

Table 1: Baal Bone Colliery - Response to Audit Recommendations relating to non-compliances

Rec #.	Aspect	Condition	Recommendation	Proponent's Proposed Action/Action taken/Response	Proposed Action Due Date																														
Non-compliance Recommendations																																			
(EPL 765) L 2.4	Water and /or Land Concentration limits.	<p>Water and/or Land Concentration Limits</p> <p>POINT 16.17</p> <table border="1"> <thead> <tr> <th>Pollutant</th> <th>Units of Measure</th> <th>50 percentile concentration limit</th> <th>90 percentile concentration limit</th> <th>100M concentration limit</th> <th>100 percentile concentration limit</th> </tr> </thead> <tbody> <tr> <td>Iron (dissolved)</td> <td>milligrams per litre</td> <td></td> <td></td> <td></td> <td>1.0</td> </tr> <tr> <td>Oil and Grease</td> <td>milligrams per litre</td> <td></td> <td></td> <td></td> <td>10</td> </tr> <tr> <td>pH</td> <td>pH</td> <td></td> <td></td> <td></td> <td>6.5-8.5</td> </tr> <tr> <td>Total suspended solids</td> <td>milligrams per litre</td> <td></td> <td></td> <td></td> <td>50</td> </tr> </tbody> </table>	Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	100M concentration limit	100 percentile concentration limit	Iron (dissolved)	milligrams per litre				1.0	Oil and Grease	milligrams per litre				10	pH	pH				6.5-8.5	Total suspended solids	milligrams per litre				50	Continue to monitor the spring around the Overshot dam. If exceedances continue - implement methods outlined in the Gauge report. It should be noted that the spring can only be accessed for sampling when the Overshot Dam is almost empty. As the spring is only a few metres from the Overshot Dam/LDP16, there is little value/difference when full.	Surface Water Monitoring Plan will be altered to include monthly sampling at the spring (OSD Bay NW) if there is no flow over/through the Overshot Dam.	31 May 2023
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PA 09_0178 Sch 3 Cond 14	Water Discharge	The Proponent shall ensure that all surface water discharges from the site comply with the discharge limits (both volume and quality) set for the project in any EPL.	(As Above)	As above	As above																														

Table 2: Baal Bone Colliery - Response to Audit Recommendations for continual improvement

Rec #.	Aspect	Condition	Recommendation	Proponent's Proposed Action/Action taken/Response	Proposed Action Due Date
Improvement Recommendations					
PA 09_0175					
Sch 3 Cond 1	Subsidence	The Proponent shall ensure that the project does not cause any exceedances of the performance measures.	The subsidence inspections that are prepared should assess against the criteria in S3 C1 (Subsidence performance measures). This would include public safety as a key feature. A consolidated figure and table of subsidence impacts should be developed within the Project Approval area, noting this is likely to include historical subsidence areas. Continue the liaison with National Parks that now manage the land over the historical mining areas.	Subsidence inspections currently assess public safety risks through use of a risk matrix, which considers the size of subsidence cracking, proximity to existing tracks and public accessibility. Consolidated figure and table of subsidence impacts to be developed. Consultation with NPWS is ongoing.	Complete 30 November 2023 Ongoing
Sch 3 Cond 17	Water Management Plan Site water Balance	17. The Site Water Balance must include details of: (a) sources of water supply; (b) water use on site; (c) water management on site; (d) off-site water transfers; and (e) reporting procedures.	IEMA recommends the installation of a longer-term spillway at the Northern Void (LDP17) to control the discharge of water with this be based on an engineering design. This will need to be a long-term stable design with minimal maintenance and should be capable of measuring volumes of discharge; and A permanent height gauge should be installed for the northern void.	Baal Bone Colliery is currently undertaking regular water level monitoring at the Northern Void and other key locations onsite to determine if high water levels are primarily due to above average rainfall associated with ongoing La Nina conditions. Following a data gathering period of at least 6 months, the most appropriate long-term solution for Northern Void water levels will be determined. A permanent water height gauge at the Northern Void has already been installed.	31 March 2024 Complete
Sch 3 Cond 18	Water Management Plan	The Erosion and Sediment Control Plan must: (a) be consistent with the requirements of the Managing Urban Stormwater,	PACKAGE 1: Implement the rehabilitation, erosion, and sediment control maintenance program	Rehabilitation maintenance (including ESC) is ongoing at Baal Bone Colliery and will continue to be implemented until	31 December 2023

