

WAMBO COAL PTY LIMITED



SOUTH BATES EXTENSION UNDERGROUND MINE

EXTRACTION PLAN LONGWALLS 24 TO 26

ATTACHMENT 3 PROGRAM TO COLLECT BASELINE DATA FOR FUTURE EXTRACTION PLANS

Peabody

Attachment 3
Program to Collect Baseline Data for Future Extraction Plans

The following underground mines at the Wambo Coal Mine are approved:

- North Wambo Underground Mine (Wambo Seam) (now completed);
- South Bates Underground Mine (Whybrow and Wambo Seams) (now completed);
- South Bates Extension Underground Mine (Whybrow Seam) (current mining area); and
- South Wambo Underground Mine (Woodlands Hill and Arrowfield Seams) (not yet commenced).

This Extraction Plan covers Longwalls 24 to 26 at the South Bates Extension Underground Mine.

Future Extraction Plans at the Wambo Coal Mine will include Extraction Plan(s) for the South Wambo Underground Mine.

The monitoring proposed to be undertaken to collect baseline data for future Extraction Plans is summarised in **Table A3-1**. WCPL considers that the current monitoring with the augmentations described below is adequate to collect sufficient baseline data for use in future Extraction Plans.

**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 Subsidence Monitoring Program. • The subsidence monitoring data collected during extraction of Longwalls 17 to 26 will be used to validate revised single-seam 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 (groundwater level and quality) undertaken in accordance with the GWMP (Figure 13 of the Extraction Plan), including additional groundwater sites along the northern and western ends of Longwalls 24 to 26 (DDH1240, DDH1235, DDH1234) and new standpipe monitoring bores adjacent to Waterfall Creek (GW40a, GW40b, GW41a and GW41b). • 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. • The Groundwater Management Plan will adequately capture and incorporate the above commitments.
Surface Water	<ul style="list-style-type: none"> • Surface water monitoring (flow, quality and bed and bank stability) undertaken in accordance with the SWMP (Figure 13 of the Extraction Plan) along North Wambo Creek, Wambo Creek, Waterfall Creek and Stony Creek, including additional surface water quality monitoring site SW54, established adjacent to groundwater monitoring bores GW40a and GW40b. • 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 baseline surface water data for use in future Extraction Plans. • The Surface Water Management Plan in preparation will adequately capture and incorporate the above commitments.

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

Aspect of Future Extraction Plan	Proposed Monitoring
Land	<ul style="list-style-type: none"> • Monitoring of impacts to land in general in accordance with the Longwalls 24 to 26 Land Management Plan, including high resolution photographic recording of cliffs. • The monitoring conducted in accordance with the Longwalls 24 to 26 Land Management Plan will be used in the review of observed subsidence impacts for future Extraction Plans.
Biodiversity	<ul style="list-style-type: none"> • Monitoring of biodiversity in accordance with the Biodiversity Management Plan (Figure 14 of the Extraction Plan), including: <ul style="list-style-type: none"> – annual vegetation monitoring in the Remnant Woodland Enhancement Program areas; – annual riparian monitoring (including transects along the North Wambo Creek Diversion, North Wambo Creek, Wambo Creek and Stony Creek); and – annual bird surveys including specific surveys for Swift Parrot and Regent Honeyeater. • 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"> • Maintenance of an Aboriginal heritage sites database.
Non-Aboriginal Heritage	<ul style="list-style-type: none"> • In accordance with Condition 62A, Schedule 4 of the Development Consent (now removed from the Development Consent as it has been addressed), an Archival Recording has been completed of the Whynot Homestead and outbuildings. • Structural assessment of the Whynot Homestead will be undertaken post-mining to assess if demolition is required. • Monitoring data associated with subsidence near the Wambo Homestead Complex has been collected in accordance with previous Extraction Plans. This monitoring data would be used to predict impacts to the Wambo Homestead Complex for future Extraction Plans.

Note: GWMP refers to the Wambo Coal Pty Limited Groundwater Monitoring Program.
 SWMP refers to the Wambo Coal Pty Limited Surface Water Monitoring Program.