utilised.</p> <p>Section 6 of BHOP’s Air Quality Management Plan (AQMP) describes air quality management strategies for a range of potential “air emission” sources on site.</p> <p>The following recent example of an ‘employed’ (implemented) particulate matter emissions control is referred to in section 5.3 of the Annual Review 2022 (Revised): “A Sintrol real-time dust monitor was installed in the crusher baghouse emissions stack in April 2022 to provide early warning of potential damage to the baghouse dust bags.”</p> <p>The Auditors noted that the criteria specified in Tables 1, 2 and 3 of this condition are expressed to apply “at any residence on privately-owned land”. BHOP’s four HVAS units and the TEOM2 unit are located on-site. The TEOM1 unit is located off-site (i.e. in the Essential Water Compound at Lawton Street) but not on privately-owned land on which there is a residence. Of BHOP’s seven dust deposition gauges, only D1, D2, D4 and D6 are located off-site, but not on privately-owned land on which there is a residence.</p> <p>It was stated that during the audit period, BHOP did not record any particulate matter or deposited dust exceedances against the criteria defined in Tables 1, 2 and 3 of this condition at any residence on privately-owned land.</p>	Non-compliant	NC5
Pollutant	Averaging Period	^d Criterion																																
Total solid particles (TSP)	Annual	^a 90 µg/m ³																																
Particulate matter < 10 µm (PM ₁₀)	Annual	^a 25 µg/m ³																																
Particulate matter < 2.5 µm (PM _{2.5})	Annual	^a 8 µg/m ³																																
Pollutant	Averaging Period	^d Criterion																																
Particulate matter < 10 µm (PM ₁₀)	24 hour	^a 50 µg/m ³																																
Particulate matter < 2.5 µm (PM _{2.5})	24 hour	^a 25 µg/m ³																																
Pollutant	Averaging Period	Maximum Project Contribution	Maximum Total Deposited Dust Level																															
^c Deposited dust	Annual	^b 2 g/m ² /month	^a 4 g/m ² /month																															

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>As evidence that BHOP retains suitable monitoring records of particulate matter emissions, the Auditors sighted the following selected MonitorPro records:</p> <ul style="list-style-type: none"> • a screenshot of monitoring data for the four HVAS units which presents in graphical format the total lead (Pb – T $\mu\text{g}/\text{m}^3$ (24 hr) from January 2022 to June 2023; and • a screenshot of monitoring data for the seven DDGs which presents in graphical format the Total Insoluble Matter (TIM) trend lines from July 2021 to May 2023, against the $2\text{g}/\text{m}^2/\text{month}$ criterion in Table 3 of this condition. <p>The Auditors sighted an “Air Quality Monitoring Validation Report” for May 2023 for the TEOM1 and TEOM2 units, issued on 28 June 2023 by service provider, Acoem (NATA Testing Accreditation No. 14184). The Validation Report included 5 minute data, 15 minute data, 1 hour data, 24 hour data and a valid data exception table.</p> <p>As evidence regarding the quality of deposited dust sample analysis, the Auditors sighted an ALS (Mayfield West laboratory) Certificate of Analysis issued on 17 April 2023 regarding Work Order EN2302960 (Amendment 1) for dust deposition samples received on 17 March 2023 at 11:30am. ALS retains NATA Accreditation No. 525.</p> <p>The Auditors sighted Monthly Monitoring Reports (available on the CBH website) issued during the audit period up to April 2023. As an example of BHOP’s reporting of air quality monitoring results, the April 2023 Monthly Environment Monitoring Report stated:</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<ul style="list-style-type: none"> in section 1.1 in relation to HVA53 (EPL57) on the northern boundary of the site at Blackwoods Pit TSF2, "TSP levels at HVA53 were highest on 16 April with a result of 43.4 µg/m³, when winds were from the SW, suggesting Blackwoods TSF2 was the likely source of the dust. A TSF spray system is to be installed after MOD10 approved works preparing the TSF for dry stacking operations and will improve dust control on the TSF surface. The annual rolling average for TSP dust at this location is 46.88 µg/m³ at the end of April 2023, up from 32.51 µg/m³ in May 2022"; in section 1.2 in relation to TEOM1 (EPL13) and TEOM2 (EPLL14), "The PM10 24-hour rolling annual average for both TEOM sites remain below the annual average criteria of 25 µg/m³"; in section 1.3 in relation to the off-site DDGs, "All off-site Dust Deposition Gauges were compliant in the reporting period." <p>Observation No. 12 – BHOP could add the October 2022 Monthly Environment Monitoring Report to the CBH website. As of July 2023, this Report is missing from the website.</p> <p>Despite the above monitoring results, on five occasions BHOP did not comply with the required 24-hour averaging period in Table 2 for particulate matter analysis, and on one occasion BHOP did not comply with the monthly monitoring requirement in Table 3 for deposited dust analysis, as listed below:</p> <ul style="list-style-type: none"> TEOM1 non-operational from approximately 8:20pm to 7:00am on 14-15 March 2022 due to a severe weather event which tripped the safety switch circuit breaker (INX No. 7698); 		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<ul style="list-style-type: none"> • Damage to lid on DDG7 jar during transit to ALS laboratory in respect of sample collected on 4 April 2022, which prevented analysis of that deposited dust sample (INX No. 7783); • TEOM1 non-operational for much of the period from 8:00am to 4:30pm on 31 May 2022 due to a planned power outage in Broken Hill of which BHOP was not informed (INX No. 7872); • TEOM2 non-operational from approximately 12:20am to 7:00am on 1 October 2022 due to an unidentified person who disconnected power to the unit and stole the data logger and 4G modem (INX No. 8275); • HVAS and HVAS1 failed to capture data from approximately 1:30pm to 4:30pm on 12 October 2022 following power spikes which caused a loss of power to the units (INX No. 8316); and • TEOM2 non-operational from approximately 8:00pm to 8:00am on 14-15 March 2023 due to a fault in the power supply board at the rail loadout (INX No. 8776). <p>Non-compliance No. 5</p> <p>During the audit period, on five occasions BHOP was unable to comply with the 24-hour averaging period in Table 2 for particulate matter analysis (INX Nos. 7698, 7872, 8275, 8316 and 8776) and on one occasion BHOP was unable to comply with the monthly monitoring requirement in Table 3 for deposited dust analysis (INX No. 7783).</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions																													
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance																								
			<p>Recommendation No. 5</p> <p>BHOP should ensure that all reasonable and feasible corrective and preventative actions in response to the non-compliance events in INX Nos. 7698, 7783, 7872, 8275, 8316 and 8776 are tracked and closed out in INX InControl.</p>																										
Condition 4	<p>Air Quality and Greenhouse Gas – Air Quality Criteria</p> <p>The Proponent shall ensure that the project is operated in a manner that does not exceed the criteria listed in Tables 4 and 5.</p> <p><small>Table 4: Discharge Criteria for Point 1 – Ventilation Shaft</small></p> <table border="1"> <thead> <tr> <th>Pollutant</th> <th>Units of Measure</th> <th>Concentration Limit</th> </tr> </thead> <tbody> <tr> <td>Oxides of nitrogen (as NO₂)</td> <td>Milligrams per cubic metre</td> <td>350</td> </tr> <tr> <td>Total solid particles (TSP)</td> <td>Milligrams per cubic metre</td> <td>20</td> </tr> <tr> <td>^a Type 1 and Type 2 substances</td> <td>Milligrams per cubic metre</td> <td>1</td> </tr> <tr> <td>Volatile organic compounds (as n-propane)</td> <td>Milligrams per cubic metre</td> <td>40</td> </tr> </tbody> </table> <p><small>Table 5: Discharge Criteria for Point 2 – Process Enclosure/Baghouse Stack</small></p> <table border="1"> <thead> <tr> <th>Pollutant</th> <th>Units of Measure</th> <th>Concentration Limit</th> </tr> </thead> <tbody> <tr> <td>Total solid particles (TSP)</td> <td>Milligrams per cubic metre</td> <td>20</td> </tr> <tr> <td>^a Type 1 and Type 2 substances</td> <td>Milligrams per cubic metre</td> <td>1</td> </tr> </tbody> </table> <p><small>Notes to Tables 4–5:</small></p> <ul style="list-style-type: none"> ^a Total of Sb, As, Cd, Pb, Hg, Be, Cr, Co, Mn, Ni, Se, Sn and V; and reference conditions for the limits in Tables 4 and 5 are: dry, 273K and 101.3 kPa. 	Pollutant	Units of Measure	Concentration Limit	Oxides of nitrogen (as NO ₂)	Milligrams per cubic metre	350	Total solid particles (TSP)	Milligrams per cubic metre	20	^a Type 1 and Type 2 substances	Milligrams per cubic metre	1	Volatile organic compounds (as n-propane)	Milligrams per cubic metre	40	Pollutant	Units of Measure	Concentration Limit	Total solid particles (TSP)	Milligrams per cubic metre	20	^a Type 1 and Type 2 substances	Milligrams per cubic metre	1	<ul style="list-style-type: none"> Audit interview (Environmental Graduate) Assured Environmental “Source Emissions Monitoring” reports and “PS2 Testing report 	<p>During the audit period, point source air emissions testing was conducted at quarterly intervals at the two required locations (i.e. the Ventilation Shaft – RP1, and the Process Enclosure/Baghouse Stack – RP2) specified in Tables 4 and 5 of this condition.</p> <p>External air quality monitoring service provider, Assured Environmental (NATA Accreditation No. 19703), conducts on-site monitoring of pollutants (i.e. NO₂, TSP, Type 1 and Type 2 substances, and VOCs) listed in Table 4 of this condition.</p> <p>Assured Environmental utilises a NATA accredited laboratory (Envirolab Services, NATA Accreditation No. 2901) for the off-site testing of relevant pollutants (i.e. TSP, and Type 1 and 2 Hazardous Substances) listed in Table 5 of this condition.</p> <p>The key sources of actual and potential point source air emissions from the Rasp Mine site include:</p> <ul style="list-style-type: none"> crusher baghouse in the mill; transfer points on conveyor systems within the mill; concentrate loading shed; main vent shaft (air emissions from underground ventilation); and since early 2023, tailings harvesting on TSF2. 	Compliant	
Pollutant	Units of Measure	Concentration Limit																											
Oxides of nitrogen (as NO ₂)	Milligrams per cubic metre	350																											
Total solid particles (TSP)	Milligrams per cubic metre	20																											
^a Type 1 and Type 2 substances	Milligrams per cubic metre	1																											
Volatile organic compounds (as n-propane)	Milligrams per cubic metre	40																											
Pollutant	Units of Measure	Concentration Limit																											
Total solid particles (TSP)	Milligrams per cubic metre	20																											
^a Type 1 and Type 2 substances	Milligrams per cubic metre	1																											

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>The Auditors sighted Assured Environmental (AE) “Source Emission Monitoring” reports dated 23 June 2022 (Release: R_1), 7 October 2022 (Release: R_0), 22 December 2022 (Release: R_0) and 30 March 2023 (Release: R_0); and a “PS2 Testing” report dated 22 December 2022 (Release: R_0).</p> <p>Each of the above AE reports identified no exceedances of the ‘release’ (i.e. concentration) limits in Condition L2.2 of EPL 12559, which are the same as the concentration limits in this condition of consent.</p>		
Condition 5	<p>Air Quality and Greenhouse Gas – Operating Conditions</p> <p>The Proponent shall:</p> <p>(a) implement best practice dust management, including all reasonable and feasible measures to minimise dust emissions, including point source and fugitive emissions;</p> <p>(b) minimise any visible off-site dust generated by the project or the site; and</p> <p>(c) regularly assess real-time air quality monitoring and meteorological forecasting data and relocate, modify and/ or suspend operations to ensure compliance with the relevant conditions of this approval, to the satisfaction of the Secretary.</p>	<ul style="list-style-type: none"> Audit interview (Environmental Graduate) Site inspection – Photos 15 to 18 (see Appendix F), and ‘Kite’ Dust risk report screenshots supplied by BHOP – Photo 19 (see Appendix F) Air Quality Management Plan (BHO-PLN-ENV-001, Revision 7, issued 4 March 2022) 	<p>In relation to paragraphs (a) and (b) of this condition, dust management at the Rasp Mine is implemented in accordance with measures and controls defined in BHOP’s Air Quality Management Plan (AQMP).</p> <p>Table 5 in the AQMP is an Air Quality Aspects Register, with Particulate Emission Risk Rankings and Management Strategies/Control Actions. Examples of practices implemented by BHOP to comply with paragraphs (a) and (b) of this condition and which are referred to in Table 5 include:</p> <ul style="list-style-type: none"> application of chemical dust suppressant on ‘Free Areas’ (see Photo 15); a street sweeper is used to keep roads clean and limit silt loadings (see Photo 16); concentrate is loaded into sealed containers within an enclosed structure; and crushing is carried out in a permanent full enclosure under negative pressure vented to a Baghouse. 	Compliant	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>Observation No. 13 – BHOP should update Table 5 in the Air Quality Management Plan (e.g. Crusher Circuit, to include the Sintrol monitor as a current control) to ensure the table includes all relevant current controls for each aspect.</p> <p>Section 11 of the AQMP defines Trigger Action Response Plans (TARPs) for various aspects inclusive of “Wind Speed”, “Monitor Failure”, “Weather Forecasting”, “Fugitive Dust”, and “Measured Dust (determined to be from TSF)”. These aspects are the same as in the previous 25 June 2019 version of the AQMP.</p> <p>Observation No. 14 – BHOP could review Section 11 of the Air Quality Management Plan to include more specific/additional aspects (e.g. Sintrol monitor failure on the Baghouse Stack) and ensure the described triggers are consistent with BHOP’s recently issued Trigger Action Response Plans (e.g. the Extreme Weather TARP, issued 28 June 2023).</p> <p>In site inspections during this July 2023 audit, the Auditors observed water trucks in use for dust emissions control around the site including on the haul road and TSF2 (see Photo 17).</p> <p>In relation to paragraph (c) of this condition, the TEOMs and BAMs (see Photo 18) are programmed to send email and SMS alerts to relevant BHOP personnel.</p> <p>BHOP utilises DustX (sourced from Kite Weather Intelligence) as a predictive dust management measure.</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions																																	
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance																												
			<p>BHOP receives Dust risk reports, sent daily via email to BHOP personnel, and which identify levels of dust risk (Negligible, Moderate, High, Extreme) according to predicted wind speed for the next 24 hours from 6:00am, and applicable response categories (category 1: Immediate Action, category 2: Watch and Act, category 3: Advice).</p> <p>The Auditors sighted 'Kite' Dust risk report screenshots for selected dates of 21 June 2023 and 30 June 2023 (see Photo 19).</p> <p>It was stated that during the audit period, BHOP has not been required to modified and/or suspend operations due to dust event alerts.</p>																														
Condition 6	<p>Air Quality and Greenhouse Gas – Operating Conditions</p> <p>The Proponent shall seal and maintain the roads listed in Table 6 to the satisfaction of the Secretary. The roads shall be sealed prior to the commencement of ore extraction, unless otherwise agreed by the Secretary.</p> <p><small>Table 6: Roads to be Sealed and Maintained</small></p> <table border="1"> <thead> <tr> <th>Road Status</th> <th>Road</th> <th>Approximate Length (m)</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Existing</td> <td>Front gate to truck wash</td> <td>292</td> </tr> <tr> <td>'Diamond' intersection to core shed</td> <td>360</td> </tr> <tr> <td>Front gate road to car park</td> <td>132</td> </tr> <tr> <td rowspan="5">New</td> <td>Truck wash to haul road connection from Kintore Pit</td> <td>690</td> </tr> <tr> <td>Kintore Pit intersection (truck wash and haul roads) to ROM pad (haul road for ore mine trucks)</td> <td>1,186</td> </tr> <tr> <td>Altered ROM pad to and through mill</td> <td>384</td> </tr> <tr> <td>Mill to rail load out (concentrate trucks)</td> <td>910</td> </tr> <tr> <td>Truck wash road to workshop</td> <td>190</td> </tr> <tr> <td rowspan="3">Modification 6</td> <td>Haul road to backfill plant</td> <td>400</td> </tr> <tr> <td>Haul road for transportation of harvested tailings from TSF2 to TSF3</td> <td>2,203</td> </tr> <tr> <td>One haul road from the new portal (Modification 6) to the Pan of Mine Pad</td> <td>325</td> </tr> </tbody> </table>	Road Status	Road	Approximate Length (m)	Existing	Front gate to truck wash	292	'Diamond' intersection to core shed	360	Front gate road to car park	132	New	Truck wash to haul road connection from Kintore Pit	690	Kintore Pit intersection (truck wash and haul roads) to ROM pad (haul road for ore mine trucks)	1,186	Altered ROM pad to and through mill	384	Mill to rail load out (concentrate trucks)	910	Truck wash road to workshop	190	Modification 6	Haul road to backfill plant	400	Haul road for transportation of harvested tailings from TSF2 to TSF3	2,203	One haul road from the new portal (Modification 6) to the Pan of Mine Pad	325	<ul style="list-style-type: none"> Audit interview (Environmental Graduate) Site inspection – Photos 20 and 21 (see Appendix F) 	<p>As of July 2023, the roads described in Table 6 for Modification 6 have not yet been constructed.</p> <p>All of the other roads described in Table 6 of this condition were sealed prior to the commencement of ore extraction in 2012. Other than repairs as required, no resealing of roads occurred during the audit period.</p> <p>In site inspections during this July 2023 audit, the Auditors observed that the general condition of some sections of sealed roads is adequate. However, the sealed road from the mill to the rail load out area showed: a) a thick layer of dirt on parts of the road surface (see Photo 20); and b) heavy vehicle tyre tracks off the narrow sealed surface, on corners (see Photo 21).</p> <p>Observation No. 15 – BHOP should prioritise the repair, resealing and possible widening (as required) of the sealed roads identified in Table 6 of this condition, potentially in conjunction with Mod 6 works, to minimise potential dust emissions from these roads arising from vehicle movements and/or high winds.</p>	Compliant	
Road Status	Road	Approximate Length (m)																															
Existing	Front gate to truck wash	292																															
	'Diamond' intersection to core shed	360																															
	Front gate road to car park	132																															
New	Truck wash to haul road connection from Kintore Pit	690																															
	Kintore Pit intersection (truck wash and haul roads) to ROM pad (haul road for ore mine trucks)	1,186																															
	Altered ROM pad to and through mill	384																															
	Mill to rail load out (concentrate trucks)	910																															
	Truck wash road to workshop	190																															
Modification 6	Haul road to backfill plant	400																															
	Haul road for transportation of harvested tailings from TSF2 to TSF3	2,203																															
	One haul road from the new portal (Modification 6) to the Pan of Mine Pad	325																															

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			Observation No. 16 – BHOP could implement a scheduled roads maintenance program to remove dirt and debris from sealed road surfaces.		
Condition 7	<p>Air Quality and Greenhouse Gas – Operating Conditions</p> <p>Ore crushing shall only be undertaken in a fully-enclosed structure that is designed, operated and maintained to ensure internal negative internal air pressure relative to ambient (external) conditions. The enclosure and associated emissions controls must be designed, constructed, operated and maintained to ensure that visible fugitive emissions from the enclosure are minimised.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Site inspection – Photo 22 (see Appendix F) 	<p>Ore crushing at the Rasp Mine occurs within a fully-enclosed structure which is designed, operated and maintained to ensure internal negative air pressure is maintained.</p> <p>It was stated that daily inspections are conducted by operators at the mill to ensure that negative air pressure is maintained within this facility. It was stated that these inspections are visual inspections only, and lids to filter bags can be opened for inspection purposes as required.</p> <p>Quarterly point source air emissions testing is conducted by service provider, Assured Environmental, at a dedicated sampling port on the emission point of the Crusher Baghouse.</p> <p>This testing regime aims to ensure that visible fugitive dust emissions from the enclosure are minimised relative to ambient (external) conditions and remain within limits defined within Table 5 in Project Approval Schedule 3, Condition 4.</p> <p>It was stated that a 'Sintrol' real-time particulates monitor was installed in the Crusher Baghouse emissions stack in April 2022, and was operational during the audit period.</p> <p>In site inspections during this July 2023 audit, the Auditors observed that the personnel access door to the Crusher enclosure was not fully closed within its frame, which may be evidence of a distorted frame (see Photo 22).</p> <p>Observation No. 17 – BHOP could periodically test the Crusher enclosure door to ensure the door provides a complete seal when closed.</p>	Compliant	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
Condition 8	<p>Air Quality and Greenhouse Gas – Operating Conditions</p> <p>A chemical dust suppressant shall be applied as per the manufacturer's specification, or more often as required, to all 'free areas' identified in the figure in Appendix 4.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) 'Total Ground Control Plus' (supplier, RST), Tax Invoice No. 00011631 of 22 November 2022 for PO number 98097, for 10 x 1,000 L IBCs of product 'Dustreat liquid' (supplier, Dustbinder), Tax Invoice number DUST-2307 of 30 January 2023 for PO number 99165, for 16 x 1,000 L IBCs of product 	<p>It was stated that the most recent application of dust suppressant occurred in February/March 2023, and was applied by the Processing Department personnel using a BHOP-owned water truck.</p> <p>In site inspections during this July 2023 audit, the Auditors observed extensive use of dust suppressant. It was stated that dust suppressant is applied as required.</p> <p>As of July 2023, BHOP uses 'Total Ground Control' dust suppressant in the 'free areas' (i.e. 'free surfaces') identified in the figure in Appendix 4 of the Project Approval. It was stated that 'Dustbinder' dust suppressant is used on unsealed roads.</p>	Compliant	
Condition 9	<p>Air Quality and Greenhouse Gas – Operating Conditions</p> <p>All aboveground conveyors and transfer points prior to the grinding circuit (SAG and ball mills) shall be enclosed.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Site inspection – Photo 23 (see Appendix F) Air Quality Management Plan (BHO-PLN-ENV-001, Revision 7, issued 4 March 2022) 	<p>Since July 2020, BHOP has operated the mill on an "8 days on / 6 days off" schedule. During site inspections, the mill was operational on 5th July 2023 and was not operational on 3rd July 2023.</p> <p>All above ground conveyors and transfer points located prior to the grinding circuit (i.e. SAG and ball mills) were observed to be enclosed (see Photo 23).</p> <p>During the site inspection on 5th July 2023 (when the mill was operational), there was no evidence of any visible fugitive dust emissions emanating from BHOP's above ground conveyors and transfer points within the mill/processing plant area.</p>	Compliant	
Condition 10	<p>Air Quality and Greenhouse Gas – Operating Conditions</p> <p>Video recording equipment shall be installed to assist in the active management of emissions from the tailings storage facility.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Site inspection – Photo 24 (see Appendix F) 	<p>BHOP has never used TSF1 for tailings deposition. As noted in the March 2022 audit report, section 1.6 (page 12) of the Golder Associates report: "Rasp Mine – Tailings and Waste Rock Management for MOD 6" for BHOP's Mod 6 application (Appendix B1 – Tailings and Storage Management) stated:</p>	Compliant	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
		<ul style="list-style-type: none"> Golder Associates report: "Rasp Mine – Tailings and Waste Rock Management for MOD 6" (dated June 2021, report no. 1896230-R-054-Rev1) for BHOP's Mod 6 application (Appendix B1 – Tailings and Storage Management) 	<p>"In the original Environmental Assessment (EA) for the Project it was planned for tailing to be placed in both above ground tailing storage facilities and underground, via the Backfill Plant, to fill mining voids. The tailing waste stream from ore processing has been approved to be deposited in the historic tailing facility (TSF1) and in the disused Blackwood Pit (TSF2). BHOP chose to deposit tailing in TSF2 and not use TSF1. This decision was based on the greater capacity of TSF2 (3.1 Mt) compared to the capacity of TSF1 (970,000 t) and the significant construction costs associated with the use of TSF1 (\$7.2 M) compared to the cost of extending TSF2 (\$3.5 M)."</p> <p>During this July 2023 audit, the Auditors observed two cameras in operation at TSF2 (see Photo 24), via real-time images displayed on a computer monitor in BHOP's Emergency Services Office.</p> <p>It was stated that these monitors were moved from the Environment Office to the Emergency Services Office in March 2022, in the week after completion of the March 2022 audit. It was stated that these cameras were installed in 2019 (after the February 2019 audit), and record images for up to 48 hours.</p>		
Condition 11	<p>Air Quality and Greenhouse Gas – Air Quality Management Plan</p> <p>The Proponent must prepare an Air Quality Management Plan for the project to the satisfaction of the Secretary. This plan must:</p> <p>(a) be prepared by a suitably qualified and experienced person/s, in consultation with EPA and submitted to the Secretary for approval prior to the commencement of construction on the site;</p> <p>(b) identify all major sources of particulates and other air pollutants that may be emitted from</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Letter dated 5 August 2022 (ref: MP07_0018-PA-23) from the nominee of the Planning Secretary, with approval of the Air Quality Management Plan under this condition of consent 	<p>As of July 2023, BHOP's current Air Quality Management Plan (AQMP) (BHO-PLN-ENV-001) is Revision No. 7, issued 4 March 2022.</p> <p>Appendix E of the AQMP comprises an Air Quality Monitoring Program, dated March 2022.</p>	Compliant	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
	<p>the project, being both point source and diffuse emissions, including identification of the potential for lead contamination to be carried by these particulates;</p> <p>(c) include an air quality monitoring program that:</p> <ul style="list-style-type: none"> provides a real-time monitoring system of dust emissions around the perimeter of TSF2 that triggers an automated water spray system prior to adverse meteorological conditions occurring; is capable of measuring lead concentrations located in the prevailing down wind direction near the perimeter of TSF2; provides for periodic point source monitoring at Point 1 (Ventilation Shaft) and Point 2 (Process Enclosure/ Baghouse Stack); provides for continuous ambient monitoring across an ambient air quality and dust monitoring network comprising no fewer than ten monitoring locations (Points 3 to 12) for total suspended particulates, PM₁₀, lead and dust deposition. Monitoring locations shall be informed by the outcomes of the air quality assessments presented in the EA and PPR and identified in consultation with EPA; provides for continuous meteorological monitoring using a meteorological monitoring station located on the site; is consistent with the requirements of <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales (NSW EPA, 2022)</i>, or the latest version, the <i>Protection of the Environment Operations Act 1997</i> and the <i>Protection of the Environment (Clean Air) Regulation 2010</i>; and 	<ul style="list-style-type: none"> Air Quality Management Plan (BHO-PLN-ENV-001, Revision 7, issued 4 March 2022) 	<p>In relation to the paragraphs of this condition:</p> <p>(a) Appendix D of the AQMP reproduces email correspondence with the EPA from 3 March 2016 to 1 June 2022. The current version of the AQMP was approved by the Secretary by letter dated 5 August 2022.</p> <p>(b) Section 4.1 of the AQMP identifies pollutants that may be emitted from the project, being both point source and diffuse emissions, including identification of the potential for lead contamination to be carried by these particulates.</p> <p>(c) The Air Quality Monitoring Program (in Appendix E of the AQMP) references a number of Procedures for Air Quality Monitoring (section 8) and generally satisfies the dot points in paragraph (c). In relation to the last dot point in paragraph (c), section 11 of the AQMP describes Trigger Action Response Plans with mitigation measures.</p> <p>Observation No. 18 – In the next revision of the Air Quality Management Plan, BHOP could update Section 8 in Appendix E to include the names of Trigger Action Response Plans relevant to the last dot point in paragraph (c) of this condition.</p> <p>(d) Table 5 (Air Quality Aspects Risk Register) in Section 4.2 of the AQMP describes the current proactive and reactive controls for 14 aspects of operations including: existing free areas, project related free areas, unsealed roads, sealed roads, and TSF wind erosion.</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
	<ul style="list-style-type: none"> details trigger response management protocols in combination with continuous particulate matter monitors and a meteorological monitoring station on-site, with clear and specific reactive mitigation measures to be implemented in accordance with the trigger response management protocol; and; <p>(d) pro-active and reactive management and response mechanisms for particulates with specific reference to measures to be implemented and actions to be taken to minimise and prevent potential elevated air quality impacts (including ambient air and deposited dust impacts) on surrounding land uses as a consequence of meteorological conditions, upsets within the project, or the mode of operation of the project at any time;</p> <p>(e) procedures to review and refine the reactive management triggers for wind speed and dust concentrations;</p> <p>(f) procedures and processes for monitoring ambient dust and deposited dust impacts;</p> <p>(g) provision for regular review of dust monitoring data, with comparison of monitoring data with that assumed and predicted in the documents referred to under Condition 2 of Schedule 2;</p> <p>(h) details of measures to be implemented to address any situation in which monitored dust impacts exceed those assumed and predicted in the documents referred to under Condition 2 of Schedule 2;</p> <p>(i) specific complaints management procedures in the event that dust monitoring indicates elevated off-site impacts;</p> <p>(j) procedures for the minimisation of dust generation on the site and measures to be implemented to ensure compliance with the air quality criteria and operating conditions in this approval;</p>		<p>Table B1 (Air Quality Controls within Rasp Mine Procedures) in Appendix B of the AQMP includes pro-active and reactive controls to manage air quality impacts from 15 aspects including: existing free areas, unsealed roads, sealed roads, ROM stockpile wind erosion, TSF wind erosion, concentrate handling, and 'vehicle wash facilities' (this last aspect is not listed in Table 5 of the AQMP).</p> <p>Section 6 of the AQMP lists management strategies for 15 potential air emission sources, including greenhouse gas management (section 6.15).</p> <p>Observation No. 19 – In the next revision of the Air Quality Management Plan, BHOP could compare Table 5 and Table B1, and remove any inconsistencies between the respective 'aspect' descriptions and relevant controls.</p> <p>Observation No. 20 – In the next revision of the Air Quality Management Plan, BHOP should revise Table 5 to identify whether the current controls reduce residual risk to 'As Low As Reasonably Practicable' (ALARP).</p> <p>(e) Sections 6.16 and 10.1 of the AQMP describe procedures to review and refine the reactive management triggers for wind speed and dust concentrations.</p> <p>(f) Section 10 of the AQMP and Appendix E (Air Quality Monitoring Program) of the Air Quality Monitoring Program include procedures and processes for monitoring ambient dust and deposited dust impacts.</p> <p>(g) Appendix B (Baseline Air Quality Monitoring Data) within the Air Quality Monitoring Program in Appendix E of the AQMP includes a review of baseline air quality monitoring data and predicted impacts.</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
	<p>(k) protocols for regular maintenance of plant and equipment to minimise the potential for elevated dust generation, leaks and fugitive emissions; and</p> <p>(l) a contingency plan should an incident, upset or other initiating factor lead to elevated dust impacts, whether above normal operating conditions or above environmental performance goals/ limits.</p>		<p>(h) Section 11 (Trigger Action Response Plans) of the AQMP includes details of measures to be implemented to address any situation in which monitored dust impacts exceed those assumed and predicted.</p> <p>(i) Section 8 of the AQMP describes complaints management procedures (in relation to documentation and recording of information).</p> <p>(j) Sections 10 of the AQMP describes procedures for the minimisation of dust generation on the site and Sections 6 and 11 describe measures to be implemented to ensure compliance with the air quality criteria and operating conditions in this approval.</p> <p>(k) Appendix B of the AQMP includes air quality controls within Rasp Mine Procedures, including requirements to regularly maintain plant and equipment (referred to in Section 6 of the AQMP).</p> <p>(l) Section 10.2 of the AQMP describes contingency measures (i.e. contingency plan) for 'Free Areas' and 'Active Mining Areas' should an incident, upset or other initiating factor lead to elevated dust impacts, whether above normal operating conditions or above environmental performance goals/ limits.</p>		
Condition 11A	<p>Air Quality and Greenhouse Gas – Air Quality Management Plan</p> <p>The Proponent must implement the Air Quality Management Plan as approved by the Secretary.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Annual Review 2022 (Revised) 	<p>During this July 2023 audit, there was evidence that BHOP is implementing the AQMP, subject to some isolated examples identified in the non-compliance below. Refer to the 'Independent Audit Findings and Recommendation' for Project Approval Schedule 3, Condition 5, for examples of implementation of the AQMP.</p>	Non-compliant	NC6

