

TAHMOOR COLLIERY: Longwall 29

Subsidence Management Status Report No. 08
 Submitted every four months as required by Condition 17 of the
 Subsidence Management Plan Approval for Longwall 29

Reporting Period	1 March 2015 to 30 June 2015	
Length of extraction	156 m	as at 28 June
Length of extraction remaining	2166 m	
Distance travelled by LW since previous report	N/A	This is the first report for LW29
Maximum total subsidence since start of LW22 within zone of active subsidence	861 mm	Railway line as at 23 June
Maximum incremental subsidence due to LW29 within zone of active subsidence	27 mm	LW29 Centreline line as at 23 June
Maximum increase in subsidence since previous report	N/A	This is the first report for LW29

Summary of Observations, Management Actions and Consultation since start of LW29

Summary of subsidence development
<p>Subsidence is developing above LW29 within expectations. The zone of active subsidence is currently in rural land between Myrtle Creek and the Main Southern Railway. Subsidence monitoring has focussed primarily on the Main Southern Railway, Myrtle Creek and Remembrance Drive during this reporting period.</p> <p>Valley closure is developing across Myrtle Creek at a lesser rate than observed during the extraction of previous Longwalls 26, 27 and 28, as Longwall 29 has not mined directly beneath Myrtle Creek.</p>
Natural Features
<p><i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i></p> <p>Valley closure has developed along the MXB and MXC lines where they cross Myrtle Creek above previously extracted Longwalls 27 and 28. Valley closure has also developed along the MXD line where it crosses Myrtle Creek to the south of Longwall 29. Minor additional closure has been observed during Longwall 29. The longwall has moved away from Myrtle Creek by a distance of approximately 180 metres.</p> <p>Fortnightly visual inspections along Myrtle Creek are being undertaken, with minor changes observed above previously extracted Longwalls 27 and 28. Parts of the creek bed above Longwall 27 are dry, while moderate connective flow is observed in pools further downstream above Longwall 28. No impacts have been reported on water quality.</p> <p><i>Summary of Management Actions</i></p> <p>Monitoring and inspections are being undertaken as per the Natural Features Management Plan. Ground surveys have commenced along Myrtle Creek, as per the Management Plan.</p> <p><i>Summary of Consultation with Stakeholders</i></p> <p>Observations during mining of Longwall 29 reported to TCCC. No issues raised.</p>
Main Southern Railway
<p><i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i></p> <p>The longwall face is approaching the Main Southern Railway and will begin to mine directly beneath it within the next week. There have been no impacts on the safety or serviceability of the Railway. The railway infrastructure has experienced some minor impacts along the track as a result of mine subsidence, and these have been successfully managed by ARTC and Tahmoor Colliery.</p> <p><i>Summary of Management Actions</i></p> <p>Monitoring and inspections are being undertaken as per the Railway Management Plan.</p> <p><i>Summary of Consultation with Stakeholders</i></p> <p>Ongoing consultation with ARTC, including weekly teleconference. Detailed subsidence monitoring reports issued weekly. Please refer to Railway Status Report for further information.</p>
Local Roads, Bridges and Culverts
<p><i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i></p> <p>No impacts have been observed to the local bridges and road culverts. Minor changes are observed along Remembrance Drive road pavement and the footpath where it crosses directly above previously extracted Longwall 28. One section of the footpath has lifted at the junction of a driveway slab.</p> <p><i>Summary of Management Actions</i></p> <p>Monitoring and inspections have been undertaken as per the Wollondilly Shire Council Management Plan. Weekly surveys at the Remembrance Drive Road and Foot Bridge over Myrtle Creek have measured only minor changes. A small amount of closure has developed between the footbridge abutments, with a trend of very small uplift over time.</p> <p><i>Summary of Consultation with Stakeholders</i></p> <p>Detailed subsidence monitoring report is issued to Wollondilly Council.</p>

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Potable Water Infrastructure
<p><i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i></p> <p>No impacts observed or reported with respect to potable water infrastructure.</p> <p><i>Summary of Management Actions</i></p> <p>Monitoring and inspections are being undertaken as per the Potable Water Management Plan.</p> <p><i>Summary of Consultation with Stakeholders</i></p> <p>Detailed subsidence monitoring report is issued to Sydney Water.</p>
Sewer Infrastructure
<p><i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i></p> <p>No impacts observed or reported with respect to sewer infrastructure.</p> <p><i>Summary of Management Actions</i></p> <p>Monitoring and inspections are being undertaken as per the Sewer Management Plan, which include weekly ground surveys along Remembrance Drive.</p> <p><i>Summary of Consultation with Stakeholders</i></p> <p>Detailed subsidence monitoring reports are issued to Sydney Water. Sydney Water is ready to respond if required to ensure the sewer remains serviceable.</p>
Gas Infrastructure
<p><i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i></p> <p>No impacts observed or reported with respect to gas pipes.</p> <p>A local 3D survey of 9 locations along the gas pipe on Remembrance Drive Road Bridge over Myrtle Creek indicates that very little change in the shape of the pipe has occurred during the mining of Longwall 29.</p> <p><i>Summary of Management Actions</i></p> <p>Monitoring and inspections are being undertaken as per the Jemena Management Plan.</p> <p><i>Summary of Consultation with Stakeholders</i></p> <p>Detailed subsidence monitoring report is issued to Jemena.</p>
Electrical Infrastructure
<p><i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i></p> <p>No impacts observed or reported with respect to electrical cables or poles.</p> <p><i>Summary of Management Actions</i></p> <p>Monitoring and inspections are being undertaken as per the Endeavour Management Plan. This includes monthly surveys of critical power poles.</p> <p><i>Summary of Consultation with Stakeholders</i></p> <p>Detailed subsidence monitoring report is issued to Endeavour Energy.</p>
Telecommunications Infrastructure
<p><i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i></p> <p>No impacts observed or reported with respect to telecommunications cables or poles.</p> <p><i>Summary of Management Actions</i></p> <p>Monitoring and inspections are being undertaken as per the Telstra Management Plan. This includes weekly visual inspections within the zone of active subsidence.</p> <p><i>Summary of Consultation with Stakeholders</i></p> <p>Detailed subsidence monitoring report is issued to Telstra.</p>
Items of Heritage Significance
<p>No items of heritage significance are located within the active subsidence area during this reporting period.</p>

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TAHMOOR
UNDERGROUND
GLENCORE

Building Structures

Summary of any observed/reported impacts or incidents, exceedence of triggers

Impacts observed to a number of houses during the mining of LW29.

Summary of Management Actions

Ongoing inspections of properties within the active subsidence area.

Summary of Consultation with Stakeholders

Ongoing, extensive consultation has been undertaken with residents in the subsided areas. This includes consultation with residents who have experienced impacts and neighbouring residents who have not reported impacts.

Any additional and/or outstanding management actions

None. The existing management processes are considered to be adequate and effective.

Certified by Tahmoor Colliery:

Signature:



Date: 30 June 2015

Belinda Treverrow

Approvals & Community Coordinator

Tahmoor Colliery