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	Erosion and Sediment Control Plan	<p>Soils and Construction Volume 2E Mines and Quarries (DECCW, 2008), or its latest version;</p> <p>(b) identify activities that could cause soil erosion and generate sediment;</p> <p>(c) describe measures to minimise soil erosion and the potential for the transport of sediment to downstream waters;</p> <p>(d) describe the location, function, and capacity of erosion and sediment control structures; and</p> <p>(e) describe what measures would be implemented to maintain the structures over time</p>		<p>the site achieves certification and final sign off.</p> <p>Rehabilitation maintenance requirements are identified during monthly rehabilitation inspections completed by site personnel; and annual rehabilitation monitoring and annual rehabilitation inspection completed by a third party.</p> <p>Baal Bone Colliery will remediate erosion and sediment control issues identified during the IEA site inspection including:</p> <ul style="list-style-type: none"> • Rill erosion near the 'Dollar Shed' area; • Southern REA engineered drain where geo fabric is exposed; and • Sections along Southern REA batters where seed has not taken. 	
Sch 3 Cond 25	Rehabilitation Management Plan	<p>The Proponent shall prepare and implement a Rehabilitation Management Plan for the project to the satisfaction of the DRE and the Secretary. The Rehabilitation Management Plan must:</p> <p>(a) be prepared in consultation with DRE, OEH, DPI Water and Council, and submitted for approval within 6 months of the date of this approval;</p> <p>(b) be prepared in accordance with the relevant DRE guideline;</p> <p>(c) define the objectives and criteria for site rehabilitation;</p>	PACKAGE 1: Implement the rehabilitation, erosion, and sediment control maintenance program	As above	As above

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		<p>(d) investigate options for the future use of the site in a manner consistent with any regional planning strategies;</p> <p>(e) describe the measures that would be implemented to minimise or manage the ongoing environmental effects of the project; and</p> <p>(f) describe how the performance of these measures would be monitored over time.</p>			
Sch 3 Cond 25A	Rehabilitation Management Plan (Ben Bullen Ck)	<p>The Proponent shall prepare and implement a Ben Bullen Creek Rehabilitation Plan to the satisfaction of the DRE. The plan must:</p> <p>(a) be prepared in consultation with the Department, OEH, DPI Water, DRE and NSW Fisheries, and in accordance with the relevant DRE guideline;</p> <p>(b) be submitted for approval by 31 May 2016, unless otherwise agreed with the Secretary;</p> <p>(c) include hydrologic, hydraulic, geomorphic and geotechnical assessments of Ben Bullen Creek and the effect of any proposed bank slope regrading and highwall stabilisation works;</p> <p>(d) include a flood hydraulic assessment, including how the design of final landforms would manage high flow events;</p> <p>(e) describe the staging and timing of rehabilitation works, and how these works would be integrated into the overall rehabilitation of the site;</p> <p>(f) detail the proposed native riparian and aquatic species to be used in rehabilitation works, and how</p>	Implement any recommendations from Umwelt report regarding stability of Ben Bullen Creek.	<p>The Spring 2022 Channel Stability and Aquatic Fauna Monitoring Report (Umwelt) has not yet been received by Baal Bone Colliery.</p> <p>Recommendations within the Umwelt Report will be assessed following receipt of the report.</p>	To be advised following receipt of report.

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		these species would complement local and regional biodiversity and contribute to self-sustaining biodiversity habitats; and (g) include completion criteria and a monitoring program to assess and report on the efficacy of the rehabilitation works.			
Sch 3 Cond 30	Waste	The Proponent shall: (a) minimise the waste (including coal reject) generated by the project; (b) ensure that the waste generated by the project is appropriately stored, handled and disposed of, to the satisfaction of the Secretary.	Removal of old lubricant drums and containers from behind 'Dollar Shed'	Empty lubricant drums and containers removed from workshop area.	Complete
EPA 765					
A1	Administrative Conditions	This licence regulates water pollution resulting from the activity/is specified below carried out at the premises specified in A2.	The site should provide an update on the volume that discharges from site in the Annual Review as this is a requirement and it will cover this condition.	Further detail to be added to future Annual Reviews estimating discharge volume from site	31 March 2023