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>Non-compliance No. 6</p> <p>As of July 2023, BHOP has not implemented some aspects of the Air Quality Management Plan (AQMP), including:</p> <ul style="list-style-type: none"> the water spray system on TSF2 was not installed and tested by the scheduled date of 31 March 2021 referred to in section 10.5.1 of the AQMP; and there is no functional water spray system on the ROM Pad – Table B1 in the AQMP includes the following control action for 'ROM Stockpile Wind Erosion': "Water sprays will be mounted on the ROM stockpile wind breaks and directed at stockpiles and haul truck dumping areas." <p>Recommendation No. 6</p> <p>BHOP should review the Air Quality Management Plan to verify that all management measures described in the AQMP have been implemented or assessed as feasible to implement within any specified timeframes.</p>		
Condition 12	<p>Lead Awareness and Public Health – Contribution to Public Blood lead Monitoring & Public Education</p> <p>During the implementation of the project, the Proponent shall make a reasonable contribution towards the cost of:</p> <p>(a) public health monitoring, particularly in relation to child blood lead levels; and</p> <p>(b) public education campaigns about the health risks associated with lead, to the satisfaction of the Secretary.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Community Lead Management Plan (BHO-PLN-ENV-015, Revision 1, issued 28 April 2023) BHOP "Purchase Order Lines – Purchase Order" record with a Note Description: "FWLHD Funding Program 2022 Inv 230009652 30/9/22" 	<p>It was stated that during the audit period, BHOP has not received any correspondence from the Secretary regarding what constitutes a "reasonable contribution" under this condition.</p> <p>Appendix C of BHOP's current Community Lead Management Plan (CLMP) (BHO-PLN-ENV-015, Revision 1, issued 28 April 2023), provides "Information for Financial Contribution" under this condition. Appendix C of the CLMP states:</p>	Compliant	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
	<i>Note: The Secretary will consult with the Director-General of the NSW Department of Health on the reasonableness of the proposed contribution prior to making any decisions under this condition, and determine the date upon which the contributions shall commence.</i>		<p>“In consultation with the Broken Hill Lead Reference Group, BHOP developed the Community Lead Management Plan which outlines the arrangements for the contribution and states that the ‘reasonable contribution’ will be up to \$50,000. Section 8 also states that the funds shall be made to the Broken Hill Child & Family Health Centre (BHCFC) annually for the purposes as outlined above. To obtain funding the BHCFC is requested to submit a proposal outlining [note: the word “outgoing” should be “outlining”] the items for expenditure consistent with the requirements of the Project Approval. This proposal is required to be submitted by August each year to enable BHOP to make budgetary provisions for the following year (BHOP operates on a calendar year) and review the proposal to check it is in line with the Project Approval.”</p> <p>As stated in section 8 of the CLMP: “BHOP funding will be up to \$50,000 in any calendar year.” It was stated that this annual amount does not accrue if the \$50,000 is not used in that year.</p> <p>In Q3 2022, BHOP paid \$40,300.00 to the Far West Local Health District. The Auditors sighted a BHOP “Purchase Order Lines – Purchase Order” record with a Note Description: “FWLHD Funding Program 2022 Inv 230009652 30/9/22”.</p> <p>The Auditors note that the wording of this condition could be revised to be consistent with the wording in paragraph (c) of Project Approval Schedule 3, Condition 13.</p>		
Condition 13	<p>Lead Awareness and Public Health – Lead Management Plan</p> <p>The Proponent shall prepare and implement a Lead Management Plan for the project to the satisfaction of the Secretary. This plan must:</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) 	As of July 2023, the current version of BHOP’s Community Lead Management Plan (CLMP) (BHO-PLN-ENV-015) is Revision 1, issued 28 April 2023.	Compliant	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
	<p>(a) be prepared in consultation with the Lead Reference Group, including the NSW Department of Health (Western NSW Local Health District) and Council;</p> <p>(b) be submitted to the Secretary for approval by 30 June 2011;</p> <p>(c) outline the proposed commitment towards the cost of:</p> <ul style="list-style-type: none"> • public health monitoring, particularly in relation to child blood lead levels, and tracking of this data over time; and • public education campaigns about the health risks associated with lead, including lead hygiene, lead and children, tank water lead risks and soil lead contamination risks. <p>(d) identify additional reasonable and feasible measures that could be implemented either on site or in the areas adjoining the site to minimise the potential lead impacts of the project and “free areas”;</p> <p>(e) include a program for the staged implementation of the measures identified in (d) above in the event that dust emissions are higher than predicted or the public health monitoring suggests further action is required to reduce blood lead levels in the environment surrounding the site; and</p> <p>(f) include a detailed communication strategy, that outlines how the relevant dust and blood level monitoring data would be reported on the Proponent’s website along with any relevant public education material.</p>	<ul style="list-style-type: none"> • Community Lead Management Plan (BHO-PLN-ENV-015, Revision 1, issued 28 April 2023) 	<p>The Auditors consider that the CLMP is the relevant Lead Management Plan for assessment of BHOP’s compliance against this condition.</p> <p>In relation to the paragraphs of this condition:</p> <p>(a) Appendix D of the CLMP refers to “Lead Reference Group Consultation Response to Comments”. However, Appendix D is omitted from the version of the CLMP which is on the CBH website as of July 2023. The Auditors noted that the required evidence of consultation was reproduced in Appendix D of the previous version of the CLMP (Final v2, issued August 2016).</p> <p>Section 1.5 in the current version of the CLMP states (in part): “As per the Project Approval the CLMP must be written in consultation with the Broken Hill Lead Reference Group, including the EPA, NSW Health (Western NSW Local Health District) and Council. Evidence of correspondence with the BHLRG is provided in Appendix D. Applicable matters raised have been edited in this version of the management plan.”</p> <p>Observation No. 21 – BHOP should reproduce consultation correspondence with the Lead Reference Group, including the NSW Department of Health (Western NSW Local Health District) and Broken Hill City Council, in Appendix D of the Community Lead Management Plan as published on the CBH website.</p> <p>(b) The Auditors consider that the requirement for submission of the CLMP to the Secretary for approval by the end of June 2011 does not apply to subsequent revisions of the CLMP.</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>(c) Section 8 and Appendix C of the CLMP outline BHOP's proposed commitment towards the cost of public health monitoring and public education campaigns about the health risks of lead.</p> <p>(d) Sections 7.1 and 7.2 of the CLMP identify additional 'contingency' measures (e.g. provide capping over sections of the 'free areas' with inert waste rock) that could be implemented where air quality trends indicate an increase in lead emissions which can be attributed to the Rasp Mine.</p> <p>(e) Section 7.3 of the CLMP includes a four step program for the staged implementation of contingency measures in paragraph (d) (i.e. step 1 is triggers for an investigation, step 2 is the undertaking of the investigation, step 3 is to review relevant site operation(s) and implement applicable contingency measures, and step 4 is to review future data to monitor impact and [note: missing word, assumed to be "determine"] if further actions are required.</p> <p>(f) Section 9.2 of the CLMP states that BHOP communicates:</p> <ul style="list-style-type: none"> air quality monitoring data on the CBH website (updated monthly); and blood lead level monitoring data for Broken Hill via a link on the CBH website to the Far West Local Health District information website (LeadSmart). 		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>During this July 2023 audit, there was evidence that BHOP was implementing the CLMP, inclusive of BHOP being represented at and providing activity reports to meetings of the Broken Hill Lead Reference Group (BHLRG). The Auditors sighted copies of Minutes of BHLRG meetings held on 24 November 2022, 2 March 2023 and 25 May 2023, and BHOP Quarterly Activities Reports which were tabled at these and other meetings (for February 2022 – May 2022, June 2022 – August 2022, Sept 2022 – Nov 2022, Nov 2022 – Feb 2023, and Feb – May 2023).</p> <p>The Minutes of the BHLRG meeting of 25 May 2023 included information/statistics presented by the Western NSW Local Health District representative regarding blood lead levels in newborn babies, 6-12 month old children and 1-5 year old children.</p> <p>In relation to public health monitoring as referred in to paragraph (e) of this condition, it was stated that it is difficult for BHOP to obtain representative public monitoring data. At present, potentially representative public monitoring data is limited to blood lead level test results in children up to 5 years of age.</p> <p>It was stated that BHOP's current database which includes blood lead level test results for employees and contractors of BHOP. However, these adults only represent a very small proportion of the adult population in Broken Hill (i.e. not a representative sample).</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
Condition 14	<p>Lead Awareness and Public Health – Updated Human Health Risk Assessment</p> <p>Within one year of the commencement of operation of the project, and every five years thereafter, unless otherwise agreed by the Secretary, the Proponent shall update the human health risk assessment prepared for the project and presented in the EA to the satisfaction of the Secretary. The updated risk assessment shall:</p> <p>(a) be prepared by a suitably-qualified expert whose appointment has been endorsed by the Secretary;</p> <p>(b) take into account monitoring data collected under this approval, and such other information as may be relevant to the assessment; and</p> <p>(c) be prepared in consultation with the EPA and the NSW Health (Western NSW Local Health District).</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Community Lead Management Plan (BHO-PLN-ENV-015, Revision 1, issued 28 April 2023) Human Health Risk Assessment for Rasp Mine, Modification 6 (SLR doc ref: 640.12028-R01-v3.0, dated 14 December 2020) 	<p><u>2020 Human Health Risk Assessment (HHRA)</u></p> <p>A Human Health Risk Assessment (HHRA) report was prepared by Tarah Hagen (MSc, DABT, RACTRA) of SLR Consulting Australia, to support BHOP's Mod 6 application. The HHRA report is titled: "Human Health Risk Assessment for Rasp Mine, Modification 6" (SLR doc ref: 640.12028-R01-v3.0, dated 14 December 2020).</p> <p>The Overall Conclusions (section 5) of the December 2020 HHRA report were:</p> <ul style="list-style-type: none"> for Lead (Pb): "Overall, BPb [blood lead] concentrations in 1-2 year old children living in Broken Hill are not anticipated to be affected by activities associated with the Proposal."; and for other metals: "It is concluded the risk of exceeding health-based toxicity reference values as a result of the Proposal is very low, and cancer risks are considered negligible or acceptable. The assessment is conservative." <p>BHOP's Mod 6 application, of which the December 2020 HHRA formed part, was approved on 16 March 2022. The Auditors consider that the Mod 6 approval is evidence of the Secretary's satisfaction with the 2020 HHRA.</p> <p>On 24 May 2021, SLR issued an Addendum to the December 2020 HHRA (SLR doc no. 640.30198.00000-L01-v1.1-20210524), in response to (page 1): "minor changes to the project description which relate to the location and alignment of the Tails Harvesting Haul Road."</p> <p>In the Addendum, SLR concluded (page 2): "The minor changes to the project description do not change the HHRA conclusions."</p>	Non-compliant	NC7

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>In relation to paragraph (a) of this condition, as of 7 July 2023 (the end of the audit period), BHOP had not received the Secretary's endorsement of the preparer (Tarah Hagen) of the HHRA.</p> <p>After the end of the audit period, BHOP received an emailed letter dated 10 July 2023 from the nominee of the Planning Secretary, which endorsed the HHRA expert, 'Tanya Hagan' (letter reference: MP07_0018-PA-56).</p> <p>Non-compliance No. 7</p> <p>In relation to paragraph (a) of this condition, during the audit period BHOP was unable to obtain the Secretary's endorsement of the preparer of the December 2020 Human Health Risk Assessment report; Tarah Hagen (MSc, DABT, RACTRA), as a suitably qualified expert.</p> <p>Recommendation No. 7</p> <p>No action is required to rectify this non-compliance (i.e. the required endorsement was issued by the Secretary on 10 July 2023). BHOP should request and obtain the Secretary's endorsement of the relevant expert prior to preparation of the next updated Human Health Risk Assessment.</p> <p>In relation to paragraph (b) of this condition, the December 2020 HHRA includes monitoring data and other relevant information. For example, section 2.6.1 of the 2020 HHRA, "Table 2-3 – Existing Pb concentrations in topsoil of Broken Hill by district or specific location", includes details of externally sourced monitoring data and BHOP monitoring data used to derive the HHRA data. As noted in section 2.6.1:</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions																			
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance														
			<p>“Therefore, for this HHRA a combination of data from the BHOP sampling campaign and the Yang and Cattle (2015) research were used, with the rationale explained in the footnotes to Table 2-3.”</p> <p>Paragraph (c) of this condition was substituted on 16 March 2022 (the Mod 6 approval date) and will apply when the next updated HHRA is prepared.</p>																
Condition 14A	<p>Lead Awareness and Public Health – Updated Human Health Risk Assessment</p> <p>The updated Health Risk Assessment must inform the revision of the Air Quality Management Plan and the Lead Management Plan required under this approval, if monitoring data shows that the project is contributing to increased blood lead levels.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) 	<p>This condition was included in the Project Approval on 16 March 2022 (the Mod 6 approval date).</p> <p>This condition was not triggered during the audit period. Unless otherwise agreed with the Secretary, the next updated Human Health Risk Assessment will be due in December 2025.</p>	Not triggered															
Condition 14B	<p>Lead Awareness and Public Health – Temporary Tailings Stockpile</p> <p>Following completion of construction of TSF3, the Proponent must prioritise the re-emplacment of tailings from the Temporary Tailings Stockpile to TSF3.</p>	<ul style="list-style-type: none"> Audit interview (Environmental Graduate) 	<p>This condition was included in the Project Approval on 13 December 2022, and was not triggered during the audit period. This condition will be triggered when construction of TSF3 is completed after the end of the audit period.</p>	Not triggered															
Condition 15	<p>Noise and Vibration – Hours of Operation</p> <p>Unless the Secretary agrees otherwise, the Proponent must comply with the operating hours in Table 6.1.</p> <p>Table 6.1: Operating Hours</p> <table border="1"> <thead> <tr> <th>Activity</th> <th>Hours</th> </tr> </thead> <tbody> <tr> <td>Mod 6 construction activities excluding new decline underground activities, and TSF 3 tailings preparation works</td> <td>7 am to 6 pm, Monday to Saturday No activities on Sundays or public holidays</td> </tr> <tr> <td>Construction, excluding construction of the ECL and Mod 6 construction activities</td> <td>7 am to 6 pm, Monday to Friday 8 am to 1 pm, Saturday No activities on Sundays or public holidays</td> </tr> <tr> <td>Capping and rehabilitation of TSF2</td> <td>7 am and 6 pm on any day</td> </tr> <tr> <td>Shunting of concentrate wagons</td> <td>6:45 am and 7:15 pm on any day</td> </tr> <tr> <td>Transporting cement to the cement silo</td> <td>7 am to 7 pm on any day</td> </tr> <tr> <td>Loading the cement silo</td> <td></td> </tr> </tbody> </table>	Activity	Hours	Mod 6 construction activities excluding new decline underground activities, and TSF 3 tailings preparation works	7 am to 6 pm, Monday to Saturday No activities on Sundays or public holidays	Construction, excluding construction of the ECL and Mod 6 construction activities	7 am to 6 pm, Monday to Friday 8 am to 1 pm, Saturday No activities on Sundays or public holidays	Capping and rehabilitation of TSF2	7 am and 6 pm on any day	Shunting of concentrate wagons	6:45 am and 7:15 pm on any day	Transporting cement to the cement silo	7 am to 7 pm on any day	Loading the cement silo		<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Construction Environment Management Plan – MOD6 Box cut, Portal, TSF3 and Tails Harvesting (BHO-PLN-ENV-012, Revision 4, issued 11 November 2022) 	<p>Section 5.4 of the Mod 6 Construction Environment Management Plan is consistent with the hours of operation limits in Table 6.1, and states:</p> <p>“All surface works associated with the Project will be undertaken from Monday to Saturday from 07:00am to 6:00pm, there will be no work on Sundays or Public Holidays. Works inside Kintore Pit (TSF3) may be conducted 7 days per week, 24 hours per day.”</p>	Compliant	
Activity	Hours																		
Mod 6 construction activities excluding new decline underground activities, and TSF 3 tailings preparation works	7 am to 6 pm, Monday to Saturday No activities on Sundays or public holidays																		
Construction, excluding construction of the ECL and Mod 6 construction activities	7 am to 6 pm, Monday to Friday 8 am to 1 pm, Saturday No activities on Sundays or public holidays																		
Capping and rehabilitation of TSF2	7 am and 6 pm on any day																		
Shunting of concentrate wagons	6:45 am and 7:15 pm on any day																		
Transporting cement to the cement silo	7 am to 7 pm on any day																		
Loading the cement silo																			

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions											
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance						
	<table border="1"> <tr> <td>Activity</td> <td>Hours</td> </tr> <tr> <td>Tailings harvesting in TSF2, including emplacement in the Temporary Tailings Stockpile</td> <td>7am to 7 pm on any day</td> </tr> <tr> <td>All other activities, including construction of the EEL, construction of the new decline (underground activities) and TSF-3 tailings preparation works</td> <td>24 hours a day, 7 days a week</td> </tr> </table> <p>[Auditor’s Note – The lime green text in Table 6.1 reads as follows: “Activity” – “Tailings harvesting in TSF2, including emplacement in the Temporary Tailings Stockpile”; and “Hours” – “7am to 7 pm on any day”.]</p>	Activity	Hours	Tailings harvesting in TSF2, including emplacement in the Temporary Tailings Stockpile	7am to 7 pm on any day	All other activities, including construction of the EEL, construction of the new decline (underground activities) and TSF-3 tailings preparation works	24 hours a day, 7 days a week		<p>Under item ID 2.1 (Noise) in Table 6-2 (Environmental Management Activities & Controls – MOD6 Construction Works) in the Mod 6 CEMP, the persons who are responsible for ensuring compliance with the hours of operation limits are the BHOP Appointed Project Manager and the Construction Contractor.</p> <p>As of July 2023, BHOP has not sought agreement from the Secretary to vary these operating hours.</p> <p>It was noted that crushing of ore (which in Table 6.1 is included as “all other activities”) is authorised to occur 24 hours a day, 7 days a week and is not restricted to daylight hours. During the audit period, processing activities at the Rasp Mine occurred on an ‘8 days on / 6 days off’ cycle.</p> <p>The operating hours defined in Table 6.1 are available to external stakeholders via the availability of consolidated Project Approval 07_0018 on the CBH website.</p> <p>Observation No. 22 – Following each future Modification approval, the requirements of this condition could be proactively communicated on the CBH website, to allow these requirements to be known and understood by the community (i.e. in addition to being available via Table 6.1 in the Project Approval).</p>		
Activity	Hours										
Tailings harvesting in TSF2, including emplacement in the Temporary Tailings Stockpile	7am to 7 pm on any day										
All other activities, including construction of the EEL, construction of the new decline (underground activities) and TSF-3 tailings preparation works	24 hours a day, 7 days a week										
Condition 16	Noise and Vibration Deleted.	<ul style="list-style-type: none"> Not applicable – condition deleted. 	Not applicable. This deleted condition is not counted in the total of 75 conditions in the consolidated Project Approval.	—	—						

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions

Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance																																																												
<p>Condition 17</p>	<p>Noise and Vibration – Noise Limits</p> <p>The Proponent shall ensure that the noise generated by the project does not exceed the criteria in Table 7 except as otherwise permitted under conditions 17B and 17D below.</p> <p><small>Table 7: Operational Noise Criteria</small></p> <table border="1"> <thead> <tr> <th>Location</th> <th>^aDay (dB(A))</th> <th>^bEvening (dB(A))</th> <th>^cNight (dB(A))</th> </tr> </thead> <tbody> <tr><td>A1 – Piper Street North</td><td>40</td><td>37</td><td>35</td></tr> <tr><td>A2 – Piper Street Central</td><td>40</td><td>37</td><td>35</td></tr> <tr><td>A3 – Eyre Street North</td><td>44</td><td>41</td><td>39</td></tr> <tr><td>A4 – Eyre Street Central</td><td>44</td><td>41</td><td>39</td></tr> <tr><td>A5 – Eyre Street South</td><td>44</td><td>41</td><td>39</td></tr> <tr><td>A6 – Bonanza and Gypsum Streets</td><td>48</td><td>41</td><td>39</td></tr> <tr><td>A7 – Carbon Street</td><td>45</td><td>42</td><td>36</td></tr> <tr><td>A8 – South Road</td><td>48</td><td>39</td><td>39</td></tr> <tr><td>A9 – Crystal Street</td><td>46</td><td>39</td><td>39</td></tr> <tr><td>A10 – Barnet and Blonde Streets</td><td>42</td><td>41</td><td>35</td></tr> <tr><td>A11 – Crystal Street</td><td>46</td><td>39</td><td>39</td></tr> <tr><td>A12 – Crystal Street</td><td>46</td><td>39</td><td>39</td></tr> <tr><td>A13 – Eyre Street North 2</td><td>40</td><td>35</td><td>35</td></tr> <tr><td>A14 – Piper Street North</td><td>40</td><td>35</td><td>35</td></tr> </tbody> </table> <p><small>Notes to Condition 17:</small></p> <ul style="list-style-type: none"> Receiver locations are as identified in the noise assessments presented in the EA and PPR; Noise limits are to be measured in accordance with the <i>Noise Policy for Industry (NSW EPA, 2017)</i>, or its latest version; ^aDay is defined as 7 am to 6 pm Mondays to Saturdays and 8 am to 6 pm on Sundays and public holidays; ^bEvening is defined as 6 pm to 10 pm on any day; and ^cNight is defined as 10 pm to 7 am Mondays to Saturdays and 10 pm to 8 am on Sundays and public holidays. 	Location	^a Day (dB(A))	^b Evening (dB(A))	^c Night (dB(A))	A1 – Piper Street North	40	37	35	A2 – Piper Street Central	40	37	35	A3 – Eyre Street North	44	41	39	A4 – Eyre Street Central	44	41	39	A5 – Eyre Street South	44	41	39	A6 – Bonanza and Gypsum Streets	48	41	39	A7 – Carbon Street	45	42	36	A8 – South Road	48	39	39	A9 – Crystal Street	46	39	39	A10 – Barnet and Blonde Streets	42	41	35	A11 – Crystal Street	46	39	39	A12 – Crystal Street	46	39	39	A13 – Eyre Street North 2	40	35	35	A14 – Piper Street North	40	35	35	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Rasp Mine – Annual attended noise monitoring assessment – November 2022 (EMM Consultants, report dated 5 December 2022, E220989 / RP1 / v1) Annual Review 2022 (Revised) – Section 5.14 (Operational Noise) Envirosuite Logger reports Email of 11 July 2023 from Senior Environmental Advisor regarding date of cessation of surface drilling activities 	<p><u>Noise monitoring by consultant</u></p> <p>During the audit period, one environmental noise monitoring survey was conducted over two consecutive night-time periods from 27th to 29th October 2022, and an annual noise monitoring assessment report dated 5 December 2022 was issued by consultant, EMM Consultants (EMM).</p> <p>It was stated that the next attended noise monitoring survey is scheduled in late 2023.</p> <p>Section 3.1 of the EMM report noted:</p> <p>“Further, additional day period monitoring was conducted at five assessment locations to address the temporary construction noise limits in accordance with Condition 17D of the site’s PA.”</p> <p>It was not verified whether the October 2022 noise survey occurred when the BHOP mill was in operation (i.e. whether the survey occurred during the “8 days on” phase of the “8 days on / 6 days off” schedule, in place since July 2020).</p> <p>Observation No. 23 – BHOP could ensure that: a) attended noise monitoring surveys are conducted when the mill is operational (i.e. when project-generated noise is likely to be higher than when the mill is non-operational); and b) survey reports clearly define the mill’s operational status.</p> <p>The external noise survey was conducted at the 14 locations (A1 through A14) identified in Table 7 of this condition. Only night-time noise and early morning (before 8am noise) was surveyed.</p> <p><u>October 2022 Noise Survey</u></p> <p>In its report of 5 December 2022, EMM concluded (in section 5) that:</p>	<p>Compliant</p>	
Location	^a Day (dB(A))	^b Evening (dB(A))	^c Night (dB(A))																																																														
A1 – Piper Street North	40	37	35																																																														
A2 – Piper Street Central	40	37	35																																																														
A3 – Eyre Street North	44	41	39																																																														
A4 – Eyre Street Central	44	41	39																																																														
A5 – Eyre Street South	44	41	39																																																														
A6 – Bonanza and Gypsum Streets	48	41	39																																																														
A7 – Carbon Street	45	42	36																																																														
A8 – South Road	48	39	39																																																														
A9 – Crystal Street	46	39	39																																																														
A10 – Barnet and Blonde Streets	42	41	35																																																														
A11 – Crystal Street	46	39	39																																																														
A12 – Crystal Street	46	39	39																																																														
A13 – Eyre Street North 2	40	35	35																																																														
A14 – Piper Street North	40	35	35																																																														

