

Attachment 3
Program to Collect Baseline Data for Future Extraction Plans

This Extraction Plan captures Longwalls 401-408, which form the east west portion of the approved UG4 Underground Mine at the Moolarben Coal Complex.

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 F of this Extraction Plan.

Document	Version	Issue	Effective	Author	Approved
MCO_UG4_LW401-408_EP_A3	1	June 22	July 22	MCO	B. Wesley

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 UG4 Longwalls 401-408 Subsidence Monitoring Program (LW401-408 SMP). The subsidence monitoring data collected during extraction of Longwalls 401 to 408 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 LW401-408 Extraction Plan – Water 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. 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 UG4 LW401-408 Extraction Plan – 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 UG4 Longwalls 401-408 Land Management Plan (LW401-408 LMP). The monitoring conducted in accordance with the LW401-408 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

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 UG4 Longwalls 401-408 Biodiversity Management Plan (LW401-408 BMP), including: <ul style="list-style-type: none"> – floristic monitoring sites; – Photo point monitoring; – Visual Assessments; 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 in accordance with the approved complex-wide Heritage Management Plan and in accordance with the UG4 Longwalls 401-408 Heritage Management Plan (LW401-408 HMP). • 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 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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