

Attachment 3

Program to Collect Baseline Data for Future Extraction Plans

The Moolarben Coal Complex is an open cut and underground coal mining operation located approximately 40 kilometres north of Mudgee in the Western Coalfield of New South Wales (NSW).

The UG4 Underground Mine (UG4) is a component of the approved Moolarben Coal Complex. First workings for UG4 commenced in October 2020. Secondary extraction in UG4 of the first Longwall (LW) 401 commenced in July 2022. LW401 to 407 were completed in January 2026. The extraction of LW409 to LW414 (hereafter referred to as LW409-414) within UG4 is scheduled to commence in September 2026.

Mining operations at the Moolarben Coal Complex are currently approved until 31 December 2038 and continue to be carried out in accordance with Project Approval (05_0117) (Moolarben Coal Project Stage 1) (as modified) and Project Approval (08_0135) (Moolarben Coal Project Stage 2) (as modified). This is the final Extraction Plan under the Stage 1 Project Approval (05_0117). Notwithstanding the data collected under this program will be useful to inform the baseline conditions for future Extraction Plans (e.g. for the next underground mining domain).

The program proposed to be undertaken to collect baseline data for future Extraction Plans (as required) is summarised in Table A3-1 and described in detail in Appendices A to H of this Extraction Plan.

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Table A3-1: Program to Collect Baseline Data for Future Extraction Plans

| Aspect of Future Extraction Plan | Proposed Monitoring |
|----------------------------------|---|
| Subsidence | <ul style="list-style-type: none"> Subsidence monitoring will continue to be undertaken in accordance with the UG4 LW409-414 Subsidence Monitoring Program. The subsidence monitoring data collected during extraction of LW409-414 will be used to validate revised subsidence predictions for future Extraction Plans. It is considered that the proposed subsidence monitoring is adequate to collect sufficient subsidence data for use in future Extraction Plans. |
| Groundwater | <ul style="list-style-type: none"> Groundwater monitoring will continue to be undertaken in accordance with the approved complex-wide Groundwater Management Plan and will include the additional monitoring included in the UG4 LW409-414 Water Management Plan (LW409-414 WMP) and the <i>UG4 Longwalls 409 to 414 Drip, Corner Gorge and Goulburn River Monitoring and Reporting Program</i> (the Monitoring Program). The groundwater monitoring data collected will be used to validate predicted environmental consequences on groundwater resources for future Extraction Plans. If this validation finds environmental consequences have exceeded those predicted, the groundwater monitoring data will be used to provide revised predictions of environmental consequences. It is considered that the proposed groundwater monitoring is adequate to collect sufficient groundwater data for use in future Extraction Plans. |
| Surface Water | <ul style="list-style-type: none"> Surface water monitoring will continue to be undertaken in accordance with the approved complex-wide Surface Water Management Plan and will include the additional monitoring included in the LW409-414 WMP and the Monitoring Program. The surface water monitoring data collected will be used to validate predicted environmental consequences on surface water resources for future Extraction Plans. If this validation finds environmental consequences have exceeded those predicted, the surface water monitoring data will be used to provide revised predictions of environmental consequences. It is considered that the proposed surface water monitoring is adequate to collect sufficient surface water data for use in future Extraction Plans. |
| Land | <ul style="list-style-type: none"> Monitoring of impacts to land in general, cliffs and the Drip and Corner Gorge will continue to be undertaken in accordance with the UG4 LW409-414 Land Management Plan (LW409-414 LMP) and the Monitoring Program. The monitoring conducted in accordance with the LW409-414 LMP will be used in the review of observed subsidence impacts for future Extraction Plans. |

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Table A3-1 (Continued): Program to Collect Baseline Data for Future Extraction Plans

| Aspect of Future Extraction Plan | Proposed Monitoring |
|----------------------------------|---|
| Biodiversity | <ul style="list-style-type: none"> • Monitoring of biodiversity will continue to be undertaken in accordance with the approved complex-wide Biodiversity Management Plan and in accordance with the UG4 LW409-414 Biodiversity Management Plan, including: <ul style="list-style-type: none"> – Floristic monitoring sites; – Photo point monitoring; – Threatened flora monitoring; and – Acoustic monitoring. • Biodiversity monitoring data collected will be used to validate predicted environmental consequences on biodiversity for future Extraction Plans. If this validation finds environmental consequences have exceeded those predicted, the monitoring data would be used to provide revised predictions of environmental consequences. |
| Aboriginal Heritage | <ul style="list-style-type: none"> • Monitoring of Aboriginal heritage will continue to be undertaken in accordance with the approved complex-wide Heritage Management Plan and in accordance with the UG4 LW409-414 Heritage Management Plan. • Monitoring data collected will be used to validate predicted environmental consequences on Aboriginal heritage sites for future Extraction Plans. If this validation finds environmental consequences have exceeded those predicted, the monitoring data would be used to provide revised predictions of environmental consequences. |
| Built Features | <ul style="list-style-type: none"> • Monitoring of impacts to built features will continue to be undertaken in accordance with the UG4 LW409-414 Built Features Management Plans. • Monitoring data collected will be used to validate predicted environmental consequences on built features for future Extraction Plans. If this validation finds environmental consequences have exceeded those predicted, the monitoring data would be used to provide revised predictions of environmental consequences. |

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