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>“The monitoring assessment found that site $L_{Aeq,15min}$ noise contributions satisfied the relevant limits during the measurements at all assessment locations, including where noise limits were not applicable due to windspeeds greater than 3m/s (at 10m aboveground level) or temperature inversion conditions, as measured at the on-site weather station.”</p> <p>Calibration certificates for the noise meters utilised during the noise survey were included within Appendix A of the 5th December 2022 report.</p> <p><u>Noise monitoring by BHOP</u></p> <p>Two additional permanent noise monitors have been operational on TSF1 (i.e. on site, at locations R1 and R2, serviced by Envirosuite) prior to the commencement of Mod 6 works on 19 September 2022.</p> <p>The Auditors sighted selected Envirosuite records of Noise Monitor Loggers 1 and 2, for selected periods from 10 November to 15 November 2022, 13 March to 18 March 2023, and 29 June to 4 July 2023.</p> <p>BHOP conducts noise monitoring, using a portable noise meter, at the locations identified in Table 7 of this condition.</p> <p>The Auditors sighted a sample of noise monitoring field sheets completed by BHOP’s Senior Environmental Advisor for attended monitoring at location A7 on 13 March 2022 (from 10:50 to 11:34), location A14 on 2 December 2022 (from 15:31 to 15:42), and location A14 on 12 May 2023 (from 06:42 to 06:53).</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>Apart from the noise monitoring field sheet for 13 March 2022, the sample sheets recorded wind speed, wind direction and cloud cover, and recorded non-site generated noise (e.g. traffic noise). It is noted that BHOP did not receive any noise-related complaints except one complaint in April 2022 relating to drilling activities, as described below.</p> <p>INX No. 7797 related to a complaint made on 9 April 2022 from a local resident regarding surface drilling activities near monitoring location A7 (Carbon Street). This complaint was recorded in BHOP's complaints register.</p> <p>Surface drilling at this location ceased on 17th October 2022. The Auditors sighted email correspondence of 11 July 2023 regarding this date of cessation.</p> <p>BHOP recognises that under the NSW Noise Policy for Industry, the Rasp Mine is required to comply with the maximum limit of amenity criteria of 65 dB L_{Aeq(day)} specified for an urban/industrial interface area.</p>		
Condition 17A	<p>Noise and Vibration – Noise Limits</p> <p>The daytime criteria in Table 7 of this approval do not apply when the following activities are being carried out:</p> <p>(a) construction of the concrete batching plant and associated noise bund;</p> <p>(b) construction of TSF2, including:</p> <ul style="list-style-type: none"> • embankment 2; • the spillway; • embankment 3; • embankment 1; <p>(c) capping and rehabilitation of TSF2;</p> <p>(d) construction of the cement silo and warehouse extension; and</p>	<ul style="list-style-type: none"> • Audit interview (Senior Environmental Advisor) 	<p>This condition was not triggered during the audit period. All works described in paragraphs (a) to (e) were stated as having been completed prior to the audit period, as follows:</p> <p>(a) construction of the concrete batching plant and associated noise bund was completed on 24 July 2018, with the commencement date unable to be verified;</p>	Not triggered	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
	(e) crushing and screening activities associated with construction of TSF2 embankments.		<p>(b) construction of the TSF2 Spillway and Embankments 1, 2 and 3 has been completed (commenced on 11 June 2019 and completed on 30 April 2020 for the Spillway and TSF2 Embankment 2; and commenced on 27 July 2020 and completed on 8 July 2021 for TSF2 Embankments 1 and 3);</p> <p>(c) capping and rehabilitation of TSF2 had not commenced – hence this paragraph was not triggered as of July 2023;</p> <p>(d) construction of the cement silo and warehouse extension has been completed, with the completion date(s) unable to be verified; and</p> <p>(e) crushing and screening activities associated with construction of the TSF2 embankments have been completed (commenced on 27 July 2020, with unspecified completion date).</p>		
Condition 17B	<p>Noise and Vibration – Noise Limits</p> <p>With regard to the activities specified in condition 17A(a)-(e) of this approval, the Proponent must:</p> <p>(a) notify the Department prior to commencement and upon completion of each activity;</p> <p>(b) minimise the noise generated by these activities in accordance with the best practice requirements outlined in the <i>Interim Construction Noise Guideline</i> (DECC, 2009), or its latest version; and</p> <p>(c) ensure that the noise generated by the project does not cause exceedances of the amenity criteria of 65 dB $L_{Aeq,(day)}$ specified for an urban/industrial interface area under the <i>NSW Industrial Noise Policy</i>.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) BHOP letter of 19 September 2022 regarding physical commencement of Mod 6 works (note: printed date in letter incorrectly refers to “2021”) to the Secretary, EPA, Resources Regulator and Broken Hill City Council Construction Environment Management Plan – MOD6 Box cut, Portal, TSF3 and Tails Harvesting (BHO-PLN-ENV-012, Revision 4, issued 11 November 2022) 	<p>This condition relates to activities specified in Condition 17A(a)-(e), which relate to works under previous modifications: Mod 4 (approved in September 2017), Mod 5 (approved in October 2018) and Mod 7 (approved in July 2019) (i.e. this condition does not relate to the Mod 6 or Mod 10 works which were in progress during the audit period).</p> <p>Although not required under paragraph (a) of this condition, via letter of 19 September 2022, BHOP notified the DPE regarding the physical commencement of Mod 6 works on that date.</p>	Not triggered	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions																	
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance												
			Although paragraphs (b) and (c) of this condition do not relate to the Mod 6 or Mod 10 works, the Auditors noted that Table 6-2 of the Mod 6 Construction Environment Management Plan includes “Noise” management controls. For example, item 2.4 in Table 6-2 provides examples of ‘best practice’ requirements in the <i>NSW EPA Noise Policy for Industry (2017)</i> as referred to in paragraph (b) of this condition. Item 2.3 in Table 6-2 refers to the amenity criteria in paragraph (c) of this condition.														
Condition 17C	<p>Noise and Vibration – Noise Limits</p> <p>The Proponent must not carry out any of the activities specified in condition 17A(a)-(c) concurrently.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) 	The activities specified in condition 17(a) and (b) were completed prior to the commencement of the audit period (12 th March 2022). As of July 2023, the activities specified in condition 17(c) (i.e. capping and rehabilitation of TSF2) had not commenced.	Compliant													
Condition 17D	<p>Noise and Vibration – Noise Limits</p> <p>The noise criteria in Table 7 of this approval apply for construction of Stages 1 and 2 of the boxcut, excluding daytime criteria for receivers described in Table 7a. The proponent must ensure that the noise generated by the project does not exceed the criteria in Table 7a during standard construction hours – defined as Monday to Friday 7 am to 6 pm and Saturday 8 am to 1 pm and no time on Sundays and public holidays.</p> <table border="1"> <caption>Table 7a: Additional Construction Noise Criteria for the Boxcut Construction</caption> <thead> <tr> <th>Location</th> <th>Day (dB(A))</th> </tr> </thead> <tbody> <tr> <td>A1 – Piper Street North</td> <td>43</td> </tr> <tr> <td>A2 – Piper Street Central</td> <td>45</td> </tr> <tr> <td>A3 – Eyre Street North</td> <td>47</td> </tr> <tr> <td>A13 – Eyre Street North 2</td> <td>48</td> </tr> <tr> <td>A14 – Piper Street North</td> <td>47</td> </tr> </tbody> </table> <p>Notes to Condition 17D:</p> <ul style="list-style-type: none"> Receiver locations are as identified in the noise assessments presented in the Appendix 3, and Noise limits are to be measured in accordance with the Noise Policy for Industry (NSW EPA, 2017), in its latest version. 	Location	Day (dB(A))	A1 – Piper Street North	43	A2 – Piper Street Central	45	A3 – Eyre Street North	47	A13 – Eyre Street North 2	48	A14 – Piper Street North	47	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Selected Envirosuite monitoring records for Noise Monitor Loggers 1 and 2 (noise monitors on TSF1 at locations R1 and R2), from 10 November to 15 November 2022, 13 March to 18 March 2023, and 29 June to 4 July 2023 	<p>Two additional permanent noise monitors have been operational on TSF1 (i.e. on site, at locations R1 and R2, serviced by Envirosuite) prior to the commencement of Mod 6 works on 19 September 2022.</p> <p>The Auditors sighted selected Envirosuite records of Noise Monitor Loggers 1 and 2, for selected periods from 10 November to 15 November 2022, 13 March to 18 March 2023, and 29 June to 4 July 2023.</p> <p>It was stated that these two monitors are currently non-directional, and could detect noise from nearby Eyre Street traffic. Despite this design limitation, no exceedances of the noise limits in Table 7a were reported from these two monitors during the audit period.</p>	Compliant	
Location	Day (dB(A))																
A1 – Piper Street North	43																
A2 – Piper Street Central	45																
A3 – Eyre Street North	47																
A13 – Eyre Street North 2	48																
A14 – Piper Street North	47																

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions																																											
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance																																						
Condition 18	<p>Noise and Vibration – Blasting Limits</p> <p>The Proponent shall ensure that basting on the site does not cause exceedances of the criteria in Tables 8 and 9.</p> <p><small>Table 8: Blasting Criteria (excluding Block 7)</small></p> <table border="1"> <thead> <tr> <th>Location</th> <th>Airblast Overpressure (dB(Lin Peak))</th> <th>Ground Vibration (mm/s)</th> <th>*Allowable Exceedance [†] 5% of the total number of blasts over a 12 month period</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Residence on privately owned land</td> <td>115</td> <td>5</td> <td></td> </tr> <tr> <td>120</td> <td>10</td> <td>0%</td> </tr> <tr> <td>Public Infrastructure</td> <td>-</td> <td>100</td> <td>0%</td> </tr> </tbody> </table> <p><small>Table 9: Blasting Criteria (Block 7)</small></p> <table border="1"> <thead> <tr> <th>Location</th> <th>Airblast Overpressure (dB(Lin Peak))</th> <th>Ground Vibration (mm/s)</th> <th>*Allowable Exceedance 5% of the total number of blasts over a 12-month period</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Residence on privately owned land</td> <td>115</td> <td>[‡] 3 (interim)</td> <td></td> </tr> <tr> <td>120</td> <td>10</td> <td>0%</td> </tr> <tr> <td>Broken Hill Bowling Club, Italia (Bocce) Club, Heritage Items within CML7</td> <td>-</td> <td>50</td> <td>0%</td> </tr> <tr> <td>Penlya Southern Operations</td> <td>-</td> <td>100</td> <td>0%</td> </tr> <tr> <td>[§] Public Infrastructure</td> <td>-</td> <td>100</td> <td>0%</td> </tr> </tbody> </table> <p>These criteria do not apply if the Proponent has a written agreement with the relevant owner to exceed these criteria, and has advised the Department in writing of the terms of this agreement.</p> <p><small>Notes to Tables 8 and 9:</small></p> <ul style="list-style-type: none"> * The allowable exceedance must be calculated separately for development blasts and production blasts; [†] The 5% allowable exceedance does not apply to production blasts until the Proponent has successfully completed a Pollution Reduction Program aimed at achieving this goal, as required by the LPA under the Proponent's LPL (No. 12595), or as otherwise agreed with the EPA; [‡] The interim criteria applies unless and until such time that the Proponent has written consent from the Secretary to apply site specific criteria in accordance with condition 19 of this approval, and [§] The Proponent must close South Road to pedestrians if blasts are expected to exceed a peak particle velocity ground vibration of 65 mm/s at the road reserve surface, while the blast firing occurs. 	Location	Airblast Overpressure (dB(Lin Peak))	Ground Vibration (mm/s)	*Allowable Exceedance [†] 5% of the total number of blasts over a 12 month period	Residence on privately owned land	115	5		120	10	0%	Public Infrastructure	-	100	0%	Location	Airblast Overpressure (dB(Lin Peak))	Ground Vibration (mm/s)	*Allowable Exceedance 5% of the total number of blasts over a 12-month period	Residence on privately owned land	115	[‡] 3 (interim)		120	10	0%	Broken Hill Bowling Club, Italia (Bocce) Club, Heritage Items within CML7	-	50	0%	Penlya Southern Operations	-	100	0%	[§] Public Infrastructure	-	100	0%	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Site inspection – Photo 25 (see Appendix F) Annual Review 2022 (Revised) – Section 5.13 (Blasting) BHOP's Register of Blast Monitors Saros calibration certificate issued on 14 March 2023 for Micromate serial number UM16460 Saros calibration certificate issued on 14 March 2023 for Minimate serial number BE11909 	<p>Blast monitoring is scheduled and conducted by personnel from BHOP's Environment Department. Personnel from BHOP's Technical Services Department are responsible for reviewing blast vibration data.</p> <p>As of July 2023, BHOP owns and maintains nine regulatory-compliance blast monitors, inclusive of six PA/EPL compliance monitors and three 'Dams Safety NSW' required monitors on the TSF2 embankments. BHOP owns and maintains one spare blast monitor and an additional five roving blast monitors. These monitors are listed in BHOP's Register of Blast Monitors (Excel spreadsheet), including calibration dates (calibration by Saros in Brisbane).</p> <p>As of July 2023, all compliance monitors are within their calibration periods.</p> <p>As evidence of calibration of blast monitors, the Auditors sighted the following calibration records for the following selected blast monitors:</p> <ul style="list-style-type: none"> Saros calibration certificate issued on 14 March 2023 for Micromate serial number UM16460; and Saros calibration certificate issued on 14 March 2023 for Minimate serial number BE11909. <p>As of July 2023, the newer model of blast monitor, the Micromate, is used at all six compliance monitoring locations (see Photo 25).</p> <p>During the audit period, BHOP placed two additional blast monitors (rented from Saros) on the surface of TSF1 for surface blast monitoring during Mod 6 works.</p>	Non-compliant	NC8
Location	Airblast Overpressure (dB(Lin Peak))	Ground Vibration (mm/s)	*Allowable Exceedance [†] 5% of the total number of blasts over a 12 month period																																								
Residence on privately owned land	115	5																																									
	120	10	0%																																								
Public Infrastructure	-	100	0%																																								
Location	Airblast Overpressure (dB(Lin Peak))	Ground Vibration (mm/s)	*Allowable Exceedance 5% of the total number of blasts over a 12-month period																																								
Residence on privately owned land	115	[‡] 3 (interim)																																									
	120	10	0%																																								
Broken Hill Bowling Club, Italia (Bocce) Club, Heritage Items within CML7	-	50	0%																																								
Penlya Southern Operations	-	100	0%																																								
[§] Public Infrastructure	-	100	0%																																								

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>During the audit period there was no identified exceedance of the blast overpressure and vibration criteria in Table 8 of this condition (i.e. excluding Block 7).</p> <p>As reported in section 5.13 of the Annual Review 2022 (Revised), during the reporting period of 1 January 2022 to 31 December 2022:</p> <p>“In the Block 7 mining areas (excluding the Zinc Lodes), 1 production blasts was fired during the reporting period, which exceeded 3 mm/s at one of the compliance monitors. V4 123 Eyre Street/Bowls Club returned a reading of 7.75mm/s on 22 July 2022 as a result of blasting in Block 7, this blast also exceeded criteria for overpressure levels resulting from blasting. This non-compliance was reported to DPE on 5 August 2022.”</p> <p>It was stated that since the above July 2022 blast, no blasting has occurred in Block 7.</p> <p>Non-compliance No. 8</p> <p>On 22 July 2022 the V4 monitor at 123 Eyre Street/Bowls Club returned a reading of 7.75mm/s as a result of blasting in Block 7, and this blast also exceeded criteria for overpressure levels resulting from blasting.</p> <p>Recommendation No. 8</p> <p>BHOP could consider the feasibility of negotiating written agreements with relevant owners to exceed relevant criteria in Tables 8 and 9 of this condition.</p>		
Condition 19	<p>Noise and Vibration – Blasting Limits</p> <p>The Proponent may establish site specific ground vibration criteria for residential receivers that may be affected by blasting operations in Block 7, to the satisfaction of the Secretary. These criteria must:</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) 	<p>It was stated that as of July 2023, BHOP is not aware of any site-specific ground vibration criteria being in place for residential receivers that may have been affected by blasting operations in Block 7.</p>	Not triggered	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
	<p>(a) be prepared by a suitably qualified mining engineer;</p> <p>(b) be prepared in consultation with the EPA;</p> <p>(c) protect the amenity of all residences on privately owned land; and</p> <p>(d) be based on blast monitoring data for the Block 7 mining area.</p>		It was stated that access to Block 7 will be 'cut off' after the end of the audit period, when the portal plugs for TSF3 are installed and TSF3 is commissioned.		
Condition 19A	<p>Noise and Vibration – Blast Frequency</p> <p>The Proponent may carry out a maximum of:</p> <p>(a) 1 production blast a day and 6 production blasts a week, averaged over a calendar year; and</p> <p>(b) 6 development blasts a day and 42 development blasts a week, averaged over a calendar year.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Annual Review 2022 (Revised) Excel spreadsheet: Report_byblast_RASP Mine_MASTER 2023 (derived from Saros Blasthub data) 	<p>As reported in section 5.13 of BHOP's Annual Review 2022 (Revised), a total of 1,352 blasts were fired during the reporting period, 1,246 for development and 106 for production.</p> <p>The Auditors sighted a "Report_byblast_RASP Mine_MASTER 2023" Excel spreadsheet (derived from Saros Blasthub data).</p> <p>In the 2022 calendar year, the 'Report_byblast' spreadsheet records an average of 2.04 production blasts a week and 23.96 development blasts per week. This equates to an average of 0.29 production blasts per day and 3.41 development blasts per day.</p>	Compliant	
Condition 19B	<p>Noise and Vibration – Operating Conditions</p> <p>The Proponent must:</p> <p>(a) implement best management practice to:</p> <ul style="list-style-type: none"> protect the safety of people in the surrounding area; and protect public or private infrastructure/property in the surrounding area from any damage; <p>(b) operate a suitable system to enable the public to get up-to-date information on the proposed blasting schedule on site;</p> <p>(c) use reasonable endeavours to co-ordinate blasting at the site:</p> <ul style="list-style-type: none"> to minimise cumulative blasting impacts associated with the operation of nearby mines; and 	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) CBH website Noise Management Plan (BHO-PLN-ENV-009, Revision 5, issued 28 April 2023) Technical Blasting Management Plan (BHO-PLN-MIN-002, Revision 5, issued 28 April 2023) 	<p>In relation to the paragraphs of this condition:</p> <p>(a) Examples of best management practices implemented by BHOP include requirements described in section 8.2.2 of BHOP's Technical Blasting Management Plan (TBMP) to meet blasting and overpressure criteria and to minimise blasting impacts on the local community.</p> <p>(b) The CBH website includes a Rasp Blasting Schedule page, which as of July 2023 was observed to be up-to-date.</p>	Compliant	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
	<ul style="list-style-type: none"> to avoid disturbing users of nearby recreational facilities, including the Broken Hill Bowling Club and the Italo (Bocce) Club; <p>(d) minimise the noise impacts of the project during adverse meteorological conditions (stability category F temperature inversion conditions and wind speeds greater than 2 m/s at 10 m above ground level);</p> <p>(e) carry out regular monitoring to determine whether the project is complying with the relevant conditions of this approval; and</p> <p>(f) regularly assess noise monitoring data and modify and/or stop operations on site to ensure compliance with the relevant conditions of this approval;</p> <p>to the satisfaction of the Secretary.</p>	<ul style="list-style-type: none"> Surface Blasting Management Plan (BHO-PLN-MIN-016, Revision 1, issued 28 September 2022) Noise Monitoring Procedure (BHO-ENV-PRO-012, Revision 3, issued 4 August 2022) Selected noise monitoring field sheets (sample dates of 13 March 2022, 2 December 2022 and 12 May 2023) Rasp Mine – Annual attended noise monitoring assessment – November 2022 (EMM Consultants, report dated 5 December 2022, E220989 / RP1 / v1) 	<p>It was stated that as of July 2023, BHOP sends text message alerts (via Whispr online software) to local residents and an officer of the EPA and Resources Regulator on the day of a scheduled production blast and scheduled surface blasting for Mod 6 works. It was stated that the Whispr software enables a recipient to reply to the text message alert, if desired.</p> <p>(c) Section 8.2.1 of the TBMP reproduces the wording in paragraph (c) of this condition, without providing specific details. During the audit period, no complaints of blasting-related disturbance were made by users of the Broken Hill Bowling Club or the Italo (Bocce) Club.</p> <p>Observation No. 24 – As evidence of using ‘reasonable endeavours’ to minimise cumulative blasting impacts associated with the operations of nearby mines (Schedule 3, Condition 19B(c)), BHOP could amend section 8.2.1 of the Technical Blasting Management Plan to refer to any agreement between BHOP and Perilya to avoid unnecessary overlaps in production blasting times.</p> <p>(d) There was no evidence (i.e. complaints) that the Rasp Project had any off-site adverse noise impacts in adverse meteorological conditions. Section 5 (Conclusion) in the annual attended noise monitoring assessment report for November 2022 (EMM, 5 December 2022) stated (in part):</p> <p>“The monitoring assessment found that site $L_{Aeq,15min}$ noise contributions satisfied the relevant limits during the measurements at all assessment locations, including where noise limits were not applicable due to wind speeds greater than 3m/s (at 10m above ground level) or temperature inversion conditions, as measured at the on-site weather station.”</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>(e) The Auditors sighted a sample of completed noise monitoring field sheets, which are in the format specified in Appendix Four of BHOP's Noise Monitoring Procedure.</p> <p>During the audit period, BHOP received one noise-related complaint on 9 April 2022, from a resident on Carbon Street regarding surface drilling activities near the boundary at Carbon Street (INX No. 7797). Actual noise measurements at the Carbon Street (A7) location were not recorded during these drilling activities.</p> <p>Observation No. 25 – To potentially avoid a repeat of the noise complaint of 9 April 2022 (INX No. 7797), BHOP could conduct noise monitoring while surface drilling activities are in progress, to identify whether the noise emissions from drilling activities exceed the relevant limit at the relevant location.</p> <p>(f) Section 6.4 (Action Limits) of the NMP describes the operational responses for the following scenarios at a given receiver: 2dB below operational license limit, between the operational license limit and +2dB, between 2dB and 5dB of the operational license limit, more than 5dB above the operational license limit. The NMP does not include a Trigger Action Response Plan (TARP).</p> <p>Observation No. 26 – BHOP should include a Trigger Action Response Plan (TARP) in the Noise Management Plan. BHOP could consider whether the action limits in section 6.4 of the Noise Management Plan could form the basis of the TARP.</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
Condition 20	<p>Noise and Vibration – Noise and Blast Management Plan</p> <p>The Proponent shall prepare and implement a Noise and Blast Management Plan for the project to the satisfaction of the Secretary. This plan must:</p> <p>(a) be prepared in consultation with EPA, and submitted to the Secretary for approval by the end of June 2011;</p> <p>(b) describe the noise mitigation measures that would be implemented to:</p> <ul style="list-style-type: none"> • ensure compliance with the relevant conditions of this approval, including a real-time noise management system that employs both reactive and proactive mitigation measures; • address activities associated with the construction of the concrete batching plant and TSF2, and the capping and rehabilitation of TSF2; and • address activities associated with the construction of the boxcut, TSF3 and tailings harvesting routes as described in Modification 6; <p>(c) include a noise monitoring program that:</p> <ul style="list-style-type: none"> • uses a combination of real-time and supplementary attended monitoring to evaluate the performance of the project; and • includes a protocol for determining exceedances of the relevant conditions of this approval; <p>(d) describe the blast management measures that would be implemented to ensure compliance with the blast criteria and operating conditions of this approval;</p> <p>(e) include a blast monitoring program that:</p> <ul style="list-style-type: none"> • evaluates the performance of the project, including compliance with the applicable criteria; 	<ul style="list-style-type: none"> • Audit interview (Senior Environmental Advisor) • Email correspondence of 12 August 2022 from BHOP to EPA, and EPA's reply of 17 August 2022 • Noise Management Plan (BHO-PLN-ENV-009, Revision 5, issued 28 April 2023) • Technical Blasting Management Plan (BHO-PLN-MIN-002, Revision 5, issued 28 April 2023) • Surface Blasting Management Plan (BHO-PLN-MIN-016, Revision 1, issued 28 September 2022) 	<p>As of July 2023, BHOP does not have a unified "Noise and Blast Management Plan" defined in this condition. BHOP has instead prepared the following Management Plans, which the Auditors consider to satisfy the requirement in this condition to prepare a Noise and Blast Management Plan:</p> <ul style="list-style-type: none"> • Noise Management Plan (NMP); • Technical Blasting Management Plan (TBMP) – for underground blasting; and • Surface Blasting Management Plan (SBMP). Section 1 of the SBMP states that the relationship between the SBMP and the TBMP, "is that the SBMP is subordinate to the TBMP, and forms a stand-alone, additional temporary appendix of the TBMP." <p>Section 11 of the TBMP includes a Trigger Action Response Plan, with contingency strategies for Block 7 including Zinc Lodes (Table 7 in the TBMP) and the Western Mineralisation (Table 8 in the TBMP).</p> <p>As of July 2023, implementation of 'best management practices' in section 8.2 (Noise Mitigation Measures) of the NMP includes:</p> <ul style="list-style-type: none"> • noise awareness information in the Rasp Mine General Induction (V2.04, Section 13.3 – Key Environmental Issues); • the use of enclosed conveyors and transfer stations prior to the grinding circuit; and • the use of 'squawker' type reverse alarms on vehicles used on site. 	Compliant	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
	<ul style="list-style-type: none"> uses a combination of roving blast monitors (at least 1) and fixed blast monitors (at least 6); and includes a protocol for determining and responding to exceedances of the relevant conditions of this approval; and <p>(f) detail notification requirements to relevant government agencies.</p>		<p>In relation to the paragraphs of this condition:</p> <p>(a) Section 9 of the NMP acknowledges the requirement for consultation with the EPA. The Auditors sighted email correspondence of 12 August 2022 from BHOP's Senior Environmental Advisor to request the EPA's input into updating of the NMP, and the EPA's response of 17 August 2022.</p> <p>The Auditors consider that the requirement for submission of the Noise and Blast Management Plan to the Secretary for approval by the end of June 2011 does not apply to subsequent revisions of the Plan.</p> <p>(b) Section 6.4 of the NMP describes 'action limits' during attended noise monitoring, and section 7.1 describes noise mitigation measures to reduce a noise exceedance to below the action limit (e.g. "Elimination by using a new design, plant or equipment"). Section 8.2 describes implementation of various mitigation measures including: the use of squawker reverse alarms on vehicles used on site; and enclosure of motors for the loading of cement into the silo (blower) and into the mixing hopper (screw conveyor).</p> <p>In relation to the current Mod 6 works (the third dot point in paragraph (b) of this condition), sections 8.2.1, 8.2.2 and 8.2.3 of the NMP respectively address activities associated with the construction of the boxcut and new haul road, TSF2 harvesting preparation, and redevelopment of Kintore Pit (TSF3). For example, in relation to the boxcut, section 8.2.1 describes noise mitigation measures as follows:</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>“Furthermore noise bunding will be installed around the west side of the boxcut where the new decline road is to meet the existing Mine Haul Road. All additional vehicles permitted on site during construction will be required to be fitted with squawker reversing beepers. A majority of blasts in the new decline will be consumed from underground to avoid adverse impacts on the surface from overpressure.”</p> <p>(c) Sections 6.1, 6.2 and 6.3 of the NMP and section 8.7 of the TBMP include details of noise monitoring programs (i.e. monitoring locations and frequency).</p> <p>(d) The TBMP and SBMP describe blast management measures that would be implemented to ensure compliance with the blast criteria and operating conditions of this approval, for example:</p> <ul style="list-style-type: none"> • instrumentation used and procedures will be in accordance with AS 2817.2-2006 (section 8.7.1 of the TBMP); and • specific operational requirements and standards are detailed in section 6.1 of the SBMP, and include the following requirement (in section 6.1.1): “Environmental constraints are considered at applicable sensitive receptors (including vibration, overpressure, fly-rock, fume, and dust).” <p>(e) The TBMP and SBMP include a blast monitoring program that:</p> <ul style="list-style-type: none"> • evaluates the performance of the project, including compliance with the applicable blasting criteria (sections 8.6 and 8.7 of the TBMP); 		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<ul style="list-style-type: none"> uses a combination of at least one roving monitor and at least six fixed monitors (section 8.7.1 of the TBMP); includes a protocol for determining and responding to exceedances of the relevant conditions of this approval (section 11 of the TBMP and section 6.1.8 of the SBMP). <p>(f) Section 7 of the NMP details notification requirements to relevant government agencies in relation to ‘incidents’ including noise limit exceedances (section 7.1) and complaints (section 7.2). Section 10 of the TBMP details notification requirements by cross-referencing the NMP.</p> <p>Observation No. 27 – BHOP could revise the document header in the Noise Management Plan, which currently refers to “Noise Monitoring Management Plan”.</p>		
Condition 20A	<p>Underground Mining – Performance Measures</p> <p>The Proponent shall ensure that there are no measurable subsidence impacts caused by underground mining beneath South Road and other public infrastructure.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Technical Blasting Management Plan (BHO-PLN-MIN-002, Revision 5, issued 28 April 2023) South Road inspection photos taken by BHOP personnel on 31 March 2023 South Road “Surface Prisms” Excel spreadsheet with most recent data dated 6 April 2023 	<p>As noted in the March 2022 audit report, a Deed of Agreement (in relation to road infrastructure affected by the Rasp Mine Extension) was entered into with the RMS (undated, but likely to be circa June 2015), prior to the commencement of production blasting in Block 7. The RMS is now known as TfNSW.</p> <p>Section 7.1 of the Deed of Agreement requires BHOP to monitor and inspect South Road at a frequency and in a manner in accordance with the ‘Relevant Documents’ (defined as the Ground Control Management Plan, Blasting Management Plan and any other documents required by RMS) and report to RMS on the condition of South Road in accordance with the Relevant Documents.</p>	Compliant	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>Section 8.2.1 of BHOP's Technical Blasting Management Plan (TMP) refers to the above Deed of Agreement, and states that:</p> <p>"BHOP will maintain a 60m crown pillar above the bench stoping mining area and 10m spans under South Road."</p> <p>Section 8.7.1 of the TMP refers to the existence of:</p> <p>"1 fixed vibration monitor located at the South Road gate entry into the Rasp Mine for assessing results for the road".</p> <p>It was stated that during the audit period, BHOP had not observed any measurable subsidence impacts caused by underground mining beneath South Road or other public infrastructure. The Auditors sighted South Road inspection photos of 31 March 2023 and a South Road "Surface Prisms" Excel spreadsheet with most recent data dated 6 April 2023.</p>		
Condition 21	<p>Soil and Water</p> <p>Except as may be expressly provided by an Environment Protection Licence issued under the <i>Protection of the Environment Operations Act 1997</i>, the Proponent shall comply with section 120 of that Act, which prohibits the pollution of waters.</p>	<ul style="list-style-type: none"> Audit interviews (Senior Environmental Advisor, HSET Manager and General Manager) Site Water Management Plan (BHO-PLN-ENV-004, Revision 2, issued 25 June 2019) Ryan Street Dam (S49) Water Quality Assessment (Revision 0, issued 8 June 2023 by WSP Consultants) Rasp Mine – Surface water management review (Revision 0, issued 9 June 2023 by WSP Consultants) 	<p>Relevant BHOP personnel were aware that it is an offence under section 120 of the <i>Protection of the Environment Operations Act 1997</i> to pollute waters, except as may be expressly provided by EPL 12559.</p> <p>The <i>Protection of the Environment Operations Act 1997</i> defines "waters" as:</p> <p>"waters" means the whole or any part of--</p> <p>(a) any river, stream, lake, lagoon, swamp, wetlands, unconfined surface water, natural or artificial watercourse, dam or tidal waters (including the sea), or</p> <p>(b) any water stored in artificial works, any water in water mains, water pipes or water channels, or any underground or artesian water.</p>	Non-compliant	NC9

