

Attachment 3
Program to Collect Baseline Data for Future Extraction Plans

Longwalls 101-103 (the subject of this Extraction Plan) are a subset of Longwalls 101-105, which together form the UG1 Underground Mine at the Moolarben Coal Complex. A separate Extraction Plan will be prepared for Longwalls 104 and 105 prior to secondary extraction of these longwalls commencing.

The program proposed to be undertaken to collect baseline data for the next Extraction Plan (i.e. Longwalls 104 and 105) is summarised in Table A3-1 and described in detail in Appendices A to F 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 undertaken in accordance with the UG1 Longwalls 101-103 Subsidence Monitoring Program. The subsidence monitoring data collected during extraction of Longwalls 101 to 103 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. 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. An additional groundwater monitoring bore will be installed at the northern end of Longwall 105 to collect data in regard to the palaeochannel. 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. 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 in accordance with the UG1 Longwalls 101-103 Land Management Plan (LW101-103 LMP). The monitoring conducted in accordance with the LW101-103 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 in accordance with the approved complex-wide Biodiversity Management Plan and in accordance with the UG1 Longwalls 101-103 Biodiversity Management Plan, including: <ul style="list-style-type: none"> – floristic monitoring sites; – longwall panel traverses; and – targeted cliff line 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 in accordance with the approved complex-wide 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.
Non-Aboriginal Heritage	<ul style="list-style-type: none"> • Monitoring of heritage sites for future Extraction Plans will be established based on the predicted environmental consequences.
Built Features	<ul style="list-style-type: none"> • 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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