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
		<ul style="list-style-type: none"> RASP Mine Incident Response Soil Investigation letter (draft, issued on 23 December 2022 by EMM Consultants), in relation to Incident INX Nos. 7687, 8036 and 8370 EPL 12559, licence version date 28 March 2023, issued under section 55 of the <i>Protection of the Environment Operations Act 1997</i> 	<p>BHOP's Site Water Management Plan (SWMP) issued on 25 June 2019, acknowledges that a primary objective of the SWMP is to comply with section 120 of the <i>Protection of the Environment Operations Act 1997</i>.</p> <p>It was stated that during rainfall, surface water management at the Rasp Mine involves the diversion of surface runoff into either the S49 Ryan Street Dam or the Horwood Dam.</p> <p>It was stated that the waterway/creek with environmental value which is nearest to the Rasp Mine is Stephens Creek (located 18 km to the east of Broken Hill). No surface runoff from the Rasp Mine is known to drain into or reach Stephens Creek.</p> <p>The following off-site releases of contaminated water occurred during the audit period:</p> <ul style="list-style-type: none"> an off-site seepage of contaminated water from the S49 Ryan Street Dam which commenced on 10 March 2022 (in the previous audit period) and continued after extreme rainfall events on 16 March 2022 (72.4mm) and 26-27 April 2022 (54.8mm) (INX No. 7687); off-site seepage of contaminated water from the S14 House Dam on 28 April 2022 which occurred after a heavy overnight rainfall event of 54.8mm on 26-27 April 2022 (INX No. 7846); off-site seepage of contaminated water on 30 July 2022 from a failed join in the discharge pipe for the Mill Overflow Pond (INX No. 8036); an off-site release of oil-contaminated water from a redundant fuel tank at the Stores lot on 31 October 2022 (INX No. 8370); and 		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<ul style="list-style-type: none"> an off-site release of tailings from a flow pathway in the TSF2 embankment on 24 December 2022 (INX No. 8536). <p>Of the above incidents, BHOP self-reported incident INX Nos. 8036 and 8536 against this condition (in addition to Schedule 2, Condition 1).</p> <p>Based on an assessment of BHOP's records of the above incidents (refer to Section 4.10 of this audit period for more details), the Auditors consider that incident INX Nos. 7687 and 7846 also resulted in pollution of "waters" because these off-site releases occurred after extreme/heavy rainfall events in Broken Hill.</p> <p>Non-compliance No. 9</p> <p>Four of the environmental incidents which occurred during the audit period (INX Nos. 7687, 7846, 8036 and 8536) are evidence that on infrequent occasions, BHOP has temporarily polluted "waters" as defined in the <i>Protection of the Environment Operations Act 1997</i> (i.e. polluted any water which may have existed in drainage channels in the vicinity of the Rasp Mine during the occurrence of these incidents, prior to BHOP's clean-up of these channels).</p> <p>Recommendation No. 9</p> <p>BHOP should implement all reasonable and feasible measures to control and prevent off-site releases of contaminated water.</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
Condition 22	<p>Soil and Water – Water Supply</p> <p>The Proponent shall ensure that it has sufficient water for all stages of the project, and if necessary, adjust the scale of mining operations to match its water supply.</p> <p><i>Note: The Proponent is required to obtain the necessary water licences for the project under the Water Act 1912 and/or Water Management Act 2000.</i></p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Annual Review 2022 (Revised) Site Water Management Plan (BHO-PLN-ENV-004, Revision 2, issued 25 June 2019) 	<p>It was stated that during the audit period, operations at the Rasp Mine were not modified or suspended due to a lack of available water for processing and related activities.</p> <p>Flow meters were installed on site in the second half of 2022, and comprise two extraction meters and two additional meters on four different lines (i.e. two 'in' and two 'out').</p> <p>As of July 2023, BHOP receives a daily report from three of these flow meters, namely the two extraction meters and the one meter that goes back underground (the one meter which goes to the mill is not reported).</p> <p>Section 6 and Figure 4 in the Site Water Management Plan describe the Site Water Balance. Section 6 states (in part): "The primary user of water on site is the Processing Plant and underground mining operations."</p> <p>The Rasp Mine utilises raw water within its washdown bays, fire hydrants etc. Raw water used by the operation is currently sourced from the Murray-Darling River.</p> <p>Potable water, utilising a second pipeline and chlorination processes, is sourced from the Murray-Darling River. Raw water and potable water are on separate meters.</p> <p>Water use at the Rasp Mine in 2022 was reported in section 6 of the Annual Review 2022 (Revised) as follows:</p> <p>"Raw water used during the period was 295.9ML, a decrease from 337.1ML used in 2021, likely due to the heavy rainfall in 2022 providing useable water stocks for operations.</p>	Compliant	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>Potable water used during the period was 9.3 ML, decreased from 13.4 ML used in the previous period due to an increase in personnel and contractors.</p> <p>BHOP has a water extraction licence, 85BL256102, to extract by active pumping 370ML pa. In the reporting period, approximately 587 ML was extracted and 96 ML returned to Underground for a Net Extraction 491 MLpa. Higher than average rainfall was received in 2022 and in order to maintain capacity in surface water storages much of the collected water was returned underground using portable, unmetered pumps. As this raised water levels underground the water had to be pumped back to surface as required so there was a recirculation of water between surface and underground which may account for the elevated rate of extraction.”</p> <p>As of July 2023, BHOP utilises underground water that is dewatered and pumped to the lined S22 Dam (Loch Ness). At the S22 Dam, the water is clarified for the removal of suspended sediment and is then utilised around the operation for relevant mining, processing and related activities.</p> <p>The spraying of on-site haul roads uses either recycled water (from S22 Dam) or raw water.</p> <p>It was stated that for dust mitigation, TSF2 will be sprayed with mine water from the new (Shark) tank once the necessary pipework has been fully installed (i.e. the required pipework was on site as of July 2023 but not yet installed).</p> <p>There was no evidence during this July 2023 audit that insufficient water exists for all aspects of mining, processing and related activities.</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
Condition 23	<p>Soil and Water – Water Management Plan</p> <p>The Proponent shall prepare and implement a Water Management Plan for the project to the satisfaction of the Secretary. This plan must be consistent with the Stormwater Management Plan presented as Annexure K to the EA, incorporate any changes to reflect the final detailed design of the project, and be prepared in consultation with EPA, DPE Water and RR. The plan must be submitted to the Secretary for approval by the end of June 2011, and must include:</p> <p>(a) a Site Water Balance, which must:</p> <ul style="list-style-type: none"> • include details of: <ul style="list-style-type: none"> ○ sources and security of water supply; ○ methods to monitor, measure and manage reporting on water take (exempt and licensable); ○ water use on site; ○ water management on site; ○ any off-site water transfers; and • investigate and implement all reasonable and feasible measures to minimise water use by the project; <p>(b) an Erosion and Sediment Control Plan, which must:</p> <ul style="list-style-type: none"> • identify activities that could cause soil erosion, generate sediment or affect flooding; • describe measures to minimise soil erosion and the potential for transport of sediment to downstream waters, and manage flood risk; • describe the location, function and capacity of erosion and sediment control structures and flood management structures; and • describe what measures would be implemented to maintain the structures over time; 	<ul style="list-style-type: none"> • Audit interview (Senior Environmental Advisor) • EMM Consultants letter dated 8 November 2022 (Appendix D – Surface Water Assessment in Modification 10 Report) – section 4.2 – Environmental Containment Freeboard • Blackwood’s Pit TSF Operations and Maintenance Plan (BHO-PLN-MET-004, Revision 3, issued 3 March 2023) • Blackwood Pit TSF Daily Inspection Checklist (BHO-CKL-MET-022, Revision 4, issued 20 January 2023) – sample completed checklists dated 1 April 2023 and 7 July 2023 • Site Water Monitoring Procedure (BHO-ENV-PRO-011, Revision 1, issued 29 June 2023) • Ryan Street Dam (S49) Water Quality Assessment (Revision 0, issued 8 June 2023 by WSP Consultants) • Rasp Mine – Surface water management review (Revision 0, issued 9 June 2023 by WSP Consultants) 	<p>As of July 2023, BHOP’s current Site Water Management Plan (SWMP) (BHO-PLN-ENV-004) is Revision No. 2, issued on 25 June 2019.</p> <p>Observation No. 28 – BHOP should rectify the inconsistent Doc ID in the header of the Site Water Management Plan, which changes from “BHO-PLN-ENV-006” in pages 1 to 18, to “BHO-PLN-ENV-004” in pages 19 to 48.</p> <p>Section 1.5 of the SWMP states that the SWMP was prepared in consultation with the Department of Industry – Water, the EPA and the Resources Regulator. The Auditors consider that the requirement for submission of the SWMP to the Secretary for approval by the end of June 2011 does not apply to subsequent revisions of the SWMP.</p> <p>During this July 2023 audit, there was evidence that BHOP is implementing the SWMP, including the following measures:</p> <ul style="list-style-type: none"> • use of a Site Water Monitoring Procedure (BHO-PRO-ENV-011), referred to in section 1.6 of the SWMP – the Auditors sighted a MonitorPro screenshot record of water sampling conducted at five locations on 11 May 2023; • surface water and groundwater monitoring results provided in Monthly Environment Monitoring Reports available on the CBH website; and • surface water and groundwater monitoring results provided in Annual Reviews). 	Non-compliant	NC10

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
	<p>(c) a Surface Water Management Plan, which must include:</p> <ul style="list-style-type: none"> detailed baseline data on surface water flows and quality in creeks and other waterbodies that could potentially be affected by the project; surface water and stream health impact assessment criteria including trigger levels for investigating any potentially adverse surface water impacts; a program to monitor and assess: <ul style="list-style-type: none"> surface water flows and quality; impacts on water users; stream health; channel stability; and detail relocated and additional water management infrastructure required by Modification 6 including the boxcut, water storage S37, the TSF3 and “free areas”. <p>(d) a Groundwater Monitoring Program, which must:</p> <ul style="list-style-type: none"> provide a program to monitor seepage movement within and adjacent to all tailings storage facilities (the TSF1, TSF2 and TSF3); include details of parameters and pollutants to be monitored for: <ul style="list-style-type: none"> water from mine dewatering; groundwater locations to the east of TSF1; surface water represented by Horwood Dam; water captured by the toe drains of the tailings storage facility; water seepage from the tailings storage facility; and the background local groundwater system. outline performance parameters against monitoring data will be compared to 	<ul style="list-style-type: none"> MonitorPro screenshot record of water sampling at five locations (UG, Shaft 7, TSF2, Spillway and Eyre St) conducted on 11 May 2023 	<p>Observation No. 29 – In the next revision of the Site Water Management Plan, BHOP could include the new stormwater collection pond to the north of TSF2 Embankment 2 which was constructed during the previous audit period, with design storage details and possibly an ARI assigned.</p> <p>In relation to the paragraphs of this condition:</p> <p>(a) The SWMP includes a ‘Water Balance’ in section 6 and Figure 4. The Site Water Balance:</p> <ul style="list-style-type: none"> includes details of: <ul style="list-style-type: none"> sources and security of water supply (sections 5 and 6, and Figure 4); methods to monitor, measure and manage reporting on water take (exempt and licensable) – section 6 refers to, “Installation of flow metres [sic] to monitor water usage” – refer to observation below; <p>Observation No. 30 – In the next revision of the Site Water Management Plan, BHOP should include additional content in the “Water Balance” section which describes methods to monitor, measure and manager reporting on water take (exempt and licensable).</p> <ul style="list-style-type: none"> water use on site (sections 5 and 6, and Figure 4); water management on site (sections 1.4, 5, 6 and 10); any off-site water transfers (sections 5.4 and 6); and <ul style="list-style-type: none"> investigates and implements all reasonable and feasible measures to minimise water use by the project (section 6). 		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
	<p>determine whether seepage is occurring, and whether an unacceptable impact on local groundwater may be occurring;</p> <ul style="list-style-type: none"> include details of contingency measures to be implemented in the event that an unacceptable impact is identified. 		<p>(b) The SWMP includes section 9, headed “Erosion and Sediment Control” (which for the purpose of assessing compliance against this condition is considered to be an Erosion and Sediment Control Plan), and which:</p> <ul style="list-style-type: none"> identifies activities that could cause soil erosion, generate sediment or affect flooding (section 9 introduction); describes measures to minimise soil erosion and the potential for transport of sediment to downstream waters, and manage flood risk (sections 1.4, 9.1, 9.2 and 9.3); describes the location, function and capacity of erosion and sediment control structures and flood management structures (Figure 1, and Tables 5 and 6); and describes what measures would be implemented to maintain the structures over time (sections 9.1, 9.2 and 9.3). <p>(c) The SWMP includes section 8, headed “Surface Water Monitoring” (which for the purpose of assessing compliance against this condition is considered to be a Surface Water Management Plan), and which includes:</p> <ul style="list-style-type: none"> detailed baseline data on surface water flows and quality in creeks and other waterbodies that could potentially be affected by the project – refer to non-compliance below; surface water and stream health impact assessment criteria including trigger levels for investigating any potentially adverse surface water impacts – refer to non-compliance below; a program to monitor and assess: <ul style="list-style-type: none"> surface water flows and quality (sections 8.1, 8.2 and 8.3); 		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<ul style="list-style-type: none"> o impacts on water users – refer to non-compliance below; o stream health – (section 8.2); and o channel stability (section 9 – Erosion and Sediment Control). • detail relocated and additional water management infrastructure required by Modification 6 including the boxcut, water storage S37, the TSF3 and “free areas” – section (not included – refer to non-compliance below). <p>(d) The SWMP includes a Groundwater Monitoring Program which:</p> <ul style="list-style-type: none"> • provides a program to monitor seepage movement within and adjacent to all tailings storage facilities (the TSF1, TSF2 and TSF3) (section 7.1, Table 7 refers to monitoring of seepage from TSF1 and TSF2, but not TSF3 which has not been commissioned as of July 2023 – refer to observation below); <p>Observation No. 31 – In the next revision of the Site Water Management Plan, BHOP should include additional content in the “Seepage movement monitoring” section regarding a program to monitor seepage movement within and adjacent to TSF3.</p> <ul style="list-style-type: none"> • includes details of parameters and pollutants to be monitored for: <ul style="list-style-type: none"> o water from mine dewatering (section 7.1); o groundwater locations to the east of TSF1 (section 7.1); o surface water represented by Horwood Dam (section 7.1); o water captured by the toe drains of the tailings storage facility (section 7.1); 		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<ul style="list-style-type: none"> o water seepage from the tailings storage facility (section 7.1); and o the background local groundwater system (sections 7.2 and 7.3.1). • outlines performance parameters against monitoring data which will be compared to determine whether seepage is occurring, and whether an unacceptable impact on local groundwater may be occurring (section 7.2); • includes details of contingency measures to be implemented in the event that an unacceptable impact is identified (sections 7.3 and 10). <p>The Auditors noted differences in terminology between the “Membrane inspection” row in Table 7 of the Blackwood’s Pit TSF Operations and Maintenance Plan (BHO-PLN-MET-004) which refers to a daily visual inspection, and Item 1(i) in the Blackwood Pit TSF Daily Inspection Checklist (BHO-CKL-MET-022) which refers to “Geo-membrane (if present) failure”.</p> <p>Observation No. 32 – In the Blackwood’s Pit TSF Operations and Maintenance Plan (BHO-PLN-MET-004), BHOP could review:</p> <ul style="list-style-type: none"> • section 6.6.1 which currently does not refer to daily membrane inspections (as referred to in Table 7), and • section 6.6.2 which currently refers to ‘weekly’ geomembrane inspections. <p>Non-compliance No. 10</p> <p>In relation to paragraph (c) of this condition:</p> <ul style="list-style-type: none"> • The June 2019 Site Water Management Plan (SWMP) does not include the required baseline data on surface water flows and quality in creeks and other waterbodies that could potentially be affected by the project. 		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>Section 3.3 presents local temperature and rainfall data, but does not relate this data to the potential quantity or quality of surface water flows at the two off-site monitoring locations (i.e. upstream of Acacia Creek, and within Stephens Creek) referred to in section 8.2 (EPL monitoring points 35 and 36). It is noted that section 12.5 of the previous SWMP (Golder Associates, dated 30 April 2012, report number 097626108-007-R-Rev11) states that “catchment water quality is expected to contain concentrations of lead and other heavy metals above the conventional water quality guideline limits...”;</p> <ul style="list-style-type: none"> • The SWMP does not include surface water and stream health impact assessment criteria including trigger levels for investigating any potentially adverse surface water impacts. Section 8.4 describes contingency measures (pumping to lower the water level in Horwood Dam) if the measured water quality in Horwood Dam is considered to be a risk to the receiving environment (such as the downstream creek and Stephens Creek Reservoir), and section 10 includes a surface water quality TARP, with trigger levels referable to groundwater water quality results in August 2011 at Shaft 7. However, sections 8.4 and 10 do not define impact assessment criteria at the two off-site monitoring locations referred to in section 8.2; • The SWMP does not identify whether there are potential impacts of surface water flows from the site, on off-site water users, and if potential impacts are identified, include a program to monitor and assess those potential impacts. It is noted that Section 12.1 of the previous Site Water Management Plan (dated 30 April 2012, Golder Associates, report number 097626108-007-R-Rev11) stated: “It 		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>is predicted that overflows during extreme rainfall events greater than the 1 in 100 year storm event, will not directly affect the hydrology of the local catchment.”; and</p> <ul style="list-style-type: none"> The SWMP does not include details of relocated and additional water management infrastructure required by Modification 6 including the boxcut, water storage S37, the TSF3 and “free areas”. <p>Recommendation No. 10</p> <p>In the next revision of the Site Water Management Plan, BHOP should include additional content which addresses the requirements in paragraph (c) of this condition.</p> <p>Observation No. 33 – BHOP could potentially include information in sections 3.1 (Water quality data), 3.2 (Water quality guidelines) and 3.3 (Background water quality) of the “Ryan Street Dam (S49) Water Quality Assessment” (Revision 0, issued by WSP on 8 June 2023) as baseline data in the Site Water Management Plan to help satisfy the detailed baseline data requirement in paragraph (c) of this condition.</p>		
Condition 24	<p>Transport</p> <p>The Proponent shall maintain the existing 66 carparking spaces, or an equivalent number elsewhere on the site, for the duration of the project.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Aerial image of site (Google Maps) 	<p>BHOP maintains a suitable carpark for employees and contractors, inclusive of an overflow carpark. The number of car spaces across these two carparks is at least 92 car spaces.</p> <p>The carparking area is visible on Google Maps.</p>	Compliant	
Condition 25	<p>Transport</p> <p>The Proponent shall consult with the TfNSW and Council in relation to the footpath modifications required at the Eyre Street site access and shall address the design requirements of those agencies in relation to those works. All footpath works shall be completed prior to the</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) 	<p>As noted in the March 2022 audit report, BHOP received a letter dated 3 September 2012 from Broken Hill City Council regarding the completion of works for 130 Eyre Street.</p>	Compliant	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
	commencement of operation of the project, and shall be undertaken at no cost to the TfNSW or Council.		This letter confirmed that these works were completed and complied with all relevant standards and Council requirements. It was stated that in the past few months to July 2023, Broken Hill City Council repaired the footpath on Eyre Street at the front of the site.		
Condition 26	Transport A truck waiting area with capacity to accommodate at least two B-Double vehicles at any time shall be provided inside the Eyre Street site access to avoid trucks queuing into Eyre Street.	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Aerial image of site (Google Maps) 	BHOP maintains a suitable truck waiting area with capacity to accommodate at least two B-Double vehicles at any time inside the Eyre Street site access. The truck waiting area is visible on Google Maps.	Compliant	
Condition 27	Transport If the Holten Road site access is required during construction of the project, the Proponent shall, prior to using this access, consult with and address the requirements of the TfNSW and Council with respect to traffic access at this location.	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) 	It was stated that the Holten Road gate is padlocked and that the key for the padlock is kept in the BHOP Emergency Services Office. It was also stated that during the audit period, the Holten Road site access point has not been used for inbound or outbound traffic at the Rasp Mine. It was stated that all vehicle access for the current Mod 6 and Mod 10 works, is via the front site entrance at 130 Eyre Street, Broken Hill.	Compliant	
Condition 28	Transport The Proponent shall commission dilapidation reports for roads likely to be affected by the construction of the project, prior to the commencement of construction and immediately prior to completion of construction. The Proponent shall fund rectification of any deterioration of road pavement quality as a result of construction-related traffic.	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) 	It was stated that since 2015, BHOP has not commissioned any additional dilapidation reports for roads likely to be affected by any scheduled construction project (i.e. prior to the commencement of construction and immediately after completion of any construction).	Compliant	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
Condition 28A	<p>Transport</p> <p>The Proponent must enter into a Deed of Agreement with the TfNSW for the protection and management of South Road, to the satisfaction of the TfNSW, prior to the commencement of production blasting in Block 7.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) 	<p>As noted in the March 2022 audit report, a Deed of Agreement (in relation to road infrastructure affected by the Rasp Mine Extension) was entered into with the RMS (undated, but likely to be circa June 2015), prior to the commencement of production blasting in Block 7.</p> <p>It was stated that during the audit period, BHOP has not received any external complaints regarding the condition of South Road, and has not been contacted by TfNSW regarding the condition of South Road.</p>	Compliant	
Condition 29	<p>Transport – Traffic Management Plan</p> <p>The Proponent shall prepare and implement a traffic management plan to the satisfaction of the Secretary. The plan shall focus on traffic management during construction of the project, and must be developed in consultation with the TfNSW and Council. The plan must be submitted for the approval of the Secretary prior to the commencement of construction.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Principal Hazard Management Plan – Roads or other Vehicle Operating Areas (BHO-PLN-SAF-004, Revision 5, issued 12 December 2021) 	<p>The Auditors consider that this condition relates to original construction and ongoing construction of the Rasp Project (e.g. Mod 6 and Mod 10 works).</p> <p>It was stated that BHOP's former Traffic Management Plan (TMP) dated 20 July 2011, prepared by service provider, GR Engineering Services, was removed from circulation during the audit period and is no longer in use. As of July 2023, the former TMP is no longer available on the CBH website.</p> <p>It was stated that BHOP's current Safety Principal Hazard Management Plan – Roads or other Vehicle Operating Areas is the closest substitute for the former TMP. The scope of this Plan is limited to on-site traffic movements.</p> <p>This Plan was not prepared in consultation with TfNSW and Broken Hill City Council, and it was not submitted to the Secretary for approval prior to the commencement of Mod 6 and Mod 10 works which commenced during the audit period.</p>	Non-compliant	NC11

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>Non-compliance No. 11</p> <p>As of July 2023, BHOP's Principal Hazard Management Plan – Roads or other Vehicle Operating Areas (BHO-PLN-SAF-004, Revision 5, issued 12 December 2021), has not been prepared in consultation with TfNSW and Broken Hill City Council, and has not been submitted to the Secretary for approval prior to the Mod 6 and Mod 10 works which commenced during the audit period.</p> <p>Recommendation No. 11</p> <p>In consultation with TfNSW and Broken Hill City Council, BHOP could either:</p> <ul style="list-style-type: none"> • revise the Principal Hazard Management Plan – Roads or other Vehicle Operating Areas (BHO-PLN-SAF-004, Revision 5, issued 12 December 2021) to include measures to manage potential off-site impacts of on-site and off-site traffic movements, and then submit the revised Plan to the Secretary for approval; or • revise the former Traffic Management Plan (GR Engineering Services, 20 July 2011) to reflect current operations and construction activities, and then submit the revised Plan to the Secretary for approval. 		
Condition 30	<p>Heritage</p> <p>The Proponent shall prepare and implement a Conservation Management Plan for the site to the satisfaction of the Secretary. This plan must provide a strategic framework for all heritage items located on the Lease, based on the principles of the Burra Charter, and developed in consultation with the Heritage NSW and Council. The plan must be submitted for the approval of the Secretary by December 2011.</p>	<ul style="list-style-type: none"> • Audit interview (Senior Environmental Advisor) • Site inspection – Photo 26 (see Appendix F) • Annual Review 2022 (Revised) – Sections 5.16 and 5.17 	<p>The November 2012 audit report of the Rasp Project (issued by Graham A. Brown & Associates) includes the following commentary regarding BHOP's compliance with this condition:</p> <p>“The draft Conservation Management Plan was prepared by Austral Archaeology Pty Ltd in November 2011. It is still in progress and currently in discussions with DoPI. An extension to the end of December 2012 was sought and agreed.”</p>	Compliant	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>BHOP's current 'draft' Conservation Management Plan (draft CMP) was developed by external consultant, GML Heritage, and issued to BHOP in September 2015. As of July 2023, the draft CMP remains issued as a 'draft' version, and is not available on the CBH website.</p> <p>The Auditors consider that the requirement to submit a Conservation Management Plan for the approval of the Secretary by December 2011 does not apply to this draft CMP, because BHOP submitted a previous Conservation Management Plan to the then DoPI in November 2011 (as noted in the November 2012 audit report referred to above).</p> <p>The Auditors consider that the draft CMP provides a strategic framework for all heritage items located on the lease.</p> <p>In site inspections during this July 2023 audit, the observed building heritage items on site appeared to be unharmed by mining operations and related activities (see Photo 26).</p> <p>It was stated that BHOP maintains a register of all heritage items on the Rasp Mine site.</p> <p>Section 5.16 (Indigenous Heritage) in the Annual Review 2022 (Revised) states: "There are no known significant indigenous sites within CML7."</p> <p>Section 5.17 (Natural and Social Heritage) in the Annual Review 2022 (Revised) states: "The Conservation Management Strategy draft has been developed however cannot be finalised until the Line-of-Lode Interagency Panel provides advice.</p> <p>An Options Analysis Study for mine closure has been developed along with recommendations for rehabilitation methods."</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>Observation No. 34 – EMM Consultants has prepared a revised Heritage Management Plan, which is in 'draft' form as of July 2023. After consultation with Heritage NSW and Broken Hill City Council and when the Heritage Management Plan is finalised, BHOP should submit the Plan to the Secretary for approval.</p>		
Condition 30A	<p>Heritage</p> <p>If any unexpected heritage items are identified over the life of the project, the Proponent must cease works and contact the Heritage NSW in writing prior to works continuing in the affected areas.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Rasp Mine General Induction (V2.04) – Section 13.3 Email correspondence between BHOP and EMM Consultants, commencing on 7 September 2022 and ending on 12 October 2022 	<p>Section 13.3 (Key Environmental Issues) of BHOP's Rasp Mine General Induction includes a slide on "Management of Heritage Items", which refers to "Always using the Permit to Dig process" and "Reporting all potential heritage finds".</p> <p>It was stated that during the audit period, there have been no unexpected heritage items identified at the Rasp Mine. As a result, BHOP has not been required to contact Heritage NSW in this regard.</p> <p>The Auditors noted that during the audit period, BHOP's Senior Environmental Advisor contacted EMM Consultants (via email of 7 September 2022) regarding the uncovering of items (including a concrete and stone wall) during haul road preparation at TSF2 for the Mod 6 project. EMM replied by email of 7 September 2022 to advise that until the status of the 'wall' is determined (i.e. if the wall is a "relic" as defined under the Heritage Act 1977), it "has to remain in situ". Via email of 12 October 2022, EMM advised (in part):</p> <p>"While it has some interest as a former materials bin, as it is ex-situ, it won't reach the threshold for being a relic (unless there is a lot more to it under the surface), so it not a notifiable feature."</p> <p>It was stated that the EMM scope of work in relation to the Heritage Management Plan includes cataloguing of heritage items.</p>	Compliant	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			As of July 2023, the most recent archeology survey and report at the site was completed in 2012 by Austral Archaeology (i.e. presented as heritage inventory forms within the draft September 2015 Conservation Management Plan developed by external consultant, GML Heritage).		
Condition 31	<p>Visual Amenity</p> <p>The Proponent shall:</p> <p>(a) minimise the visual impacts, and particularly the off-site lighting impacts, of the project;</p> <p>(b) take all practicable measures to further mitigate off-site lighting impacts from the project; and</p> <p>(c) ensure that all external lighting associated with the project complies with <i>Australian Standard AS4282 (INT) 1995 - Control of Obtrusive Effects of Outdoor Lighting</i>, or its latest version, to the satisfaction of the Secretary.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Modification Report (MOD6) Kintore Pit TSF3 (issued by BHOP, August 2021) – Section 8.11 Rasp Mine Modification 10 Modification Report (V2, issued on 8 November 2022 by EMM Consultants) – Section 6.5.1 Annual Review 2022 (Revised) – Section 5.15 	<p>It was stated that the visual impacts of the Rasp Project have been authorised under the Project Approval and modifications of the Project Approval.</p> <p>Section 8.11 of BHOP's "Modification Report (MOD6) Kintore Pit TSF3" states (in part) that:</p> <p>"The height of the Kintore Pit when filled would not rise above the surrounding mining landform. There are no visual amenity impacts anticipated with MOD6 works."</p> <p>In Section 6.5.1 of the "Rasp Mine Modification 10 Modification Report", EMM Consultants conclude that:</p> <p>"The visual impacts of the proposed modification are not considered to be significant as the temporary stockpile will blend in with other site features."</p> <p>Section 5.15 (Visual, Stray Light) in the Annual Review 2022 (Revised) states that:</p> <p>"Light towers around machinery, where practicable, are designed to face light away from residents.</p> <p>There were no light complaints for the reporting period."</p> <p>It was stated that since the commencement of mining and processing operations in 2012, there have been no lighting-related complaints received by BHOP from any external stakeholders.</p>	Compliant	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			BHOP “Contact Us” details are available on the CBH website for any concerns that may be raised by members of the public, inclusive of any concerns relating to lighting used on site at night.		
Condition 32	<p>Waste</p> <p>The Proponent shall:</p> <p>(a) minimise the waste generated by the project; and</p> <p>(b) ensure that the waste generated by the project is appropriately stored, handled, and disposed of, to the satisfaction of the Secretary.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Site inspection – Photos 27 to 30 (see Appendix F) Annual Review 2022 (Revised) – Section 5.10 Waste Management Plan (BHO-PLN-ENV-005, Revision 2, issued 28 April 2023) Waste Rock Management Plan (BHO-PLN-ENV-014, Revision 1, issued 9 February 2023) 	<p>The largest waste streams (by volume) generated by the Rasp Project are waste rock and tailings.</p> <p>It was stated that some waste rock was used as capping (approximately 1 metre depth) in the TSF2 embankment lifts, and is intended to be used as capping on TSF2 after the end of use of TSF2 for tailings.</p> <p>It was stated that concrete waste is deposited underground.</p> <p>Waste oils, waste grease, hydrocarbon contaminated rags, and waste oil filters, are removed by a contractor, Cleanaway.</p> <p>Waste batteries are temporarily stored on-site and are removed off site for recycling by a contractor, Broken Hill Skip Bins.</p> <p>It was stated that used heavy vehicle tyres are used for demarcation of haul and access roads around the site, or removed off-site. During the audit period, approximately 10 heavy vehicle tyres were removed from site by a contractor, Flatout. Used light vehicle tyres are also removed off site to commercial providers (e.g. Flatout) that manage this waste stream.</p> <p>It was stated that a glass/plastic bottle and aluminum/steel can recycler exists in Broken Hill, which BHOP utilises (Mining Crews 2 and 4).</p> <p>Some waste cardboard and paper is segregated and transported to Broken Hill City Council facilities for recycling.</p>	Non-compliant	NC12

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>Septic waste from the site is collected by a contractor (i.e. Silver Sweep) and transported to the Broken Hill City Council Sewerage Treatment Plant.</p> <p>Licensed waste contractors that remove hazardous waste off-site (Cleanaway) utilise the EPA on-line waste tracking process and define the relevant electronic EPA tracking numbers on the submitted service reports/invoices.</p> <p>Non-mineral waste disposal quantities for various waste streams are recorded and reported in Annual Reviews. For example, Table 5-14 (Non-mineral Waste Summary for reporting period) in Section 5.10 of the Annual Review 2022 (Revised), reports that in the 2022 calendar year:</p> <ul style="list-style-type: none"> • 22,000 litres of oil was disposed; • 137.55 tonnes of scrap metal was disposed; and • 228.67 tonnes of waste went to landfill. <p>As of July 2023, BHOP has not developed a formal program to proactively review, identify and implement programs to minimise waste going to landfill and to measure the volume/quantity of waste being recycled.</p> <p>Observation No. 35 – To complement section 3.5 of the Waste Management Plan, BHOP could develop a program to identify and implement measures to increase the quantity of waste that is managed further up the waste hierarchy than the lowest level of 'disposal' (Figure 2-1 in the Waste Management Plan).</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>Section 3.9 (Improvement Opportunities) of the Waste Management Plan refers to relatively minor impact options which BHOP “is investigating” to reduce the amount of waste it is sending to landfill. However, no actions have been implemented as of July 2023.</p> <p>The Annual Review 2022 (Revised) does not report on any waste minimisation measures being implemented at the Rasp Mine. For example, there are no details relating to the types and amounts of non-mineral waste that were recycled.</p> <p>Non-compliance No. 12</p> <p>BHOP has not implemented any formal program during the audit period to minimise the amount of non-mineral waste generated by the Rasp Project.</p> <p>Recommendation No. 12</p> <p>BHOP could prepare a program (i.e. with measures, responsibilities, targets and timeframes) to minimise the amount of non-mineral waste generated by the Rasp Project, and report on the status of implementation of the program in Annual Reviews.</p> <p>In site inspections during this July 2023 audit, the Auditors observed a small number of used batteries in the laydown area instead of the allocated waste battery IBC next to the workshop (see Photo 27), and many examples of poor waste segregation practices around the workshop area (see Photos 28, 29 and 30).</p> <p>Observation No. 36 – BHOP workshop personnel could improve waste segregation practices.</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			Observation No. 37 – BHOP could ensure that intermediate bulk containers (IBCs) utilised for the storage of hydrocarbon-contaminated waste are full prior to their transport off-site, to prevent contractor fees being incurred for removal of partially filled IBCs.		
Condition 33	<p>Waste</p> <p>The Proponent shall prepare and implement a Waste Management Plan for the project to the satisfaction of the Secretary. This plan must:</p> <p>(a) be prepared in consultation with RR, and submitted the Secretary for approval by the end of March 2011; <i>[Auditor's Note – The word "to" is missing from paragraph (a).]</i></p> <p>(b) identify the various waste streams of the project;</p> <p>(c) estimate the volumes of tailings and other waste material that would be generated by the project;</p> <p>(d) describe and justify the proposed strategy for disposing of this waste material;</p> <p>(e) describe what measures would be implemented to meet the requirements set out above in condition 32; and</p> <p>(f) include a program to monitor the effectiveness of these measures.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Waste Management Plan (BHO-PLN-ENV-005, Revision 2, issued 28 April 2023) Waste Rock Management Plan (BHO-PLN-ENV-014, Revision 1, issued 9 February 2023) 	<p>As of July 2023, BHOP's current Waste Management Plan (WMP) (BHO-PLN-ENV-005) is Revision 5, issued 28 April 2023.</p> <p>During the audit period, BHOP also prepared a Waste Rock Management Plan (WRMP) (BHO-PLN-ENV-014), Revision 1, issued 9 February 2023. The WRMP is also called the "Waste Rock Management Strategy (WRMS)" and is required by the Resources Regulator.</p> <p>Section 1.3 of the WRMP states: "The key aim of the WRMS was to adequately address the requirements of the New South Wales Resources Regulator regarding the geochemical characterisation and management of waste material (predominantly waste rock) at Rasp Mine."</p> <p>The Auditors consider that the WMP and WRMP together constitute the Waste Management Plan required by this condition. As of July 2023, the WRMP is not available on the CBH website.</p> <p>In site inspections during this July 2023 audit, there was evidence that BHOP is implementing the Waste Management Plan required by this condition, including the following measures:</p> <ul style="list-style-type: none"> tailings were being deposited into TSF2; bunded areas were in use for the storage of hydrocarbon waste; and waste was generally well segregated in all observed areas of the site apart from the workshop area. 	Non-compliant	NC13

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>In relation to the paragraphs of this condition:</p> <p>(a) It is considered that the requirement for submission of the Waste Management Plan to the Secretary for approval by the end of March 2011 does not apply to subsequent revisions of the Waste Management Plan.</p> <p>(b) The WMP identifies the various waste streams of the project (section 3.2 with sub-sections describing streams of mineral waste, and sections 3.3 and 3.4 describing streams of non-mineral waste).</p> <p>(c) The WMP estimates the volumes of tailings and other waste material that would be generated by the project as follows:</p> <ul style="list-style-type: none"> • in section 3.2.3 of the WMP, Table 3-3 summarises proposed (under EA) and actual placement of waste rock and tailings, from 2012 to the most recent period from May – December 2022 – refer to observation below; • section 3.2.2 estimates waste rock volumes; and • section 3.2.10 estimates the volume of concrete waste as approximately 1 m³ per day. <p>Observation No. 38 – BHOP could revise section 3.2.3 of the Waste Management Plan to:</p> <ul style="list-style-type: none"> • include predicted “surface tailings volume” and “cumulative tailings volume”, for the remaining life of mine (i.e. which as of March 2022, is until 31 December 2026); and • update Table 3-2 with post-2016 data regarding “actual tailings in TSF2”, and “actual total waste rock” and its on-site destination (i.e. in-pit and/or underground). 		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>(d) The WRMP (also called the WRMS) describes a proposed strategy for disposing of mineral waste material, including the carrying out of waste rock characterisation studies (for example, section 4.3.3 refers to the site sampling and analysis plan in Appendix A).</p> <p>(e) The WMP describes the measures that would be implemented to meet the requirements set out in condition 32 (sections 3.2.2 to 3.2.10 inclusive regarding mineral waste, and sections 3.3.1, 3.4 and 3.5 regarding non-mineral waste). Refer to non-compliance below.</p> <p>(f) The WMP includes a program to monitor the effectiveness of these measures as follows:</p> <ul style="list-style-type: none"> • section 3.6 provides for monitoring activities – refer to non-compliance below; and • section 3.7 provides for on-site inspections, and audits of off-site waste facilities every 4 years – refer to non-compliance below; and • section 3.8 provides for training in waste management requirements. <p>Non-compliance No. 13</p> <p>In relation to paragraph (e) of this condition, BHOP was unable to provide evidence that it has implemented 'all' of the measures described in section 3.6 (Monitoring) and section 3.7 (Audits) of the Waste Management Plan. For example:</p> <ul style="list-style-type: none"> • there was no evidence of departmental monthly inspections on waste storage, treatment and disposal (section 3.6); and • there was no evidence of waste management inspections (section 3.7) being documented and retained on file. 		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>Recommendation No. 13</p> <p>BHOP should implement all of the measures described in section 3.6 (Monitoring) and section 3.7 (Audits) of the Waste Management Plan, or revise and reissue the Plan to include feasible measures.</p> <p>Observation No. 39 – Section 3.7 (Audits) of the Waste Management Plan could be amended to include a program of on-site waste management audits (conducted either internally or via an external provider) to identify potential improvements in waste management across the site.</p> <p>Observation No. 40 – BHOP could confirm that it is receiving accurate waste records from the relevant service provider (i.e. recorded weights/receipts from the BHCC landfill weighbridge) for waste that is removed from site and charged by weight.</p>		
Condition 33A	<p>Waste</p> <p>The Proponent must update the Waste Management Plan required by condition 33 of this approval by December 2017, unless the Secretary agrees otherwise. The updated plan must include:</p> <p>(a) a long-term waste management strategy; and</p> <p>(b) an action plan for the implementation of the key measures proposed to achieve the strategy.</p> <p>Following approval, the Proponent must implement the plan.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Waste Management Plan (BHO-PLN-ENV-005, Revision 2, issued 28 April 2023) Waste Rock Management Plan (BHO-PLN-ENV-014, Revision 1, issued 9 February 2023) 	<p>It was stated that BHOP's Waste Management Plan (WMP), issued 28 April 2023, was approved by the nominee of the Secretary.</p> <p><u>Mineral waste (waste rock, tailings and concrete waste)</u></p> <p>Table 3-1 (Long-term waste management options being under investigation) in Section 3.1 of the WMP describes aspects (including Tailings, Stockpiled Waste and Waste Rock Utilisation), methods of investigation and current status of the relevant methods.</p> <p>For example, Table 3-1 states that for the aspect of "Railings", the method of: "A TSF capping and closure methodology involving the use of inert waste rock", had the status of: "Developed and approved in MOD6."</p>	Compliant	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>Section 3.2.9 of the WMP describes the strategies for TSF rehabilitation as follows:</p> <p>“In accordance with the Rehabilitation Management Plan and Rehabilitation Strategy, at the cessation of tailings disposition in TSF2, a final covering of inert waste rock will be placed over the top of the tailings to avoid the potential for dust generation as the tailings stabilise and consolidate. Storm water will be directed away from the TSF cover to minimise water infiltration.”</p> <p>Section 3.2.10 of the WMP identifies concrete wastes that would be generated by the Concrete Batching Plant.</p> <p>Observation No. 41 – BHOP could review Section 3.2.10 of the Waste Management Plan to include information regarding strategies for the management of concrete waste.</p> <p><u>Non-mineral waste</u></p> <p>The WMP includes strategies and actions in relation to non-mineral waste. For example, Section 1.4 (Performance targets) of the WMP states:</p> <p>“BHOP aims to store and dispose of waste in accordance with relevant Australian Standards, legal conditions, and relevant legal obligations, recycle and reuse waste products wherever economical feasible and practicable”.</p> <p>Observation No. 42 – BHOP could review Table 1-1 in Section 1.4 of the Waste Management Plan and consider adding quantifiable Key Performance Indicators (KPIs) to the generally expressed KPIs for relevant Objectives.</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
Condition 34	<p>Rehabilitation – Progressive Rehabilitation</p> <p>The Proponent must rehabilitate the site progressively, that is, as soon as is practicable following disturbance, to the satisfaction of the Secretary.</p>	<ul style="list-style-type: none"> Audit interviews (Senior Environmental Advisor and HSET Manager) Rehabilitation Management Plan (RMP) Rasp Mine (Version V1, issued by EMM Consultants on 2 August 2022) Rehabilitation Management Plan and Strategy (RMPS) Rasp Mine (Version V1, issued by EMM Consultants on 15 September 2022) Modification Report (MOD6) Kintore Pit TSF3 (issued by BHOP, August 2021) 	<p>As of July 2023, the entire lease (CML7) is essentially in a disturbed state. Limited opportunities currently exist at the site to conduct any progressive or final rehabilitation. BHOP's focus to date has been on soil stabilisation and the use of commercially available dust suppressants on disturbed areas to minimise fugitive dust emissions from the site.</p> <p>It was stated that as of July 2023, Little Kintore Pit is being filled with waste rock. These 'rehabilitation' works are expected to be completed in Q3 2023.</p> <p>It was stated that Mt Hebbard is a potential prospective site for waste rock capping trials, and that reshaping of Mt Hebbard is scheduled to occur in Q1 2024 to Q2 2024.</p> <p>It was stated that as of July 2023, there are no trial rehabilitation areas at the Rasp Mine.</p> <p>It was noted that under the Modification 6 report (within the definition of "EA" in the consolidated Project Approval), BHOP is limited in the amount of rehabilitation activities which can be conducted on free areas. Section 8.9.1 of the Modification 6 report states (in part):</p> <p>"All waste rock materials encountered during excavation of the new boxcut are proposed to be stored in-pit. Waste rock material to be used for rehabilitation capping would be sourced from the stockpile in Kintore Pit or from underground development currently planned at 146,000 t per year until 2026 with 16,000 t a year of this material proposed for rehabilitation capping works."</p>	Compliant	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
Condition 34A	<p>Rehabilitation – Rehabilitation Strategy</p> <p>Within 6 months from approval of Modification 6, the Proponent must prepare a Rehabilitation Strategy for the site to the satisfaction of the Secretary. This strategy must:</p> <p>(a) be prepared by a team of suitably qualified and experienced experts whose appointment has been endorsed by the Secretary;</p> <p>(b) be prepared in consultation with relevant stakeholders including the RR, MEG, EPA, NSW Health (Western NSW Local Health District), DPE Water, Heritage NSW, Council and Perilya Broken Hill Limited;</p> <p>(c) define the rehabilitation objectives for and schedule of the mine site and “free areas”, with consideration of heritage values, dust management, water and leachate management, subsidence, visual impacts and public safety;</p> <p>(d) includes a conceptual final landform and rehabilitation plan;</p> <p>(e) include a life of mine rehabilitation and mining schedule which outlines key progressive rehabilitation milestones from the commencement of operations through to decommissioning and mine closure; and</p> <p>(f) managing and minimising any adverse socio-economic effects associated with mine closure.</p> <p>The Proponent must implement the approved Rehabilitation Strategy for the project.</p>	<ul style="list-style-type: none"> Audit interviews (Senior Environmental Advisor and HSET Manager) Rehabilitation Management Plan and Strategy (RMPS) Rasp Mine (Version V1, issued by EMM Consultants on 15 September 2022) Rasp Mine Forward Program (FWP0001164, Friday 7 October 2022 to Monday 6 October 2025) 	<p>During the audit period, BHOP engaged EMM Consultants (Newcastle office) to prepare a Rehabilitation Management Plan and Strategy (i.e. the Rehabilitation Strategy required by this condition) for the Rasp Mine site.</p> <p>Modification 6 was approved on 16 March 2022. The Rehabilitation Management Plan and Strategy (RMPS) was submitted to the Secretary on 15 September 2022 (the Auditors sighted an email receipt), which is within the six month time limit under this condition.</p> <p>The issued version of the RMPS is dated 15 September 2022.</p> <p>In relation to paragraphs (a) to (f) of this condition:</p> <p>(a) Appendix D of the RMPS reproduces a letter dated 9 September 2022 by a nominee of the Planning Secretary, which endorsed the EMM team of four experts;</p> <p>(b) Table 4.2 (Stakeholder consultation) of the RMPS includes the stakeholders referred to in paragraph (b), and Appendix E of the RMPS reproduces stakeholder correspondence during consultation;</p> <p>(c) Table 4.1 (Rehabilitation objectives and rehabilitation completion criteria) and Appendix B of the RMPS consider heritage values, dust management, water and leachate management, subsidence, visual impacts and public safety;</p> <p>(d) Appendix C (Landforms and rehabilitation plans) of the RMPS comprises Final landform features (Plan 1) and Final landform contours (Plan 2);</p>	Compliant	

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>(e) Sections 6.1 and 6.2 of the RMPS respectively include Table 6.1 (Indicative rehabilitation schedule) and Table 6.2 (Indicative life of mining schedule – note: the heading of this table is mislabelled). BHOP's Forward Program (as submitted to the NSW Resources Regulator) includes a "Rehabilitation Schedule" for the three-year period from 7 October 2022 to 6 October 2025; and</p> <p>(f) Section 3.5.9.i of the RMPS discusses socio-economic constraints, and section 3.5.9.ii of the RMPS states (in part) that: "HillPDA Consulting has commenced a preliminary social and economic impact assessment (SEIA) for BHOP to inform a future detail process. ... The outcomes and recommendations from this process will then be used to develop a detailed post mining socio-economic transition plan for the mine."</p> <p>As of July 2023, BHOP's implementation of the RMPS was limited to scheduled works indicated in Table 6.1 including:</p> <ul style="list-style-type: none"> • stockpile waste rock in BHP (use for surface placement and capping) [note: after "BHP", the word "Pit" should be inserted]; • excavate box cut and commence backfill of Little Kintore Pit. <p>Observation No. 43 – BHOP should change the title of Table 6.2 in the Rehabilitation Management Plan Strategy to read: "Indicative life of mine mining schedule", as per the heading and text in Section 6.2 of the Rehabilitation Management Plan Strategy.</p>		

Project Approval 07_0018: Schedule 3 – Environmental Performance Conditions					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
Condition 35	<p>Rehabilitation – Rehabilitation Management Plan</p> <p>The Proponent must prepare and implement a Rehabilitation Management Plan for the project in accordance with the conditions imposed on the mining lease(s) associated with the project under the <i>Mining Act 1992</i>.</p>	<ul style="list-style-type: none"> Audit interviews (Senior Environmental Advisor and HSET Manager) Rehabilitation Management Plan (RMP) Rasp Mine (Version V1, issued by EMM Consultants on 2 August 2022) Mining Operations Plan (MOP) for period from 1 October 2021 to 30 September 2023) – redundant as of 2 July 2022 	<p>Unlike Condition 34A which applies to the RMPS, this condition does not require BHOP to obtain the Secretary's approval of the Rehabilitation Management Plan (RMP).</p> <p>It was stated that the first annual rehabilitation report under the RMP is due for submission to the Resources Regulator by 8 December 2023.</p> <p>Limited information relating to mine site rehabilitation was included in section 5 of BHOP's former Mining Operations Plan, which became redundant on 2 July 2022 (i.e. 12 months after the commencement of amendments to the <i>Mining Regulation 2016</i>) when Schedule 8A of the <i>Mining Regulation 2016</i> became mandatory for large mines such as the Rasp Mine.</p> <p>The RMP includes information which the Auditors consider to be in accordance with the standard conditions of mining leases in Schedule 8A, Part 2 of the <i>Mining Regulation 2016</i>. Table 2.1 of the RMP reproduces the specific requirements of Schedule 8A, Part 2 of the Regulation and references the section/table of the RMP to the specific requirement.</p> <p>In relation to implementation of the RMP, as of July 2023, backfilling of Little Kintore Pit is in progress. These rehabilitation works are behind the rehabilitation schedule (September 2022 to March 2023) noted in Table 6.1 of the RMP, due to BHOP's allocation of resources for responding to the TSF2 seepage incident of 24 December 2022. The other rehabilitation works noted in Table 6.1 were not overdue for completion as of July 2023.</p>	Compliant	

Project Approval 07_0018: Schedule 4 – Environmental Management, Reporting and Auditing					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
Condition 1	<p>Environmental Management – Environmental Management Strategy</p> <p>The Proponent shall prepare and implement an Environmental Management Strategy for the project to the satisfaction of the Secretary. This strategy must:</p> <p>(a) be submitted to the Secretary for approval by the end of June 2011;</p> <p>(b) provide the strategic framework for the environmental management of the project;</p> <p>(c) identify the statutory approvals that apply to the project;</p> <p>(d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project;</p> <p>(e) describe the procedures that would be implemented to:</p> <ul style="list-style-type: none"> • keep the local community and relevant agencies informed about the operation and environmental performance of the project; • receive, handle, respond to, and record complaints; • resolve any disputes that may arise during the course of the project; • respond to any non-compliance; and • respond to emergencies; and <p>(f) include:</p> <ul style="list-style-type: none"> • copies of any strategies, plans and programs approved under the conditions of this approval; and • a clear plan depicting all the monitoring required to be carried out under the conditions of this approval. 	<ul style="list-style-type: none"> • Audit interview (Senior Environmental Advisor) • Environmental Management Strategy (BHO-ENV-SYS-001, Version V4, issued 28 April 2023) 	<p>As of July 2023, BHOP's current Environment Management Strategy (EMS) is Version V4, issued 28 April 2023 (BHO-ENV-SYS-001).</p> <p>In relation to the paragraphs of this condition:</p> <p>(a) The Auditors consider that this paragraph only applies to the original version of the EMS (i.e. not the current version).</p> <p>(b) Section 1.1 of the EMS describes the purpose of the EMS as providing the strategic framework for environmental management at the Rasp Mine. The Auditors consider that the EMS as a whole provides a basic strategic framework for the environmental management of the project.</p> <p>(c) Section 4.1 of the EMS identifies statutory approvals that apply to the project, up to Modification 6 of the Project Approval (note: a date error refers to MOD6 of March "2021"). Modification 10, which was approved on 13 December 2022, is not included in this list.</p> <p>(d) Section 6.1 of the EMS describes the environmental management responsibility, authority and accountability for the roles of General Manager, Department Managers, HSET Manager, Senior Environmental Advisor & Environmental Graduate/Officer, Supervisors, and BHOP Personnel and Contractors. Section 9 of the EMS states that compliance with all approvals, plans and procedures is the responsibility of all personnel and contractors, with the General Manager holding overall accountability.</p> <p>(e) The EMS describes procedures that would be implemented to:</p> <ul style="list-style-type: none"> • keep the local community and relevant agencies informed about the operation and environmental performance of the project (sections 6.3 and 7); 	Compliant	

Project Approval 07_0018: Schedule 4 – Environmental Management, Reporting and Auditing					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<ul style="list-style-type: none"> • receive, handle, respond to, and record complaints (section 6.4); • resolve any disputes that may arise during the course of the project (final paragraph in section 6.4); • respond to any non-compliance (section 9); and • respond to emergencies (section 8). <p>(f) The EMS sufficiently references related environmental strategies, plans and programs approved under the conditions of this approval, and lists the environmental monitoring required to be carried out under the conditions of this approval in Appendix B – Summary of Environmental Monitoring Program and Locations.</p> <p>Observation No. 44 – Section 2.1 of the Environment Management Strategy refers to the Rasp Mine Environmental Policy (BHO-POL-ENV-001) being referenced in site inductions. BHOP could review and confirm that the Environmental Policy (which is on the CBH website) is referenced in relevant site inductions, including the Rasp Mine General Induction.</p> <p>Observation No. 45 – BHOP should update section 4.1 and Appendix A of the Environment Management Strategy to refer to Modification 10 of 13 December 2022.</p> <p>Observation No. 46 – BHOP should review and update section 4.2 of the Environment Management Strategy to refer to the <i>Biodiversity Conservation Act 2016</i> instead of the <i>Threatened Species Conservation Act 1995</i>.</p>		

Project Approval 07_0018: Schedule 4 – Environmental Management, Reporting and Auditing					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>Observation No. 47 – In the next revision of the Environment Management Strategy, BHOP should update Appendices B and C in the Environment Management Strategy to include the two new Beta Attenuation Monitors (BAMs) commissioned in March 2023.</p> <p>Observation No. 48 – BHOP could establish formal processes (i.e. via internal or external audit) to demonstrate ‘implementation’ of the Environment Management Strategy.</p>		
Condition 2	<p>Environmental Management – Management Plan Requirements</p> <p>The Proponent shall ensure that the management plans required under this approval are prepared in accordance with relevant guidelines, and include:</p> <p>(a) detailed baseline data;</p> <p>(b) a description of:</p> <ul style="list-style-type: none"> • the relevant statutory requirements (including any relevant approval, licence or lease conditions); • any relevant limits or performance measures/criteria; and • 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; <p>(c) a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria;</p> <p>(d) a program to monitor and report on the:</p> <ul style="list-style-type: none"> • impacts and environmental performance of the project; and • effectiveness of any management measures (see (c) above); <p>(e) a contingency plan to manage any unpredicted impacts and their consequences;</p>	<ul style="list-style-type: none"> • Audit interview (Senior Environmental Advisor) • Environmental Management Plans 	<p>The Environmental Management Plans (EMPs) required under this Project Approval are as follows:</p> <ul style="list-style-type: none"> • Air Quality Management Plan (AQMP); • Community Lead Management Plan (CLMP); • Noise and Blasting Management Plan, which BHOP has divided into a Noise Management Plan (NMP), and a Technical Blasting Management Plan (TBMP) including a Surface Blasting Management Plan (SBMP); • Site Water Management Plan (SWMP); • Traffic Management Plan (TMP); • Conservation Management Plan (CMP); • Waste Management Plan (WMP); • Rehabilitation Management Plan (RMP). <p>As of July 2023, the Conservation Management Plan (under Project Approval Schedule 3, Condition 30) has not been formally issued, and hence could not be assessed for compliance against this condition.</p> <p>In relation to paragraph (a) of this condition, it is acknowledged that baseline data may not be applicable to all EMPs.</p>	Non-compliant	NC14

Project Approval 07_0018: Schedule 4 – Environmental Management, Reporting and Auditing					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
	<p>(f) a program to investigate and implement ways to improve the environmental performance of the project over time;</p> <p>(g) a protocol for managing and reporting any:</p> <ul style="list-style-type: none"> • incidents; • complaints; • non-compliances with the conditions of this approval and statutory requirements; and • exceedances of the impact assessment criteria and/or performance criteria; and <p>(h) a protocol for periodic review of the plan.</p> <p><i>Note: The Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.</i></p>		<p>The Auditors consider that baseline data is applicable to the following EMPs ('relevant EMPs'): Air Quality Management Plan; Community Lead Management Plan; Noise Monitoring Management Plan; Site Water Management Plan; and Conservation Management Plan.</p> <p>The Auditors consider that the EMPs in the above dot point list generally satisfy the requirements in paragraphs (b), (c), (d), (g) and (h) of this condition.</p> <p>Non-compliance No. 14</p> <p>In relation to paragraphs (a), (e) and (f) of this condition:</p> <p>(a) Not all of the relevant Environmental Management Plans (EMPs) include detailed baseline data. It was noted that the Air Quality Management Plan includes baseline air quality monitoring data updated to include Mod 6 modelling data, and section 7.2 of the Site Water Management Plan (SWMP) includes baseline data of groundwater quality.</p> <p>(e) Not all of the EMPs include a contingency plan (or any reference to a contingency plan) to manage any unpredicted impacts and their consequences. It was noted that section 7 of the Community Lead Management Plan identifies 'contingency' measures where air quality trends indicate an increase in lead emissions which can be attributed to the Rasp Mine, and sections 8.4 and 11.3.3 of the Site Water Management Plan include details of contingency measures in relation to water quality in Horwood Dam, and unacceptable impacts to groundwater, respectively.</p> <p>(f) None of the EMPs include information relating to programs to investigate and implement ways to improve the environmental performance of the project over time.</p>		

Project Approval 07_0018: Schedule 4 – Environmental Management, Reporting and Auditing					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<p>Recommendation No. 14</p> <p>BHOP could formally apply to the Planning Secretary for a waiver of unnecessary or unwarranted requirements specified in this condition; for example, by submitting a table/matrix of relevant Environmental Management Plans which identifies the unnecessary or unwarranted requirements for which a waiver is sought, and requesting the Secretary to approve the table/matrix.</p>		
Condition 3	<p>Environmental Management – Annual Review</p> <p>By the end of 31 March 2023, and annually thereafter, the Proponent must submit a report reviewing the environmental performance of the project to the satisfaction of the Secretary. This review must:</p> <p>(a) describe the project (including any rehabilitation) that was carried out in the past calendar year, and the project that is proposed to be carried out over the next year;</p> <p>(b) include a comprehensive review of the monitoring results and complaints records of the project over the past year, which includes a comparison of these results against the:</p> <ul style="list-style-type: none"> • relevant statutory requirements, limits or performance measures/criteria; • monitoring results of previous years; • relevant predictions in the documents referred to in Conditions 2 of Schedule 2; and • requirements of any plan or program required under this approval; <p>(c) identify any non-compliance over the past year, and describe what actions were (or are being) taken to rectify the non-compliance and avoid reoccurrence;</p> <p>(d) identify any trends in the monitoring data over the life of the project;</p>	<ul style="list-style-type: none"> • Audit interview (Senior Environmental Advisor) • Annual Review 2021-2022 • Annual Review 2022 (Revised) 	<p>Annual Reviews are prepared and submitted to the DPE. During the audit period, BHOP submitted the following Annual Reviews:</p> <ul style="list-style-type: none"> • Annual Review 2021-2022 for the reporting period 1 May 2021 to 30 April 2022; and • Annual Review 2022 for the reporting period 1 January 2022 to 31 December 2022. <p>The Auditors noted that the reporting period in the Annual Review 2022 overlaps the reporting period in the Annual Review 2021-2022.</p> <p>BHOP resubmitted a revised version of the Annual Review (i.e. the Annual Review 2022 (Revised)) to the DPE on 28 April 2023, following a request from the DPE for revisions to the Annual Review 2022 which BHOP submitted on 31 March 2023. As of July 2023, the Annual Review 2022 (Revised) had not yet been approved/accepted by the Secretary.</p> <p>The Auditors consider that the Annual Review 2022 (Revised) satisfies the requirements in paragraphs (a) to (g) of this condition.</p> <p>Observation No. 49 – To better match the wording in paragraph (f) of this condition, BHOP could revise the ‘section 11’ heading in each Annual Review to read: “Activities to Improve Environmental Performance”.</p>	Compliant	

Project Approval 07_0018: Schedule 4 – Environmental Management, Reporting and Auditing					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
	<p>(e) identify any discrepancies between the predicted and actual impacts of the project, and analyse the potential cause of any significant discrepancies;</p> <p>(f) describe what measure will be implemented over the next year to improve the environmental performance of the project; and</p> <p>(g) evaluate and report on compliance with the performance measures, criteria and operating conditions of this approval.</p>		<p>Observation No. 50 – BHOP could revise section 2.1 (Introduction) in each Annual Review to include the words used in paragraph (g) of this condition.</p> <p>Observation No. 51 – BHOP could revise its Annual Review template to include a table which cross-references the relevant section/table of the Annual Review to each requirement in paragraphs (a) to (g) of this condition.</p>		
Condition 4	<p>Environmental Management – Revision of Strategies, Plans & Programs</p> <p>Within three months of:</p> <p>(a) the submission of an annual review under Condition 3 above;</p> <p>(b) the submission of an incident report under Condition 5 below;</p> <p>(c) the submission of an audit report under Conditions 7 – 8A below;</p> <p>(d) any modification of the conditions of this approval (unless the conditions require otherwise), or</p> <p>(e) a direction of the Secretary under Condition 2 of Schedule 2.</p> <p>the Proponent shall review, and if necessary revise, the strategies, plans, and programs required under this approval to the satisfaction of the Secretary.</p> <p>Where this review leads to revisions in any such document, then within 4 weeks of the review the revised document must be submitted to the Secretary for approval, unless otherwise agreed with the Secretary.</p> <p><i>Note: This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the project.</i></p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Environmental Management Plans document revision history 	<p>Non-compliance No. 15</p> <p>BHOP did not comply with the 'within three months' requirement in this condition on several occasions during the audit period. Document control information (i.e. version history) in BHOP's strategies, plans and programs does not indicate whether the document was reviewed after each scenario in paragraphs (a) to (e) of this condition.</p> <p>Recommendation No. 15</p> <p>On the cover or second page of each strategy, plan and program required under this Project Approval, BHOP could insert a 'Review Table' or 'Document History Table' which includes the following details: a) date of review; b) name of reviewer; c) outcome of the review (i.e. 'revisions required' or 'no revisions required'); and d) in the case of revisions being required, the date of submission of the relevant revised document to the Secretary.</p>	Non-compliant	NC15

Project Approval 07_0018: Schedule 4 – Environmental Management, Reporting and Auditing					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
Condition 5	<p>Reporting – Incident Notification, Reporting and Response</p> <p>The Secretary must be notified in writing via the Major Projects website immediately after the Proponent becomes aware of an incident. The notification must identify the project (including the development application number and the name of the development if it has one) and set out the location and nature of the incident. Subsequent notification requirements must be given, and reports submitted in accordance with the requirements set out in Appendix 5.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Annual Review 2022 (Revised) – Section 10 Incident Management Procedure (BHO-PRO-SAF-101, Revision 5, issued 30 December 2022) – Section 7.2 	<p>Section 7.2 of BHOP's Incident Management Procedure refers to the requirements of this condition.</p> <p>It was stated that BHOP has 'immediately' (which the Auditors interpret to mean, as soon as possible) notified the Secretary (via the Major Projects Portal) of all five incidents which occurred during the audit period. Refer to Section 4.10 of this audit report for details of the notified incidents.</p> <p>Observation No. 52 – BHOP could include the INX number assigned to an incident in relevant incident reports and correspondence with regulators, for audit trail purposes.</p> <p>Observation No. 53 – In light of the TSF2 seepage incident of 24 December 2022 (INX No. 8536) in which the affected Perilya employee initially contacted the Perilya Control Room, BHOP could liaise with Perilya and develop a procedure for Perilya employees residing in the Proprietary Square area to initially contact the Rasp Mine Mill Control Room and/or Emergency Services Office in the event of a future TSF2 incident. This procedure could potentially reduce the time taken for BHOP to respond (e.g. shutting down the mill) to a future TSF2 incident.</p> <p>It was stated that environmental incidents and exceedances of performance criteria/limits are entered into INX InControl with email notification to BHOP's Senior Environmental Advisor. All reporting requires the BHOP employee to enter the incident into INX InControl, as no hard copy form exists for the internal reporting of incidents.</p>	Compliant	

Project Approval 07_0018: Schedule 4 – Environmental Management, Reporting and Auditing					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
Condition 5A	<p>Reporting – Non-Compliance Notification</p> <p>The Secretary must be notified in writing via the Major Projects website within seven days after the Proponent becomes aware of any non-compliance. A non-compliance notification must identify the project and the application number for it, set out the condition of approval that the project is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance.</p> <p><i>Note: A non-compliance which has been notified as an incident does not need to also be notified as a noncompliance.</i></p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Annual Review 2022 (Revised) – Section 10 Incident Management Procedure (BHO-PRO-SAF-101, Revision 5, issued 30 December 2022) – Section 7.3 	<p>Section 7.3 of BHOP's Incident Management Procedure refers to the requirements of this condition.</p> <p>It was stated that BHOP has notified the Secretary (via the Major Projects Portal) of all seven non-compliances which occurred during the audit period. Refer to Section 4.11 of this audit report for details of the notified non-compliances.</p> <p>For example, in relation to the HAVS and HVAS1 loss of power non-compliance notification of 19 October 2022, which attached BHOP's letter of 18 October 2022 (INX No. 8316, see Section 4.11, point 6 of this audit report), the Auditors sighted the Major Projects Portal email receipt of 19 October 2022.</p> <p>In relation to the TEOM1 non-compliance of 14-15 March 2022 (INX No. 7698, see Section 4.11, point 1 of this audit report), the Auditors sighted implementation of a corrective action for, being installation of a visual display in the Emergency Services Office (see Photo).</p> <p>As an example of BHOP's internal reporting of non-compliances, the Auditors sighted a four page "Incident – Compliance" form regarding notification of the TEOM2 loss of power non-compliance on 14-15 March 2023 (INX No. 8776).</p>	Compliant	
Condition 6	<p>Reporting – Regular Reporting</p> <p>The Proponent shall provide regular reporting on the environmental performance of the project on its website, in accordance with the reporting arrangements in any approved plans or programs of the conditions of this approval.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) CBH website 	<p>As of July 2023, the CBH website includes the following reports relating to environmental performance of the Rasp Project:</p> <ul style="list-style-type: none"> the November 2012 independent environmental audit report; the February 2016 independent environmental audit report; the February 2019 independent environmental audit report; 	Compliant	

Project Approval 07_0018: Schedule 4 – Environmental Management, Reporting and Auditing					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
			<ul style="list-style-type: none"> the March 2022 independent environmental audit report; BHOP's Action Plan for the non-compliances identified in the March 2022 independent environmental audit report; the Toxikos / Pacific Environment Report titled: "Health Risk Assessment Rasp Mine Broken Hill", dated 2 April 2015 (Job No. 08844); Environmental Assessment (EA) documents from the original EA to the Mod 10 EA – with Appendix D1 of the Mod 6 Modification Report comprising the SLR Consulting report titled: "Human Health Risk Assessment for Rasp Mine, Modification 6", dated 14 December 2020 (Reference 640.12028-R01-v3.0); Monthly Environment Monitoring Reports from January 2014 to April 2023; Annual Environmental Monitoring Reports from 2012 to 2021; and Annual Review for 2021-2022 (reporting period 1 May 2021 to 30 April 2022). <p>It was stated that BHOP will upload the Annual Review 2022 (Revised) (i.e. for the reporting period 1 January 2022 to 31 December 2022) to the CBH website after the Secretary has approved that Annual Review.</p>		
Condition 7	<p>Independent Environmental Audit</p> <p>Within one year of the date of physical commencement of development under Modification 6, and every three years after, unless the Secretary directs otherwise, the Proponent must commission and pay the full cost of an Independent Environmental Audit of the project. The audit must:</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) BHOP Purchase Order No. 100801 dated 26 March 2023 	<p>This condition was amended on 16 March 2022.</p> <p>The previous independent environmental audit of the project was conducted in March 2022. The final version of the March 2022 audit report was issued on 1 June 2022.</p>	Compliant	

Project Approval 07_0018: Schedule 4 – Environmental Management, Reporting and Auditing					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
	<p>(a) be prepared in accordance with the <i>Independent Audit Post Approval Requirements</i> (NSW Government 2020); and</p> <p>(b) be submitted, to the satisfaction of the Secretary, within two months of undertaking the independent audit site inspection, unless otherwise agreed by the Secretary.</p>	<ul style="list-style-type: none"> BHOP letter of 19 September 2022 regarding physical commencement of Mod 6 works (note: the date of “2021” in the letter is incorrect) to the Secretary, EPA, Resources Regulator and Broken Hill City Council 	<p>Development under Modification 6 physically commenced on 19 September 2022, as notified in BHOP’s letter of that date to the Secretary, EPA, Resources Regulator and Broken Hill City Council.</p> <p>On 26 March 2023, BHOP issued a Purchase Order for this July 2023 audit.</p> <p>This July 2023 audit was prepared and conducted in accordance with the <i>Independent Audit Post Approval Requirements</i> (NSW Government, May 2020).</p> <p>BHOP intends to submit this audit report to the Secretary via the Major Projects portal, within the period specified in paragraph (b) of this condition.</p>		
Condition 8	<p>Independent Environmental Audit</p> <p>In accordance with the specific requirements of the <i>Independent Audit Post Approval Requirements</i> (NSW Government 2020), the Proponent must:</p> <p>(a) review and respond to each Independent Audit Report prepared under Condition 7 above;</p> <p>(b) submit a response to the Secretary and any other NSW agency that requests it, together with a timetable for the implementation of the recommendations of the Independent Audit Report;</p> <p>(c) implement the recommendations to the satisfaction of the Secretary; and</p> <p>(d) make each Independent Audit Report and response to it publicly available no later than 60 days after submission to the Secretary.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) 	<p>This condition was not triggered during the audit period.</p> <p>This July 2023 audit is the first independent environmental audit of the Rasp Project since inclusion of this condition in the Project Approval on 16 March 2022.</p>	Not triggered	

Project Approval 07_0018: Schedule 4 – Environmental Management, Reporting and Auditing					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
Condition 8A	<p>Monitoring and Environmental Audits</p> <p>Any condition of this approval that requires the carrying out of monitoring or an environmental audit, whether directly or by way of a plan, strategy or program, is taken to be a condition requiring monitoring or an environmental audit under Division 9.4 of Part 9 of the EP&A Act. This includes conditions in respect of incident notification, reporting and response, non-compliance notification, compliance report and independent audit.</p> <p>For the purposes of this condition, as set out in the EP&A Act, “monitoring” means monitoring of the project to provide data on compliance with the approval or on the environmental impact of the project, and an “environmental audit” means a periodic or particular documented evaluation of the project to provide information on compliance with the approval or the environmental management or impact of the project.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) 	<p>This interpretative condition was first included in the Project Approval on 16 March 2022.</p> <p>The Auditors interpret this condition as meaning that any Project Approval condition which requires ‘monitoring’ or ‘environmental audits’ will be subject to Division 9.4 (Monitoring and environmental audits) of Part 9 (Implementation and enforcement) of the <i>Environmental Planning and Assessment Act 1979</i> (EP&A Act).</p> <p>Division 9.4 of Part 9 of the EP&A Act imposes requirements on State significant development proponents to ensure that information in monitoring and environmental audits is truthful, complete and retained for at least five years after it is collected or prepared. Division 9.4 also imposes penalties on corporations and individuals for offences relating to the above requirements.</p> <p>During the audit period, BHOP has not been subject to any proceedings or penalty notices under the EP&A Act.</p>	Compliant	
Condition 9	<p>Access to Information</p> <p>From the end of March 2011 until the completion of all rehabilitation required under this approval, the Proponent shall:</p> <p>(a) make copies of the following information and documents (as they are obtained, approved or as otherwise stipulated within the conditions of this approval) publicly available on its website:</p> <ul style="list-style-type: none"> the documents referred to in Condition 2 of Schedule 2; all current statutory approvals for the project; all approved strategies, plans and programs required under the conditions of this approval; 	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) Annual Review 2022 (Revised) CBH website 	<p>It was stated that BHOP will upload the Annual Review 2022 (Revised) to the CBH website after the Planning Secretary has approved that document.</p> <p>Section 4 (Operations Summary) of the Annual Review 2022 (Revised) includes a summary of the current phase and progress of the project.</p> <p>As of July 2023, the majority of documents which this condition requires to be publicly available on the CBH website were on the CBH website.</p>	Non-compliant	NC16

Project Approval 07_0018: Schedule 4 – Environmental Management, Reporting and Auditing					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
	<ul style="list-style-type: none"> the proposed staging plans for the project if the construction, operation or decommissioning of the project is to be staged; regular reporting on the environmental performance of the project in accordance with the reporting requirements in any plans or programs approved under the conditions of this approval; the monitoring results of the project, reported in accordance with the specifications in any conditions of this approval, or any approved plans or programs; a summary of the current phase and progress of the project; contact details to enquire about the project or to make a complaint; a complaints register, updated on a monthly basis; the annual reviews of the project; any independent environmental audit of the project, and the Proponent's response to the recommendations in any audit; and any other matter required by the Secretary; <p>(b) keep this information up-to-date, to the satisfaction of the Secretary.</p>		<p>Non-compliance No. 16</p> <p>As of July 2023, the following documents which this condition requires to be publicly available on the CBH website were not on the CBH website:</p> <ul style="list-style-type: none"> Surface Blasting Management Plan (BHO-PLN-MIN-016) which forms part of the Technical Blasting Management Plan (BHO-PLN-MIN-002); Waste Rock Management Plan (BHO-PLN-ENV-014) which relates to Project Approval Schedule 3, Condition 33(d); Traffic Management Plan (none presently exists); and Conservation Management Plan (only a draft version issued in September 2015 exists). <p>Recommendation No. 16</p> <p>BHOP should upload the Surface Blasting Management Plan and Waste Rock Management Plan to the CBH website, and issue and upload a Traffic Management Plan and Conservation Management Plan to the CBH website.</p>		
Condition 10	<p>Independent Review</p> <p>If an owner of privately-owned land considers the project to be exceeding the criteria in schedule 3 at his/her land, then he/she may ask the Secretary in writing for an independent review of the impacts of the project on his/her land.</p> <p>If the Secretary is satisfied that an independent review is warranted, then the Proponent shall:</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) 	<p>This condition was not triggered during the audit period.</p> <p>It was stated that during the audit period, BHOP has not been contacted by the Secretary in relation to a request from an owner of privately-owned land for an independent review of the impacts of the development (i.e. the project) on his/her land.</p>	Not triggered	

Project Approval 07_0018: Schedule 4 – Environmental Management, Reporting and Auditing					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
	<p>(a) commission a suitably qualified, experienced and independent expert, whose appointment has been approved by the Secretary, to:</p> <ul style="list-style-type: none"> consult with the landowner to determine his/her concerns; conduct monitoring to determine whether the project is complying with the relevant impact assessment criteria in schedule 3; and if the project is not complying with these criteria then identify the measures that could be implemented to ensure compliance with the relevant criteria; and <p>(b) give the Secretary and landowner a copy of the independent review within 2 months of the Secretary's decision, unless the Secretary agrees otherwise.</p>				
Condition 11	<p>Updating and Staging of Studies, Strategies and Plans</p> <p>To ensure the studies, strategies and plans for the project are updated on a regular basis and incorporate any required measures to improve the environmental performance of the project, the Proponent may submit revised studies, strategies or plans required for the project under the conditions of approval at any time. With the agreement of the Secretary, the Proponent may also submit any study, strategy or plan required under the conditions of this approval on a staged basis.</p>	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) 	<p>This condition was not triggered during the audit period.</p> <p>Since the inclusion of this condition in the Project Approval on 16 March 2022, BHOP has not submitted any study, strategy or plan either on its own initiative or on a staged basis, with the agreement of the Secretary.</p>	Not triggered	

Project Approval 07_0018: Schedule 4 – Environmental Management, Reporting and Auditing					
Condition of Consent	Condition Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status	Unique ID for non-compliance
Condition 12	<p>Updating and Staging of Studies, Strategies and Plans</p> <p>The Secretary may approve a revised strategy or plan required under the conditions of approval, or the stage submission of these documents, at any time. With the approval of the Secretary, the Proponent may prepare the revised or staged strategy or plan without undertaking consultation with all parties nominated under the applicable condition in this approval.</p> <p><i>Notes:</i></p> <ul style="list-style-type: none"> While any study, strategy or plan may be submitted on a progressive basis, the Proponent must ensure that the existing operations on site are covered by suitable studies, strategies or plans at all times. If the submission of any study, strategy or plan is to be staged, then the relevant study, strategy or plan must clearly describe the specific stage to which the study, strategy or plan applies, the relationship of this stage to any future stages, and the trigger for updating the study, strategy or plan. 	<ul style="list-style-type: none"> Audit interview (Senior Environmental Advisor) 	<p>This condition was not triggered during the audit period.</p> <p>Since the inclusion of this condition in the Project Approval on 16 March 2022, BHOP has not requested approval from the Secretary to prepare a revised or staged strategy or plan without undertaking consultation with all parties nominated under the applicable condition of approval.</p> <p>It was stated that BHOP could potentially request the Secretary's approval regarding not undertaking consultation with all parties, in relation to modification applications with relatively minor surface environmental impacts such as the current Modification 11 application (ventilation intake and underground exploration).</p>	Not triggered	

Appendix B: Agency Comments and Auditors' Response

The following Agency Consultation Comments and Auditors' Response table includes the Auditors' responses to the environmental issues raised by the two agencies (the Resources Regulator and the Biodiversity and Conservation Division of the DPE) which responded to the Lead Auditor's consultation letters (reproduced in Appendix C of this audit report). The Auditors' responses are also cross-referenced to the relevant Audit Findings and Recommendations in the Independent Audit Table within Appendix A of this audit report.

Agency Consultation Comments and Auditors' Response

Agency	Agency Comments	Auditors' Response
Department of Regional NSW – Resources Regulator Respondent: Jenny Ehmsen – Principal Compliance Auditor	<p><u>Letter of 29 June 2023 (see Appendix C of this audit report) which reads:</u></p> <p>Thank you for your email and letter dated 22 June 2023 requesting consultation on the independent environmental audit to be undertaken of the Rasp Mine which is covered by Consolidated Mining Lease 7 (Act 1973) (CML7).</p> <p>The independent environmental audit is required to assess compliance against the relevant environmental management conditions of the mining leases up to 1 July 2022, including implementation of the mining operations plan for the site.</p> <p>From 2 July 2022, the independent environmental audit should provide an assessment of compliance with the requirements of Schedule 8A Standard conditions of mining leases, Part 2 Standard conditions, as set out in the Mining Regulation 2016. It is noted that CML7 and the 4 mining purposes leases that comprise the Rasp Mine have been approved by the Regulator to be treated as a single lease for the purposes of Part 2 of Schedule 8A.</p> <p>The audit should note observations where rehabilitation procedures, practices and outcomes represent best industry practice. It would be appreciated if a copy of the final audit report could be sent to the Regulator at nswresourcesregulator@service-now.com upon completion of the audit.</p>	<p>Refer to the 'Independent Audit Findings and Recommendations' for Project Approval Schedule 2, Condition 1 and Schedule 3, Conditions 34, 34A and 35, in the Independent Audit Table within Appendix A of this audit report.</p> <p>The conditions of CML7 were varied by an "Instrument of Variation" dated 29 August 2022, issued by a delegate for the Minister administering the <i>Mining Act 1992</i>. The Variation took effect on 17 October 2022.</p> <p><u>Compliance with CML7 conditions up to 1 July 2022</u></p> <p>The Auditors consider that from 12 March 2022 (commencement of the audit period) to 1 July 2022, the following conditions in CML7 were "relevant environmental management conditions". The Auditors assessed BHOP's compliance against relevant requirements of these conditions as follows:</p> <ul style="list-style-type: none"> • CML7 Condition 2 (Mining, Rehabilitation, Environmental Management Process (MREMP) Mining Operations Plan (MOP)) – BHOP maintained the MOP (as approved by the Resources Regulator on 27 September 2021) in the period from 12 March 2022 to 1 July 2022. In the March 2022 audit report, the Auditors identified an 'Administrative non-compliance' against paragraph (b) of this condition (i.e. "The MOP must: ... identify how the mine will be managed to allow mine closure;") due to an apparent lack of agreement (at that time) with relevant agencies regarding end land use. • CML7 Condition 3 (Annual Environmental Management Report (AEMR)) – BHOP was not required to prepare and lodge an AEMR in the period from 12 March 2022 to 1 July 2022. • CML7 Condition 13 (Rehabilitation) – It was stated that rehabilitation did not occur in the period from 12 March 2022 to 1 July 2022, pending preparation of a Rehabilitation Management Plan under the new Standard conditions of mining leases in Schedule 8A, Part 2 of the <i>Mining Regulation 2016</i>. • CML7 Condition 20 (Access Tracks) – It was stated that in the period access tracks are kept to a minimum required for operational activities. Essentially, the whole of CML7 is disturbed land. • CML7 Conditions 30(a) and 30(b) (Special Conditions – Catchment Areas and Reserves) – It was stated that in the period from 12 March 2022 to 1 July 2022, the Minister did not issue BHOP with any notice requiring BHOP to refrain from using or to cease using a process which is likely to cause contamination of the waters of the Stephen's Creek Catchment Area. It was stated that in the period from 12 March 2022 to 1 July 2022 there was no evidence that the Stephen's Creek Catchment Area (about 18km from the Rasp Mine) has been adversely impacted by the Rasp Mine. <p><u>Compliance with Clauses in Schedule 8A (Standard conditions of mining leases), Part 2 (Standard conditions) of Mining Regulation 2016 from 2 July 2022</u></p> <p>In relation to the period from 2 July 2022 to the end of the audit period (7 July 2023), the Auditors assessed BHOP's compliance against relevant requirements in Schedule 8A, Part 2 of the <i>Mining Regulation 2016</i> as follows:</p> <ul style="list-style-type: none"> • Clause 4 – This condition is similar in intent to Project Approval Schedule 2, Condition 1. The 'Independent Audit Findings and Recommendations' for Schedule 2, Condition 1 in the Independent Audit Table within Appendix A of this audit report, may be regarded as an assessment of BHOP's compliance against this clause. • Clause 5 – The Rasp Mine Forward Program (7 October 2022 to 6 October 2025) defines a rehabilitation schedule. • Clause 6 – Section 2.3 of BHOP's Rehabilitation Management Plan (RMP) provides a 'final land use statement'. Section 2.4 of the RMP states (in part): "The Rasp Mine has five (5) final land-use domains and eight (8) mining domains as summarised in Table 2.4 and shown in Figure 2.2 and Figure 2.3. Domain codes are in accordance with the Resources Regulator Mine Rehabilitation Portal Guideline (RR 2021)."

Agency	Agency Comments	Auditors' Response
		<ul style="list-style-type: none"> • Clause 7 – Appendix B of the RMP identifies 35 'closure risks' and proposed measures for implementation across various aspects including: Landform Stability; Public Health and Safety; and Surface Water. An example of implementation of a measure in Appendix B of the RMP is the preparation of a Conservation Management Plan by EMM Consultants (expected to be completed by the end of 2023) to address 'Heritage' risk nos. 031 and 032. • Clause 8 – This condition essentially states that standard conditions 9 to 16 will only apply if the required security deposit exceeds the minimum security deposit (\$10,000) under clause 93(c) of the <i>Mining Regulation 2016</i>, which refers to section 261BF of the <i>Mining Act 1992</i>. As of July 2023, the current assessed group security deposit for CML7, MPL183, MPL 184, MPL185 and MPL186, is \$12,196,000. This deposit amount is stated in Condition 2 (Group Security) of CML7 as per Schedule B of the "Instrument of Variation" issued 29 August 2022. • Clause 9 – This condition relates to 'form and way' requirements for preparation of documents, and was understood by relevant BHOP personnel. • Clause 10 – It was stated that rehabilitation of Little Kintore Pit (i.e. backfilling of waste rock from the excavation of the Box Cut) commenced in September 2022 and was ongoing as of July 2023. Table 6.1 (Proposed rehabilitation works) of the RMP indicated that rehabilitation of Little Kintore Pit would be completed by March 2023. This delay was attributed to BHOP's need to prioritise and allocate resources for undertaking remediation works in response to the TSF2 seepage incident of 24 December 2022. Refer to Section 4.10 (point 5) of this audit report for details of the incident. • Clause 11 – This condition has not been triggered between 2 July 2022 and the end of the audit period (7 July 2023). • Clause 12 – It was stated that the 'rehabilitation outcome documents' (including spatial data) were uploaded to the Mine Rehabilitation Portal on 23 March 2023. The Auditors sighted the 'Files Submitted' tab on the Portal which included current data files that were uploaded on 23 March 2023. • Clause 13 – BHOP has prepared a Forward Program for the period 7 October 2022 to 6 October 2025. It was stated that the first annual rehabilitation report, which as of July 2023 is yet to be prepared, is due for submission to the Resources Regulator on 8 December 2023. • Clause 14 – BHOP submitted the Forward Program to the Resources Regulator on 2 August 2022. The Forward Program has not been amended during the remainder of the audit period (ending on 7 July 2023). • Clause 15 – BHOP submitted the RMP and Forward Program to the Resources Regulator on 2 August 2022 (i.e. 31 days after 2 July 2022). It was stated that the first annual rehabilitation report is due for submission to the Resources Regulator on 8 December 2023. It was stated that the requirement to submit a rehabilitation completion criteria statement to the Resources Regulator has not yet been triggered as of July 2023. • Clause 16 – As of July 2023, the RMP and Forward Program are publicly available on the CBH website. It was stated that the first annual rehabilitation report is due for submission to the Resources Regulator on 8 December 2023, and will be publicly available on the CBH website. • Clause 17 – Relevant BHOP personnel understood this condition, which requires BHOP to keep records of all actions taken that demonstrate compliance with the standard conditions in Schedule 8A, Part 2 of the <i>Mining Regulation 2016</i>. • Clause 18 – It was stated that between 2 July 2022 and the end of the audit period, BHOP has not identified any non-compliance against a condition of CML7 or a requirement of the <i>Mining Act 1992</i> or <i>Mining Regulation 2016</i> relating to activities under CML7. • Clause 19 – As of July 2023, Giorgio Dall'Armi (General Manager) is the nominated contact person for the Rasp Mine. • Clause 20 – This condition does not apply to State significant developments such as the Rasp Project. <p><u>Best industry practice</u> Due to BHOP's limited rehabilitation activities to date, there is insufficient information for the Auditors to make observations regarding whether rehabilitation procedures, practices and outcomes at the Rasp Mine represent best industry practice. BHOP's first annual rehabilitation report is due for submission to the Resources Regulator on 8 December 2023.</p>

Agency	Agency Comments	Auditors' Response
Biodiversity and Conservation Division – NSW DPE Respondent: Simon Maffei – A/Senior Team Leader, Planning – South West	<p>Email of 29 June 2023 (see Appendix C of this audit report) which reads:</p> <p>Thank you for your letter dated 22 June 2023 seeking input from the Biodiversity and Conservation Division of the Department of Planning and Environment seeking input into the Broken Hill Operations Rasp Mine – Independent Environmental Audit 2023.</p> <p>BCD has no specific environmental issues or concerns to raise about the project and is satisfied that the audit of project approval conditions will identify any issues.</p>	Refer to the 'Independent Audit Findings and Recommendations' for Project Approval Schedule 2, Condition 1 in the Independent Audit Table within Appendix A of this audit report.

Appendix C: Agency Consultation

In accordance with Section 3.2 of the NSW Government's *Independent Audit Post Approval Requirements* (May 2020), consultation letters were sent by email to 15 agencies as addressed in the letters reproduced below. The Lead Auditor's consultation letters and agency responses to the consultation letters are reproduced in this Appendix, and form the issues which are recorded with the Auditors' responses in Appendix B.

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD
A.B.N. 44 079 213 988
PO Box 98, Battery Point, Hobart, Tasmania 7004 Australia
Telephone: 0411 724 476 Email: rubak1512@gmail.com

19th June 2023

Katrina O'Reilly
Team Leader Compliance
NSW Department of Planning and Environment
4 Parramatta Square, 12 Darcy Street
Parramatta NSW 2150

By email: katrina.oreilly@planning.nsw.gov.au

Dear Katrina O'Reilly

Rasp Lead/Zinc/Silver Project (Broken Hill) – Independent Environmental Audit 2023

Integrated Environmental Systems Pty Ltd has been engaged by the proponent, Broken Hill Operations Pty Limited (a wholly owned subsidiary of CBH Resources Limited) to undertake an Independent Environmental Audit (audit) of the Rasp Project in July 2023. This audit is required by the consolidated Project Approval MP07_0018 as most recently modified on 13th December 2022 (Modification 10). I am the Lead Auditor for this audit.

Schedule 4, Condition 7(a) of the consolidated Project Approval requires this audit to be prepared in accordance with the NSW Government's *Independent Audit Post Approval Requirements* (IPAR) (May 2020), linked here: <https://www.planning.nsw.gov.au/sites/default/files/2023-02/independent-audit-par-202005.pdf>

The proposed scope of this audit will include an assessment of the proponent's compliance with the applicable conditions of the consolidated Project Approval, and an assessment of other relevant matters as described in Section 3.3 of the IPAR. We developed this proposed audit scope according to the requirements in Schedule 4, Condition 7 of the consolidated Project Approval and Sections 3.2 and 3.3 of the IPAR.

Please note that for this audit in July 2023, the conditions of Environment Protection Licence No. 12559 and Consolidated Mining Lease 7, both of which were previously audited under the NSW Government's *Independent Audit Guideline, Post-approval requirements for State significant developments* (October 2015), are not within the audit scope. Schedule 4, Condition 7 of the consolidated Project Approval no longer requires an Independent Environmental Audit to assess compliance with the requirements of EPL No. 12559 or CML7.

The audit period for this audit will be from 12th March 2022 (the day after the auditors' last day of on-site attendance at the previous Independent Environmental Audit) to 7th July 2023 (the scheduled last day of the auditors' on-site attendance at this audit).

In accordance with Sections 3.2 and 3.3 of the IPAR, we request/invoke your agency to:

1. provide input into the scope of this audit as proposed above (to enable us to refine the audit scope if needed);
2. raise any specific environmental issues of concern regarding the Rasp Project; and
3. provide feedback on the environmental management and/or environmental performance of the Rasp Project from 12th March 2022 to date.

The audit team (Kurt Hammerschmid – Lead Auditor, and Adam Jones – Auditor) will attend the Rasp Project site at 130 Eyre Street, Broken Hill, from **Monday 3rd to Friday 7th July 2023**. The auditors will undertake a site inspection during this attendance.

If your agency wishes to respond to this request/invoice, please email your agency's response to me at: rubak1512@gmail.com, on or before close of business on **Friday 30th June 2023**.

This letter and your written response (if any) will be included in the final issued version of the independent environmental audit report.

Yours sincerely,
INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD



Kurt Hammerschmid B.App.Sc. (Chem), M.Sc., MBIANZ
Director and Principal Environmental Auditor

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD
A.B.N. 44 079 213 988
PO Box 98, Battery Point, Hobart, Tasmania 7004 Australia
Telephone: 0411 724 476 Email: rubak1512@gmail.com

22nd June 2023

Michael Todd
Senior Conservation Planning Officer
Biodiversity and Conservation Division, NSW DPIE
PO Box 1040, 512 Dean Street
Albury NSW 2840

By email: rog.southwest@environment.nsw.gov.au

Dear Michael Todd

Rasp Lead/Zinc/Silver Project (Broken Hill) – Independent Environmental Audit 2023

Integrated Environmental Systems Pty Ltd has been engaged by the proponent, Broken Hill Operations Pty Limited (a wholly owned subsidiary of CBH Resources Limited) to undertake an Independent Environmental Audit (audit) of the Rasp Project in July 2023. This audit is required by the consolidated Project Approval MP07_0018 as most recently modified on 13th December 2022 (Modification 10). I am the Lead Auditor for this audit.

Schedule 4, Condition 7(a) of the consolidated Project Approval requires this audit to be prepared in accordance with the NSW Government's *Independent Audit Post Approval Requirements* (IPAR) (May 2020), linked here: <https://www.planning.nsw.gov.au/sites/default/files/2023-02/independent-audit-par-202005.pdf>

The proposed scope of this audit will include an assessment of the proponent's compliance with the applicable conditions of the consolidated Project Approval, and an assessment of other relevant matters as described in Section 3.3 of the IPAR. We developed this proposed audit scope according to the requirements in Schedule 4, Condition 7 of the consolidated Project Approval and Sections 3.2 and 3.3 of the IPAR.

Please note that for this audit in July 2023, the conditions of Environment Protection Licence No. 12559 and Consolidated Mining Lease 7, both of which were previously audited under the NSW Government's *Independent Audit Guideline, Post-approval requirements for State significant developments* (October 2015), are not within the audit scope. Schedule 4, Condition 7 of the consolidated Project Approval no longer requires an Independent Environmental Audit to assess compliance with the requirements of EPL No. 12559 or CML7.

The audit period for this audit will be from 12th March 2022 (the day after the auditors' last day of on-site attendance at the previous Independent Environmental Audit) to 7th July 2023 (the scheduled last day of the auditors' on-site attendance at this audit).

In accordance with Sections 3.2 and 3.3 of the IPAR, we request/invoke your agency to:

1. provide input into the scope of this audit as proposed above (to enable us to refine the audit scope if needed);
2. raise any specific environmental issues of concern regarding the Rasp Project; and
3. provide feedback on the environmental management and/or environmental performance of the Rasp Project from 12th March 2022 to date.

The audit team (Kurt Hammerschmid – Lead Auditor, and Adam Jones – Auditor) will attend the Rasp Project site at 130 Eyre Street, Broken Hill, from **Monday 3rd to Friday 7th July 2023**. The auditors will undertake a site inspection during this attendance.

If your agency wishes to respond to this request/invoice, please email your agency's response to me at: rubak1512@gmail.com, on or before close of business on **Friday 30th June 2023**.

This letter and your written response (if any) will be included in the final issued version of the independent environmental audit report.

Yours sincerely,
INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD



Kurt Hammerschmid B.App.Sc. (Chem), M.Sc., MBIANZ
Director and Principal Environmental Auditor

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD

A.B.N. 44 079 213 988
PO Box 98, Battery Point, Hobart, Tasmania 7004 Australia
Telephone: 0411 724 476 Email: nubak1512@gmail.com

22nd June 2023

Tracey Stephens
Acting Manager Planning, Development and Compliance
Broken Hill City Council
240 Blende Street
Broken Hill NSW 2880

By email: tracey.stephens@brokenhill.nsw.gov.au

Dear Tracey Stephens

Rasp Lead/Zinc/Silver Project (Broken Hill) – Independent Environmental Audit 2023

Integrated Environmental Systems Pty Ltd has been engaged by the proponent, Broken Hill Operations Pty Limited (a wholly owned subsidiary of CBH Resources Limited) to undertake an Independent Environmental Audit (audit) of the Rasp Project in July 2023. This audit is required by the consolidated Project Approval MP07_0018 as most recently modified on 13th December 2022 (Modification 10). I am the Lead Auditor for this audit.

Schedule 4, Condition 7(a) of the consolidated Project Approval requires this audit to be prepared in accordance with the NSW Government's *Independent Audit Post Approval Requirements* (IPAR) (May 2020), linked here: <https://www.planning.nsw.gov.au/sites/default/files/2023-02/independent-audit-par-202005.pdf>

The proposed scope of this audit will include an assessment of the proponent's compliance with the applicable conditions of the consolidated Project Approval, and an assessment of other relevant matters as described in Section 3.3 of the IPAR. We developed this proposed audit scope according to the requirements in Schedule 4, Condition 7 of the consolidated Project Approval and Sections 3.2 and 3.3 of the IPAR.

Please note that for this audit in July 2023, the conditions of Environment Protection Licence No. 12550 and Consolidated Mining Lease 7, both of which were previously audited under the NSW Government's *Independent Audit Guideline, Post-approval requirements for State significant developments* (October 2015), are not within the audit scope. Schedule 4, Condition 7 of the consolidated Project Approval no longer requires an Independent Environmental Audit to assess compliance with the requirements of EPL No. 12550 or CML7.

The audit period for this audit will be from 12th March 2022 (the day after the auditors' last day of on-site attendance at the previous Independent Environmental Audit) to 7th July 2023 (the scheduled last day of the auditors' on-site attendance at this audit).

In accordance with Sections 3.2 and 3.3 of the IPAR, we request/invite your agency to:

1. provide input into the scope of this audit as proposed above (to enable us to refine the audit scope if needed);
2. raise any specific environmental issues of concern regarding the Rasp Project; and
3. provide feedback on the environmental management and/or environmental performance of the Rasp Project from 12th March 2022 to date.

The audit team (Kurt Hammerschmid – Lead Auditor, and Adam Jones – Auditor) will attend the Rasp Project site at 130 Eyre Street, Broken Hill, from **Monday 3rd to Friday 7th July 2023**. The auditors will undertake a site inspection during this attendance.

If your agency wishes to respond to this request/invitation, please email your agency's response to me at: nubak1512@gmail.com, on or before close of business on **Friday 30th June 2023**.

This letter and your written response (if any) will be included in the final issued version of the independent environmental audit report.

Yours sincerely,

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD


Kurt Hammerschmid B.App.Sc. (Chem), M.Sc., MEIANZ
Director and Principal Environmental Auditor

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD

A.B.N. 44 079 213 988
PO Box 98, Battery Point, Hobart, Tasmania 7004 Australia
Telephone: 0411 724 476 Email: nubak1512@gmail.com

22nd June 2023

Jessica Ireae
Chairperson
Broken Hill Lead Reference Group
240 Blende Street
Broken Hill NSW 2880

By email: council@brokenhill.nsw.gov.au

Dear Jessica Ireae

Rasp Lead/Zinc/Silver Project (Broken Hill) – Independent Environmental Audit 2023

Integrated Environmental Systems Pty Ltd has been engaged by the proponent, Broken Hill Operations Pty Limited (a wholly owned subsidiary of CBH Resources Limited) to undertake an Independent Environmental Audit (audit) of the Rasp Project in July 2023. This audit is required by the consolidated Project Approval MP07_0018 as most recently modified on 13th December 2022 (Modification 10). I am the Lead Auditor for this audit.

Schedule 4, Condition 7(a) of the consolidated Project Approval requires this audit to be prepared in accordance with the NSW Government's *Independent Audit Post Approval Requirements* (IPAR) (May 2020), linked here: <https://www.planning.nsw.gov.au/sites/default/files/2023-02/independent-audit-par-202005.pdf>

The proposed scope of this audit will include an assessment of the proponent's compliance with the applicable conditions of the consolidated Project Approval, and an assessment of other relevant matters as described in Section 3.3 of the IPAR. We developed this proposed audit scope according to the requirements in Schedule 4, Condition 7 of the consolidated Project Approval and Sections 3.2 and 3.3 of the IPAR.

Please note that for this audit in July 2023, the conditions of Environment Protection Licence No. 12550 and Consolidated Mining Lease 7, both of which were previously audited under the NSW Government's *Independent Audit Guideline, Post-approval requirements for State significant developments* (October 2015), are not within the audit scope. Schedule 4, Condition 7 of the consolidated Project Approval no longer requires an Independent Environmental Audit to assess compliance with the requirements of EPL No. 12550 or CML7.

The audit period for this audit will be from 12th March 2022 (the day after the auditors' last day of on-site attendance at the previous Independent Environmental Audit) to 7th July 2023 (the scheduled last day of the auditors' on-site attendance at this audit).

In accordance with Sections 3.2 and 3.3 of the IPAR, we request/invite your agency to:

1. provide input into the scope of this audit as proposed above (to enable us to refine the audit scope if needed);
2. raise any specific environmental issues of concern regarding the Rasp Project; and
3. provide feedback on the environmental management and/or environmental performance of the Rasp Project from 12th March 2022 to date.

The audit team (Kurt Hammerschmid – Lead Auditor, and Adam Jones – Auditor) will attend the Rasp Project site at 130 Eyre Street, Broken Hill, from **Monday 3rd to Friday 7th July 2023**. The auditors will undertake a site inspection during this attendance.

If your agency wishes to respond to this request/invitation, please email your agency's response to me at: nubak1512@gmail.com, on or before close of business on **Friday 30th June 2023**.

This letter and your written response (if any) will be included in the final issued version of the independent environmental audit report.

Yours sincerely,

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD


Kurt Hammerschmid B.App.Sc. (Chem), M.Sc., MEIANZ
Director and Principal Environmental Auditor

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD

A.B.N. 44 079 213 988
PO Box 98, Battery Point, Hobart, Tasmania 7004 Australia
Telephone: 0411 724 476 Email: nubak1512@gmail.com

22nd June 2023

Judith Louvel
Unit Head
Broken Hill Environmental Lead Program
32 Sulphide Street
Broken Hill NSW 2880

By email: judith.louvel@epa.nsw.gov.au

Dear Judith Louvel

Rasp Lead/Zinc/Silver Project (Broken Hill) – Independent Environmental Audit 2023

Integrated Environmental Systems Pty Ltd has been engaged by the proponent, Broken Hill Operations Pty Limited (a wholly owned subsidiary of CBH Resources Limited) to undertake an Independent Environmental Audit (audit) of the Rasp Project in July 2023. This audit is required by the consolidated Project Approval MP07_0018 as most recently modified on 13th December 2022 (Modification 10). I am the Lead Auditor for this audit.

Schedule 4, Condition 7(a) of the consolidated Project Approval requires this audit to be prepared in accordance with the NSW Government's *Independent Audit Post Approval Requirements* (IPAR) (May 2020), linked here: <https://www.planning.nsw.gov.au/sites/default/files/2023-02/independent-audit-par-202005.pdf>

The proposed scope of this audit will include an assessment of the proponent's compliance with the applicable conditions of the consolidated Project Approval, and an assessment of other relevant matters as described in Section 3.3 of the IPAR. We developed this proposed audit scope according to the requirements in Schedule 4, Condition 7 of the consolidated Project Approval and Sections 3.2 and 3.3 of the IPAR.

Please note that for this audit in July 2023, the conditions of Environment Protection Licence No. 12550 and Consolidated Mining Lease 7, both of which were previously audited under the NSW Government's *Independent Audit Guideline, Post-approval requirements for State significant developments* (October 2015), are not within the audit scope. Schedule 4, Condition 7 of the consolidated Project Approval no longer requires an Independent Environmental Audit to assess compliance with the requirements of EPL No. 12550 or CML7.

The audit period for this audit will be from 12th March 2022 (the day after the auditors' last day of on-site attendance at the previous Independent Environmental Audit) to 7th July 2023 (the scheduled last day of the auditors' on-site attendance at this audit).

In accordance with Sections 3.2 and 3.3 of the IPAR, we request/invite your agency to:

1. provide input into the scope of this audit as proposed above (to enable us to refine the audit scope if needed);
2. raise any specific environmental issues of concern regarding the Rasp Project; and
3. provide feedback on the environmental management and/or environmental performance of the Rasp Project from 12th March 2022 to date.

The audit team (Kurt Hammerschmid – Lead Auditor, and Adam Jones – Auditor) will attend the Rasp Project site at 130 Eyre Street, Broken Hill, from **Monday 3rd to Friday 7th July 2023**. The auditors will undertake a site inspection during this attendance.

If your agency wishes to respond to this request/invitation, please email your agency's response to me at: nubak1512@gmail.com, on or before close of business on **Friday 30th June 2023**.

This letter and your written response (if any) will be included in the final issued version of the independent environmental audit report.

Yours sincerely,

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD


Kurt Hammerschmid B.App.Sc. (Chem), M.Sc., MEIANZ
Director and Principal Environmental Auditor

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD

A.B.N. 44 079 213 988
PO Box 98, Battery Point, Hobart, Tasmania 7004 Australia
Telephone: 0411 724 476 Email: nubak1512@gmail.com

22nd June 2023

Shaun Barker
Group Leader – Natural Resources and Property Management
Crown Land, NSW DPI
45 Wingewarra Street
Dubbo NSW 2830

By email: shaun.barker@crowland.nsw.gov.au

Dear Shaun Barker

Rasp Lead/Zinc/Silver Project (Broken Hill) – Independent Environmental Audit 2023

Integrated Environmental Systems Pty Ltd has been engaged by the proponent, Broken Hill Operations Pty Limited (a wholly owned subsidiary of CBH Resources Limited) to undertake an Independent Environmental Audit (audit) of the Rasp Project in July 2023. This audit is required by the consolidated Project Approval MP07_0018 as most recently modified on 13th December 2022 (Modification 10). I am the Lead Auditor for this audit.

Schedule 4, Condition 7(a) of the consolidated Project Approval requires this audit to be prepared in accordance with the NSW Government's *Independent Audit Post Approval Requirements* (IPAR) (May 2020), linked here: <https://www.planning.nsw.gov.au/sites/default/files/2023-02/independent-audit-par-202005.pdf>

The proposed scope of this audit will include an assessment of the proponent's compliance with the applicable conditions of the consolidated Project Approval, and an assessment of other relevant matters as described in Section 3.3 of the IPAR. We developed this proposed audit scope according to the requirements in Schedule 4, Condition 7 of the consolidated Project Approval and Sections 3.2 and 3.3 of the IPAR.

Please note that for this audit in July 2023, the conditions of Environment Protection Licence No. 12550 and Consolidated Mining Lease 7, both of which were previously audited under the NSW Government's *Independent Audit Guideline, Post-approval requirements for State significant developments* (October 2015), are not within the audit scope. Schedule 4, Condition 7 of the consolidated Project Approval no longer requires an Independent Environmental Audit to assess compliance with the requirements of EPL No. 12550 or CML7.

The audit period for this audit will be from 12th March 2022 (the day after the auditors' last day of on-site attendance at the previous Independent Environmental Audit) to 7th July 2023 (the scheduled last day of the auditors' on-site attendance at this audit).

In accordance with Sections 3.2 and 3.3 of the IPAR, we request/invite your agency to:

1. provide input into the scope of this audit as proposed above (to enable us to refine the audit scope if needed);
2. raise any specific environmental issues of concern regarding the Rasp Project; and
3. provide feedback on the environmental management and/or environmental performance of the Rasp Project from 12th March 2022 to date.

The audit team (Kurt Hammerschmid – Lead Auditor, and Adam Jones – Auditor) will attend the Rasp Project site at 130 Eyre Street, Broken Hill, from **Monday 3rd to Friday 7th July 2023**. The auditors will undertake a site inspection during this attendance.

If your agency wishes to respond to this request/invitation, please email your agency's response to me at: nubak1512@gmail.com, on or before close of business on **Friday 30th June 2023**.

This letter and your written response (if any) will be included in the final issued version of the independent environmental audit report.

Yours sincerely,

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD


Kurt Hammerschmid B.App.Sc. (Chem), M.Sc., MEIANZ
Director and Principal Environmental Auditor

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD

A.B.N. 44 079 213 988
PO Box 98, Battery Point, Hobart, Tasmania 7004 Australia
Telephone: 0411 724 476 Email: rubak1512@gmail.com

22nd June 2023

Heather Middleton
Manager Mining Impacts
Dams Safety NSW
4 Parramatta Square, 12 Darcy Street
Parramatta NSW 2150

By email: info@damsafety.nsw.gov.au

Dear Heather Middleton

Rasp Lead/Zinc/Silver Project (Broken Hill) – Independent Environmental Audit 2023

Integrated Environmental Systems Pty Ltd has been engaged by the proponent, Broken Hill Operations Pty Limited (a wholly owned subsidiary of CBH Resources Limited) to undertake an Independent Environmental Audit (audit) of the Rasp Project in July 2023. This audit is required by the consolidated Project Approval MP07_0018 as most recently modified on 13th December 2022 (Modification 10). I am the Lead Auditor for this audit.

Schedule 4, Condition 7(a) of the consolidated Project Approval requires this audit to be prepared in accordance with the NSW Government's *Independent Audit Post Approval Requirements* (IPAR) (May 2020), linked here: <https://www.planning.nsw.gov.au/sites/default/files/2023-02/independent-audit-par-202005.pdf>

The proposed scope of this audit will include an assessment of the proponent's compliance with the applicable conditions of the consolidated Project Approval, and an assessment of other relevant matters as described in Section 3.3 of the IPAR. We developed this proposed audit scope according to the requirements in Schedule 4, Condition 7 of the consolidated Project Approval and Sections 3.2 and 3.3 of the IPAR.

Please note that for this audit in July 2023, the conditions of Environment Protection Licence No. 12559 and Consolidated Mining Lease 7, both of which were previously audited under the NSW Government's *Independent Audit Guideline, Post-approval requirements for State significant developments* (October 2015), are not within the audit scope. Schedule 4, Condition 7 of the consolidated Project Approval no longer requires an Independent Environmental Audit to assess compliance with the requirements of EPL No. 12559 or CML7.

The audit period for this audit will be from 12th March 2022 (the day after the auditors' last day of on-site attendance at the previous Independent Environmental Audit) to 7th July 2023 (the scheduled last day of the auditors' on-site attendance at this audit).

In accordance with Sections 3.2 and 3.3 of the IPAR, we request/invite your agency to:

1. provide input into the scope of this audit as proposed above (to enable us to refine the audit scope if needed);
2. raise any specific environmental issues of concern regarding the Rasp Project; and
3. provide feedback on the environmental management and/or environmental performance of the Rasp Project from 12th March 2022 to date.

The audit team (Kurt Hammerschmid – Lead Auditor, and Adam Jones – Auditor) will attend the Rasp Project site at 130 Eyre Street, Broken Hill, from **Monday 3rd to Friday 7th July 2023**. The auditors will undertake a site inspection during this attendance.

If your agency wishes to respond to this request/invitation, please email your agency's response to me at: rubak1512@gmail.com, on or before close of business on **Friday 30th June 2023**.

This letter and your written response (if any) will be included in the final issued version of the independent environmental audit report.

Yours sincerely,

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD


Kurt Hammerschmid B.App.Sc. (Chem), M.Sc., MEI/ANZ
Director and Principal Environmental Auditor

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD

A.B.N. 44 079 213 988
PO Box 98, Battery Point, Hobart, Tasmania 7004 Australia
Telephone: 0411 724 476 Email: rubak1512@gmail.com

22nd June 2023

Jason Price
Acting Unit Head – Regulatory Operations Regional
NSW Environment Protection Authority
48-52 Wingewarra Street
Dubbo NSW 2830

By email: riverina.farwest@epa.nsw.gov.au

Dear Jason Price

Rasp Lead/Zinc/Silver Project (Broken Hill) – Independent Environmental Audit 2023

Integrated Environmental Systems Pty Ltd has been engaged by the proponent, Broken Hill Operations Pty Limited (a wholly owned subsidiary of CBH Resources Limited) to undertake an Independent Environmental Audit (audit) of the Rasp Project in July 2023. This audit is required by the consolidated Project Approval MP07_0018 as most recently modified on 13th December 2022 (Modification 10). I am the Lead Auditor for this audit.

Schedule 4, Condition 7(a) of the consolidated Project Approval requires this audit to be prepared in accordance with the NSW Government's *Independent Audit Post Approval Requirements* (IPAR) (May 2020), linked here: <https://www.planning.nsw.gov.au/sites/default/files/2023-02/independent-audit-par-202005.pdf>

The proposed scope of this audit will include an assessment of the proponent's compliance with the applicable conditions of the consolidated Project Approval, and an assessment of other relevant matters as described in Section 3.3 of the IPAR. We developed this proposed audit scope according to the requirements in Schedule 4, Condition 7 of the consolidated Project Approval and Sections 3.2 and 3.3 of the IPAR.

Please note that for this audit in July 2023, the conditions of Environment Protection Licence No. 12559 and Consolidated Mining Lease 7, both of which were previously audited under the NSW Government's *Independent Audit Guideline, Post-approval requirements for State significant developments* (October 2015), are not within the audit scope. Schedule 4, Condition 7 of the consolidated Project Approval no longer requires an Independent Environmental Audit to assess compliance with the requirements of EPL No. 12559 or CML7.

The audit period for this audit will be from 12th March 2022 (the day after the auditors' last day of on-site attendance at the previous Independent Environmental Audit) to 7th July 2023 (the scheduled last day of the auditors' on-site attendance at this audit).

In accordance with Sections 3.2 and 3.3 of the IPAR, we request/invite your agency to:

1. provide input into the scope of this audit as proposed above (to enable us to refine the audit scope if needed);
2. raise any specific environmental issues of concern regarding the Rasp Project; and
3. provide feedback on the environmental management and/or environmental performance of the Rasp Project from 12th March 2022 to date.

The audit team (Kurt Hammerschmid – Lead Auditor, and Adam Jones – Auditor) will attend the Rasp Project site at 130 Eyre Street, Broken Hill, from **Monday 3rd to Friday 7th July 2023**. The auditors will undertake a site inspection during this attendance.

If your agency wishes to respond to this request/invitation, please email your agency's response to me at: rubak1512@gmail.com, on or before close of business on **Friday 30th June 2023**.

This letter and your written response (if any) will be included in the final issued version of the independent environmental audit report.

Yours sincerely,

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD


Kurt Hammerschmid B.App.Sc. (Chem), M.Sc., MEI/ANZ
Director and Principal Environmental Auditor

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD

A.B.N. 44 079 213 988
PO Box 98, Battery Point, Hobart, Tasmania 7004 Australia
Telephone: 0411 724 476 Email: rubak1512@gmail.com

22nd June 2023

Tim Baker
Senior Water Regulation Officer
NSW DPIE Water, and Natural Resources Access Regulator
4 Parramatta Square, 12 Darcy Street
Parramatta NSW 2150

By email: tim.baker@dpie.nsw.gov.au

Dear Tim Baker

Rasp Lead/Zinc/Silver Project (Broken Hill) – Independent Environmental Audit 2023

Integrated Environmental Systems Pty Ltd has been engaged by the proponent, Broken Hill Operations Pty Limited (a wholly owned subsidiary of CBH Resources Limited) to undertake an Independent Environmental Audit (audit) of the Rasp Project in July 2023. This audit is required by the consolidated Project Approval MP07_0018 as most recently modified on 13th December 2022 (Modification 10). I am the Lead Auditor for this audit.

Schedule 4, Condition 7(a) of the consolidated Project Approval requires this audit to be prepared in accordance with the NSW Government's *Independent Audit Post Approval Requirements* (IPAR) (May 2020), linked here: <https://www.planning.nsw.gov.au/sites/default/files/2023-02/independent-audit-par-202005.pdf>

The proposed scope of this audit will include an assessment of the proponent's compliance with the applicable conditions of the consolidated Project Approval, and an assessment of other relevant matters as described in Section 3.3 of the IPAR. We developed this proposed audit scope according to the requirements in Schedule 4, Condition 7 of the consolidated Project Approval and Sections 3.2 and 3.3 of the IPAR.

Please note that for this audit in July 2023, the conditions of Environment Protection Licence No. 12559 and Consolidated Mining Lease 7, both of which were previously audited under the NSW Government's *Independent Audit Guideline, Post-approval requirements for State significant developments* (October 2015), are not within the audit scope. Schedule 4, Condition 7 of the consolidated Project Approval no longer requires an Independent Environmental Audit to assess compliance with the requirements of EPL No. 12559 or CML7.

The audit period for this audit will be from 12th March 2022 (the day after the auditors' last day of on-site attendance at the previous Independent Environmental Audit) to 7th July 2023 (the scheduled last day of the auditors' on-site attendance at this audit).

In accordance with Sections 3.2 and 3.3 of the IPAR, we request/invite your agency to:

1. provide input into the scope of this audit as proposed above (to enable us to refine the audit scope if needed);
2. raise any specific environmental issues of concern regarding the Rasp Project; and
3. provide feedback on the environmental management and/or environmental performance of the Rasp Project from 12th March 2022 to date.

The audit team (Kurt Hammerschmid – Lead Auditor, and Adam Jones – Auditor) will attend the Rasp Project site at 130 Eyre Street, Broken Hill, from **Monday 3rd to Friday 7th July 2023**. The auditors will undertake a site inspection during this attendance.

If your agency wishes to respond to this request/invitation, please email your agency's response to me at: rubak1512@gmail.com, on or before close of business on **Friday 30th June 2023**.

This letter and your written response (if any) will be included in the final issued version of the independent environmental audit report.

Yours sincerely,

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD


Kurt Hammerschmid B.App.Sc. (Chem), M.Sc., MEI/ANZ
Director and Principal Environmental Auditor

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD

A.B.N. 44 079 213 988
PO Box 98, Battery Point, Hobart, Tasmania 7004 Australia
Telephone: 0411 724 476 Email: rubak1512@gmail.com

22nd June 2023

Leanne Hastwell
Manager Community Health
Far West Local Health District (NSW Health)
and Broken Hill Community Health Centre
1st Floor, 2-4 Sulphide Street
Broken Hill NSW 2880

By email: leanne.hastwell@health.nsw.gov.au

Dear Leanne Hastwell

Rasp Lead/Zinc/Silver Project (Broken Hill) – Independent Environmental Audit 2023

Integrated Environmental Systems Pty Ltd has been engaged by the proponent, Broken Hill Operations Pty Limited (a wholly owned subsidiary of CBH Resources Limited) to undertake an Independent Environmental Audit (audit) of the Rasp Project in July 2023. This audit is required by the consolidated Project Approval MP07_0018 as most recently modified on 13th December 2022 (Modification 10). I am the Lead Auditor for this audit.

Schedule 4, Condition 7(a) of the consolidated Project Approval requires this audit to be prepared in accordance with the NSW Government's *Independent Audit Post Approval Requirements* (IPAR) (May 2020), linked here: <https://www.planning.nsw.gov.au/sites/default/files/2023-02/independent-audit-par-202005.pdf>

The proposed scope of this audit will include an assessment of the proponent's compliance with the applicable conditions of the consolidated Project Approval, and an assessment of other relevant matters as described in Section 3.3 of the IPAR. We developed this proposed audit scope according to the requirements in Schedule 4, Condition 7 of the consolidated Project Approval and Sections 3.2 and 3.3 of the IPAR.

Please note that for this audit in July 2023, the conditions of Environment Protection Licence No. 12559 and Consolidated Mining Lease 7, both of which were previously audited under the NSW Government's *Independent Audit Guideline, Post-approval requirements for State significant developments* (October 2015), are not within the audit scope. Schedule 4, Condition 7 of the consolidated Project Approval no longer requires an Independent Environmental Audit to assess compliance with the requirements of EPL No. 12559 or CML7.

The audit period for this audit will be from 12th March 2022 (the day after the auditors' last day of on-site attendance at the previous Independent Environmental Audit) to 7th July 2023 (the scheduled last day of the auditors' on-site attendance at this audit).

In accordance with Sections 3.2 and 3.3 of the IPAR, we request/invite your agency to:

1. provide input into the scope of this audit as proposed above (to enable us to refine the audit scope if needed);
2. raise any specific environmental issues of concern regarding the Rasp Project; and
3. provide feedback on the environmental management and/or environmental performance of the Rasp Project from 12th March 2022 to date.

The audit team (Kurt Hammerschmid – Lead Auditor, and Adam Jones – Auditor) will attend the Rasp Project site at 130 Eyre Street, Broken Hill, from **Monday 3rd to Friday 7th July 2023**. The auditors will undertake a site inspection during this attendance.

If your agency wishes to respond to this request/invitation, please email your agency's response to me at: rubak1512@gmail.com, on or before close of business on **Friday 30th June 2023**.

This letter and your written response (if any) will be included in the final issued version of the independent environmental audit report.

Yours sincerely,

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD


Kurt Hammerschmid B.App.Sc. (Chem), M.Sc., MEI/ANZ
Director and Principal Environmental Auditor



22nd June 2023

22nd June 2023

Tempe Beaven
Senior Heritage Assessment Officer
Heritage NSW
Level 6, 10 Valentine Avenue
Parramatta NSW 2150

Kaylene Kemp
Executive Manager - Primary Health Care Service
Maari Ma Health
430-443 Argent Street
Broken Hill NSW 2880

By email: tempe.beaven@environment.nsw.gov.au

By email: info@maarima.com.au

Dear Tempe Beaven

Dear Kaylene Kemp

Rasp Lead/Zinc/Silver Project (Broken Hill) - Independent Environmental Audit 2023

Rasp Lead/Zinc/Silver Project (Broken Hill) - Independent Environmental Audit 2023

Integrated Environmental Systems Pty Ltd has been engaged by the proponent, Broken Hill Operations Pty Limited (a wholly owned subsidiary of CBH Resources Limited) to undertake an Independent Environmental Audit (audit) of the Rasp Project in July 2023. This audit is required by the consolidated Project Approval MP07_0018 as most recently modified on 13th December 2022 (Modification 10). I am the Lead Auditor for this audit.

Integrated Environmental Systems Pty Ltd has been engaged by the proponent, Broken Hill Operations Pty Limited (a wholly owned subsidiary of CBH Resources Limited) to undertake an Independent Environmental Audit (audit) of the Rasp Project in July 2023. This audit is required by the consolidated Project Approval MP07_0018 as most recently modified on 13th December 2022 (Modification 10). I am the Lead Auditor for this audit.

Schedule 4, Condition 7(a) of the consolidated Project Approval requires this audit to be prepared in accordance with the NSW Government's Independent Audit Post Approval Requirements (IPAR) (May 2020), linked here: https://www.planning.nsw.gov.au/sites/default/files/2023-02/independent-audit-par-202005.pdf

Schedule 4, Condition 7(a) of the consolidated Project Approval requires this audit to be prepared in accordance with the NSW Government's Independent Audit Post Approval Requirements (IPAR) (May 2020), linked here: https://www.planning.nsw.gov.au/sites/default/files/2023-02/independent-audit-par-202005.pdf

The proposed scope of this audit will include an assessment of the proponent's compliance with the applicable conditions of the consolidated Project Approval, and an assessment of other relevant matters as described in Section 3.3 of the IPAR. We developed this proposed audit scope according to the requirements in Schedule 4, Condition 7 of the consolidated Project Approval and Sections 3.2 and 3.3 of the IPAR.

The proposed scope of this audit will include an assessment of the proponent's compliance with the applicable conditions of the consolidated Project Approval, and an assessment of other relevant matters as described in Section 3.3 of the IPAR. We developed this proposed audit scope according to the requirements in Schedule 4, Condition 7 of the consolidated Project Approval and Sections 3.2 and 3.3 of the IPAR.

Please note that for this audit in July 2023, the conditions of Environment Protection Licence No. 12559 and Consolidated Mining Lease 7, both of which were previously audited under the NSW Government's Independent Audit Guideline, Post-approval requirements for State significant developments (October 2015), are not within the audit scope. Schedule 4, Condition 7 of the consolidated Project Approval no longer requires an Independent Environmental Audit to assess compliance with the requirements of EPL No. 12559 or CML7.

Please note that for this audit in July 2023, the conditions of Environment Protection Licence No. 12559 and Consolidated Mining Lease 7, both of which were previously audited under the NSW Government's Independent Audit Guideline, Post-approval requirements for State significant developments (October 2015), are not within the audit scope. Schedule 4, Condition 7 of the consolidated Project Approval no longer requires an Independent Environmental Audit to assess compliance with the requirements of EPL No. 12559 or CML7.

The audit period for this audit will be from 12th March 2022 (the day after the auditors' last day of on-site attendance at the previous Independent Environmental Audit) to 7th July 2023 (the scheduled last day of the auditors' on-site attendance at this audit).

The audit period for this audit will be from 12th March 2022 (the day after the auditors' last day of on-site attendance at the previous Independent Environmental Audit) to 7th July 2023 (the scheduled last day of the auditors' on-site attendance at this audit).

In accordance with Sections 3.2 and 3.3 of the IPAR, we request/invite your agency to:

In accordance with Sections 3.2 and 3.3 of the IPAR, we request/invite your agency to:

- 1. provide input into the scope of this audit as proposed above (to enable us to refine the audit scope if needed);
2. raise any specific environmental issues of concern regarding the Rasp Project; and
3. provide feedback on the environmental management and/or environmental performance of the Rasp Project from 12th March 2022 to date.

- 1. provide input into the scope of this audit as proposed above (to enable us to refine the audit scope if needed);
2. raise any specific environmental issues of concern regarding the Rasp Project; and
3. provide feedback on the environmental management and/or environmental performance of the Rasp Project from 12th March 2022 to date.

The audit team (Kurt Hammerschmid - Lead Auditor, and Adam Jones - Auditor) will attend the Rasp Project site at 130 Eyre Street, Broken Hill, from Monday 3rd to Friday 7th July 2023. The auditors will undertake a site inspection during this attendance.

The audit team (Kurt Hammerschmid - Lead Auditor, and Adam Jones - Auditor) will attend the Rasp Project site at 130 Eyre Street, Broken Hill, from Monday 3rd to Friday 7th July 2023. The auditors will undertake a site inspection during this attendance.

If your agency wishes to respond to this request/invitation, please email your agency's response to me at: rubak1512@gmail.com, on or before close of business on Friday 30th June 2023.

If your agency wishes to respond to this request/invitation, please email your agency's response to me at: rubak1512@gmail.com, on or before close of business on Friday 30th June 2023.

This letter and your written response (if any) will be included in the final issued version of the independent environmental audit report.

This letter and your written response (if any) will be included in the final issued version of the independent environmental audit report.

Yours sincerely,
INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD

Yours sincerely,
INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD

Kurt Hammerschmid

Kurt Hammerschmid

Kurt Hammerschmid B.App.Sc. (Chem), M.Sc., M.E.I.A.N.Z
Director and Principal Environmental Auditor

Kurt Hammerschmid B.App.Sc. (Chem), M.Sc., M.E.I.A.N.Z
Director and Principal Environmental Auditor



22nd June 2023

22nd June 2023

Christine Fawcett
Manager Environmental Operations
Department of Regional NSW - Mining, Exploration and Geoscience
516 High Street
Maitland NSW 2320

Ben Gazi
Inspector Environment - Compliance Operations
Department of Regional NSW - Resources Regulator
161 Kite Street
Orange NSW 2800

By email: christine.fawcett@planning.nsw.gov.au

By email: ben.gazi@planning.nsw.gov.au

Dear Christine Fawcett

Dear Ben Gazi

Rasp Lead/Zinc/Silver Project (Broken Hill) - Independent Environmental Audit 2023

Rasp Lead/Zinc/Silver Project (Broken Hill) - Independent Environmental Audit 2023

Integrated Environmental Systems Pty Ltd has been engaged by the proponent, Broken Hill Operations Pty Limited (a wholly owned subsidiary of CBH Resources Limited) to undertake an Independent Environmental Audit (audit) of the Rasp Project in July 2023. This audit is required by the consolidated Project Approval MP07_0018 as most recently modified on 13th December 2022 (Modification 10). I am the Lead Auditor for this audit.

Integrated Environmental Systems Pty Ltd has been engaged by the proponent, Broken Hill Operations Pty Limited (a wholly owned subsidiary of CBH Resources Limited) to undertake an Independent Environmental Audit (audit) of the Rasp Project in July 2023. This audit is required by the consolidated Project Approval MP07_0018 as most recently modified on 13th December 2022 (Modification 10). I am the Lead Auditor for this audit.

Schedule 4, Condition 7(a) of the consolidated Project Approval requires this audit to be prepared in accordance with the NSW Government's Independent Audit Post Approval Requirements (IPAR) (May 2020), linked here: https://www.planning.nsw.gov.au/sites/default/files/2023-02/independent-audit-par-202005.pdf

Schedule 4, Condition 7(a) of the consolidated Project Approval requires this audit to be prepared in accordance with the NSW Government's Independent Audit Post Approval Requirements (IPAR) (May 2020), linked here: https://www.planning.nsw.gov.au/sites/default/files/2023-02/independent-audit-par-202005.pdf

The proposed scope of this audit will include an assessment of the proponent's compliance with the applicable conditions of the consolidated Project Approval, and an assessment of other relevant matters as described in Section 3.3 of the IPAR. We developed this proposed audit scope according to the requirements in Schedule 4, Condition 7 of the consolidated Project Approval and Sections 3.2 and 3.3 of the IPAR.

The proposed scope of this audit will include an assessment of the proponent's compliance with the applicable conditions of the consolidated Project Approval, and an assessment of other relevant matters as described in Section 3.3 of the IPAR. We developed this proposed audit scope according to the requirements in Schedule 4, Condition 7 of the consolidated Project Approval and Sections 3.2 and 3.3 of the IPAR.

Please note that for this audit in July 2023, the conditions of Environment Protection Licence No. 12559 and Consolidated Mining Lease 7, both of which were previously audited under the NSW Government's Independent Audit Guideline, Post-approval requirements for State significant developments (October 2015), are not within the audit scope. Schedule 4, Condition 7 of the consolidated Project Approval no longer requires an Independent Environmental Audit to assess compliance with the requirements of EPL No. 12559 or CML7.

Please note that for this audit in July 2023, the conditions of Environment Protection Licence No. 12559 and Consolidated Mining Lease 7, both of which were previously audited under the NSW Government's Independent Audit Guideline, Post-approval requirements for State significant developments (October 2015), are not within the audit scope. Schedule 4, Condition 7 of the consolidated Project Approval no longer requires an Independent Environmental Audit to assess compliance with the requirements of EPL No. 12559 or CML7.

The audit period for this audit will be from 12th March 2022 (the day after the auditors' last day of on-site attendance at the previous Independent Environmental Audit) to 7th July 2023 (the scheduled last day of the auditors' on-site attendance at this audit).

The audit period for this audit will be from 12th March 2022 (the day after the auditors' last day of on-site attendance at the previous Independent Environmental Audit) to 7th July 2023 (the scheduled last day of the auditors' on-site attendance at this audit).

In accordance with Sections 3.2 and 3.3 of the IPAR, we request/invite your agency to:

In accordance with Sections 3.2 and 3.3 of the IPAR, we request/invite your agency to:

- 1. provide input into the scope of this audit as proposed above (to enable us to refine the audit scope if needed);
2. raise any specific environmental issues of concern regarding the Rasp Project; and
3. provide feedback on the environmental management and/or environmental performance of the Rasp Project from 12th March 2022 to date.

- 1. provide input into the scope of this audit as proposed above (to enable us to refine the audit scope if needed);
2. raise any specific environmental issues of concern regarding the Rasp Project; and
3. provide feedback on the environmental management and/or environmental performance of the Rasp Project from 12th March 2022 to date.

The audit team (Kurt Hammerschmid - Lead Auditor, and Adam Jones - Auditor) will attend the Rasp Project site at 130 Eyre Street, Broken Hill, from Monday 3rd to Friday 7th July 2023. The auditors will undertake a site inspection during this attendance.

The audit team (Kurt Hammerschmid - Lead Auditor, and Adam Jones - Auditor) will attend the Rasp Project site at 130 Eyre Street, Broken Hill, from Monday 3rd to Friday 7th July 2023. The auditors will undertake a site inspection during this attendance.

If your agency wishes to respond to this request/invitation, please email your agency's response to me at: rubak1512@gmail.com, on or before close of business on Friday 30th June 2023.

If your agency wishes to respond to this request/invitation, please email your agency's response to me at: rubak1512@gmail.com, on or before close of business on Friday 30th June 2023.

This letter and your written response (if any) will be included in the final issued version of the independent environmental audit report.

This letter and your written response (if any) will be included in the final issued version of the independent environmental audit report.

Yours sincerely,
INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD

Yours sincerely,
INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD

Kurt Hammerschmid

Kurt Hammerschmid

Kurt Hammerschmid B.App.Sc. (Chem), M.Sc., M.E.I.A.N.Z
Director and Principal Environmental Auditor

Kurt Hammerschmid B.App.Sc. (Chem), M.Sc., M.E.I.A.N.Z
Director and Principal Environmental Auditor

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD

A.B.N. 44 079 213 965
 PO Box 98, Battery Point, Hobart, Tasmania 7004 Australia
 Telephone: 0411 724 476 Email: rubak1512@gmail.com

22nd June 2023

Howard Orr
 Team Leader
 Transport for NSW
 Level 1, 55 Currajong Street
 Parkes NSW 2870

By email: development.western@transport.nsw.gov.au

Dear Howard Orr

Rasp Lead/Zinc/Silver Project (Broken Hill) – Independent Environmental Audit 2023

Integrated Environmental Systems Pty Ltd has been engaged by the proponent, Broken Hill Operations Pty Limited (a wholly owned subsidiary of CBH Resources Limited) to undertake an Independent Environmental Audit (audit) of the Rasp Project in July 2023. This audit is required by the consolidated Project Approval MP07_0018 as most recently modified on 13th December 2022 (Modification 10). I am the Lead Auditor for this audit.

Schedule 4, Condition 7(a) of the consolidated Project Approval requires this audit to be prepared in accordance with the NSW Government's *Independent Audit Post Approval Requirements* (IPAR) (May 2020), linked here: <https://www.planning.nsw.gov.au/sites/default/files/2023-02/independent-audit-par-202005.pdf>

The proposed scope of this audit will include an assessment of the proponent's compliance with the applicable conditions of the consolidated Project Approval, and an assessment of other relevant matters as described in Section 3.3 of the IPAR. We developed this proposed audit scope according to the requirements in Schedule 4, Condition 7 of the consolidated Project Approval and Sections 3.2 and 3.3 of the IPAR.

Please note that for this audit in July 2023, the conditions of Environment Protection Licence No. 12559 and Consolidated Mining Lease 7, both of which were previously audited under the NSW Government's *Independent Audit Guideline, Post-approval requirements for State significant developments* (October 2015), are not within the audit scope. Schedule 4, Condition 7 of the consolidated Project Approval no longer requires an Independent Environmental Audit to assess compliance with the requirements of EPL No. 12559 or CML7.

The audit period for this audit will be from 12th March 2022 (the day after the auditors' last day of on-site attendance at the previous Independent Environmental Audit) to 7th July 2023 (the scheduled last day of the auditors' on-site attendance at this audit).

In accordance with Sections 3.2 and 3.3 of the IPAR, we request/invite your agency to:

1. provide input into the scope of this audit as proposed above (to enable us to refine the audit scope if needed);
2. raise any specific environmental issues of concern regarding the Rasp Project; and
3. provide feedback on the environmental management and/or environmental performance of the Rasp Project from 12th March 2022 to date.

The audit team (Kurt Hammerschmid – Lead Auditor, and Adam Jones – Auditor) will attend the Rasp Project site at 130 Eyre Street, Broken Hill, from **Monday 3rd to Friday 7th July 2023**. The auditors will undertake a site inspection during this attendance.

If your agency wishes to respond to this request/invitation, please email your agency's response to me at: rubak1512@gmail.com, on or before close of business on **Friday 30th June 2023**.

This letter and your written response (if any) will be included in the final issued version of the independent environmental audit report.

Yours sincerely,

INTEGRATED ENVIRONMENTAL SYSTEMS PTY LTD



Kurt Hammerschmid a.App.Sc. (Chem), M.Sc., MEI/ANZ
 Director and Principal Environmental Auditor



AREQ0042079

Mr Kurt Hammerschmid
PO Box 98
Battery Point
Hobart TAS 7004

By email: rubak1512@gmail.com

Dear Mr Hammerschmid,

Subject: Rasp Mine – Independent Environmental Audit

Thank you for your email and letter dated 22 June 2023 requesting consultation on the independent environmental audit to be undertaken of the Rasp Mine which is covered by Consolidated Mining Lease 7 (Act 1973) (CML7).

The independent environmental audit is required to assess compliance against the relevant environmental management conditions of the mining leases up to 1 July 2022, including implementation of the mining operations plan for the site.

From 2 July 2022, the independent environmental audit should provide an assessment of compliance with the requirements of Schedule 8A Standard conditions of mining leases, Part 2 Standard conditions, as set out in the Mining Regulation 2016. It is noted that CML7 and the 4 mining purposes leases that comprise the Rasp Mine have been approved by the Regulator to be treated as a single lease for the purposes of Part 2 of Schedule 8A.

The audit should note observations where rehabilitation procedures, practices and outcomes represent best industry practice. It would be appreciated if a copy of the final audit report could be sent to the Regulator at nswresourcesregulator@service-now.com upon completion of the audit.

Yours sincerely

Jenny Ehmsen
Principal Compliance Auditor
29 June 2023

NSW Resources Regulator
516 High Street Maitland NSW 2320 | PO Box 344 HRMC NSW 2310 | Tel: 1300 814 609 |
resourcesregulator.nsw.gov.au

From: [ROG South West Region Mailbox](#)
Sent: Thursday, 29 June 2023 11:48 AM
To: rubak1512@gmail.com
Subject: RE: agency consultation - Broken Hill Operations Rasp Mine Independent Environmental Audit 2023

Dear Mr Hammerschmid,

Thank you for your letter dated 22 June 2023 seeking input from the Biodiversity and Conservation Division (BCD) of the Department of Planning and Environment seeking input into the Broken Hill Operations Rasp Mine - Independent Environmental Audit 2023.

BCD has no specific environmental issues or concerns to raise about the project and is satisfied that the audit of project approval conditions will identify any issues.

Thanks

Simon Maffei
A/Senior Team Leader, Planning – South West

Biodiversity and Conservation | Department of Planning and Environment
T 02 6022 0619 | E simon.maffei@environment.nsw.gov.au
PO Box 1040, 512 Dean St, Albury NSW 2640
www.dpie.nsw.gov.au

Contact the South West Planning Team about biodiversity and flood management planning matters by emailing rog.southwest@environment.nsw.gov.au.



The Department of Planning and Environment acknowledges that it stands on Aboriginal land. We acknowledge the traditional custodians of the land and we show our respect for elders past, present and emerging through thoughtful and collaborative approaches to our work, seeking to demonstrate our ongoing commitment to providing places in which Aboriginal people are included socially, culturally and economically.

Appendix D:

Planning Secretary's Endorsement of Lead Auditor

Department of Planning and Environment



Mr Devon Roberts
Senior Environmental Advisor
CBH Resources
Rasp Mine Broken Hill Operations Pty Ltd

15/06/2023

RASP MINE – MP07_0018
Independent Environmental Audit - Team Approval

Dear Mr Roberts

I refer to your request dated 6 June 2023 for the Planning Secretary's approval of Mr Kurt Hammerschmid to undertake the Independent Environmental Audit (IEA) and prepare the IEA report as required under Condition 7 of Schedule 4 of Project Approval 07_0018 (as modified) for RASP Mine.

The Department has reviewed the nomination and information you have provided and is satisfied that Mr Hammerschmid of Integrated Environmental Systems Pty Ltd is suitably qualified and experienced. Accordingly, I can advise that the Planning Secretary approves the appointment of Mr Hammerschmid to undertake the IEA and prepare the IEA report.

The audit must be undertaken in accordance with condition consent and the Independent Audit Post Approval Requirements (Department 2020 or as updated). A copy of the guideline can be located at <http://planning.nsw.gov.au/Policy-and-Legislation/Mining-and-Resources/Integrated-Mining-Policy>. Failure to meet these requirements will require revision and resubmission of the Audit Report.

This approval is conditional on Mr Hammerschmid being independent of the development and maintaining Exemplar Global certification. The department reserves the right to request an alternate auditor or audit team for future audits.

Prior to submitting the audit report to the Secretary, it is recommended that RASP review the report to ensure it complies with the relevant consent condition.

If you wish to discuss the matter further, please contact me on 0429400261.

Yours sincerely

A handwritten signature in black ink, appearing to read "K. O'Reilly".

Katrina O'Reilly
Team Leader - Compliance
Compliance
As nominee of the Planning Secretary

4 Parramatta Square, 12 Darcy Street, Parramatta NSW 2150 www.dpie.nsw.gov.au 1
Locked Bag 5022, Parramatta NSW 2124

Appendix E: Independent Audit Declaration

Project Name	Rasp Project
Consent Number	Project Approval 07_0018 (consolidated, as of 13 December 2022)
Description of Project	Rasp Project
Project Address	130 Eyre Street, Broken Hill NSW 2880
Proponent	Broken Hill Operations Pty Ltd
Title of Audit	Rasp Project Independent Environmental Audit Report 2023
Date	1 September 2023

I declare that I have undertaken the Independent Audit and prepared the contents of the attached Independent Audit Report and to the best of my knowledge:

- i. the audit has been undertaken in accordance with relevant condition(s) of consent and the Independent Audit Compliance Requirements (Department, May 2020);
- ii. the findings of the audit are reported truthfully, accurately and completely;
- iii. I have exercised due diligence and professional judgement in conducting the audit;
- iv. I have acted professionally, objectively and in an unbiased manner;
- v. I am not related to any proponent, owner or operator of the project neither as an employer, business partner, employee, or by sharing a common employer, having a contractual arrangement outside the audit, or by relationship as spouse, partner, sibling, parent, or child;
- vi. I do not have any pecuniary interest in the audited project, including where there is a reasonable likelihood or expectation of financial gain or loss to me or spouse, partner, sibling, parent, or child;
- vii. neither I nor my employer have provided consultancy services for the audited project that were subject to this audit except as otherwise declared to the Department prior to the audit; and
- viii. I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from payment for auditing services) from any proponent, owner or operator of the project, their employees or any interested party. I have not knowingly allowed, nor intend to allow my colleagues to do so.

Notes:

- a) Under section 10.6 of the Environmental Planning and Assessment Act 1979 a person must not include false or misleading information (or provide information for inclusion in) in a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is false or misleading in a material respect. The proponent of an approved project must not fail to include information in (or provide information for inclusion in) a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is materially relevant to the monitoring or audit. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000; and
- b) The Crimes Act 1900 contains other offences relating to false and misleading information: section 307B (giving false or misleading information – maximum penalty 2 years imprisonment or 200 penalty units, or both).

Name of Auditor	Kurt Hammerschmid
Signature	
Qualification	Lead Auditor B.App.Sc. (Chem), M.Sc., MEIANZ
Company	Integrated Environmental Systems Pty Ltd
Company Address	PO Box 98 Battery Point, Hobart, Tasmania 7004

Appendix F: Site Inspection Photographs

In accordance with Section 3.7.1 of the NSW Government's *Independent Audit Post Approval Requirements* (May 2020), this Appendix comprises selected site inspection photographs taken during this July 2023 audit.



Photo 1 – S49 Ryan Street Dam (3 July 2023)



Photo 2 – Diesel pump at S49 Ryan Street Dam (3 July 2023)



Photo 3 – S14 House Dam (5 July 2023)



Photo 4 – Location of Mill Overflow Pond incident of 30 July 2022 viewed from Holten Drive (3 July 2023)



Photo 5 – Redundant fuel tank behind the Rasp Mine Stores lot (5 July 2023)



Photo 6 – TSF2 embankment and trench as cleaned-up after TSF2 embankment seepage incident of 24 December 2022 (5 July 2023)



Photo 7 – Proprietary Square as cleaned-up after TSF2 embankment seepage incident of 24 December 2022 (3 July 2023)



Photo 8 (BHP-supplied) – Underground lubricant storage (6 July 2023)



Photo 9 (BHP-supplied) – Underground magazine/detonator storage (5 July 2023)



Photo 10 – Mod 6 boxcut works in progress (5 July 2023)



Photo 11 – Mod 10 TSF2 works in progress (Mod 6) (3 July 2023)

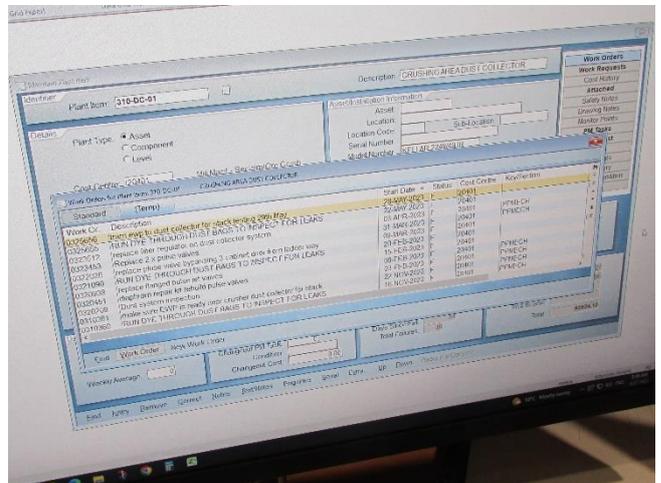


Photo 12 – Pronto screen showing work order history for 'Crushing Area Dust Collector' (Crusher Baghouse) (5 July 2023)



Photo 13 – Equipment on wet floor in workshop (5 July 2023)



Photo 14 – Uncontained waste in workshop area (5 July 2023)



Photo 15 – Dust suppressant used on Mt Hebbard (5 July 2023)



Photo 16 – Contracted road sweeper in use near site entrance (3 July 2023)



Photo 17 – Water truck in use on TSF2 (3 July 2023)



Photo 18 – BAM1 (foreground) and TEOM1 at Lawton Street (Essential Water compound) (3 July 2023)



Photo 19 – Screenshots of ‘Kite’ Dust risk reports for CBH – 21 June 2023 and 30 June 2023 (4 July 2023)



Photo 20 – Rail loadout area dirt-covered sealed road surface (5 July 2023)



Photo 21 – Heavy vehicle tyre tracks off sealed road surface on road from rail loadout area to Mill (5 July 2023)



Photo 22 – Crusher enclosure door not fully closed (5 July 2023)



Photo 23 – Enclosed conveyors from Crusher enclosure to Mill (5 July 2023)

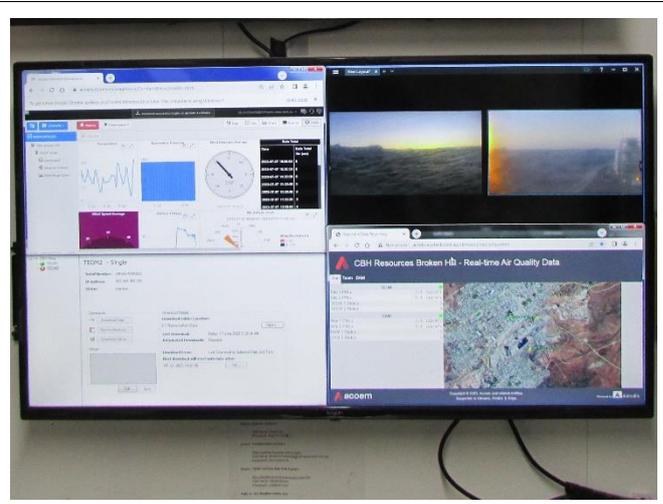


Photo 24 – Monitoring of TEOMs and BAMs (bottom two screens), weather station dashboard (top left) and monitoring of TSF2 (top right) in Emergency Services Office (7 July 2023)



Photo 25 – Blast monitor at monitoring point V6 (5 July 2023)



Photo 26 – Heritage structures on CML7 (5 July 2023)



Photo 27 – Used batteries stored in laydown area instead of allocated waste battery IBC next to workshop (5 July 2023)



Photo 28 – High quality recyclable steel incorrectly disposed in a general waste skip near workshop (5 July 2023)



Photo 29 – Mixing of hydrocarbon-contaminated and general waste streams in workshop area (5 July 2023)



Photo 30 – Poor waste segregation/disposal near the heavy equipment washbay (5 July 2023)