

TAHMOOR COLLIERY: Longwall 27

Subsidence Management Status Report No. 01
 Submitted every four months as required by Condition 17 of the
 Subsidence Management Plan Approval for Longwall 27



Reporting Period	8 November 2012 to 28 February 2013	
Length of extraction	598 m	as at 28 February
Length of extraction remaining	2444 m	
Distance travelled by LW since previous report	N/A	This is the first report
Maximum total subsidence since start of LW22 within zone of active subsidence	868 mm	on Remembrance Drive as at 25 February
Maximum incremental subsidence due to LW27 within zone of active subsidence	728 mm	on Myrtle Creek Ave as at 27 February
Maximum increase in subsidence since previous report	N/A	This is the first report

Summary of Observations, Management Actions and Consultation since start of LW26

Summary of subsidence development
<p>Increased subsidence has developed above commencing end of LW27 along Myrtle Creek Avenue, but the magnitude of subsidence is reduced compared to previous experiences during the mining of LWs 24A, 25 and 26.</p> <p>Non-systematic subsidence movements in the form of increased ground strains and irregular subsidence profiles have been observed at one new site, which is on Myrtle Creek Avenue (Pegs MC13 & MC14).</p>
Natural Features
<p><i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i></p> <p>No impacts observed or reported with respect to natural features.</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 are due to commence along Myrtle Creek next week, as per the Management Plan.</p> <p><i>Summary of Consultation with Stakeholders</i></p> <p>Observations during mining of Longwall 27 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>No impacts observed or reported with respect to Main Southern Railway. Based on monitoring results to date, triggers are not forecast to be exceeded in the next week due to the continued extraction of Longwall 27.</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>Very minor impacts have been observed to the pavement and kerbs at isolated locations on Myrtle Creek Avenue, Struan Street and Krista Place. Compression has been observed in the footpath of Remembrance Drive. Very little movement at Remembrance Drive Bridges.</p> <p><i>Summary of Management Actions</i></p> <p>Monitoring and inspections are being undertaken as per the Wollondilly Shire Council Management Plan. Weekly surveys at the Remembrance Drive Road and Foot Bridge over Myrtle Creek since the commencement of Longwall 27 have measured only minor changes within survey tolerance.</p> <p>Castlereagh Street Bridge is yet to be affected by mining of Longwall 27, with monitoring and inspections scheduled to commence this week as per the Management Plan.</p> <p><i>Summary of Consultation with Stakeholders</i></p> <p>Detailed subsidence monitoring report is issued to Wollondilly Council each week. Council also notified of increased ground strains and irregular subsidence profiles on Myrtle Creek Avenue.</p>

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Potable Water Infrastructure
<p><i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i></p> <p>A 100mm diameter cast iron cement lined (CICL) water main leaked and was repaired on the same day in the last week of January 2013.</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 each week.</p>
Sewer Infrastructure
<p><i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i></p> <p>Monitoring of the Tahmoor Carrier Pipe for changes in sewer grade along York St has commenced and pipe grades are currently well above trigger levels for low grades. A CCTV inspection of the sewer main has been undertaken in Myrtle Creek Avenue.</p> <p><i>Summary of Management Actions</i></p> <p>Monitoring and inspections are being undertaken as per the Sewer Management Plan. Installation of a water level sensor in the Tahmoor Carrier has commenced. Surveys at the Castlereagh Street Pumping Station are due to commence next week.</p> <p><i>Summary of Consultation with Stakeholders</i></p> <p>Detailed subsidence monitoring report is issued to Sydney Water each week. There is regular ongoing consultation with Sydney Water, including arrangement for CCTV inspection of sewer along Myrtle Creek Avenue..</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><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 each week.</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 each week.</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 each week.</p>

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Items of Heritage Significance
<p>Tahmoor House</p> <p><i>Summary of any observed/reported impacts or incidents, exceedance of triggers</i></p> <p>No impacts observed. No triggers have been exceeded.</p> <p><i>Summary of Management Actions</i></p> <p>Tahmoor House is yet to experience significant subsidence movements during the extraction of LW27. The longwall face will mine past the property in the next week. Weekly ground surveys and visual inspections are being undertaken.</p> <p><i>Summary of Consultation with Stakeholders</i></p> <p>Ongoing consultation with owners of Tahmoor House.</p> <p>Remembrance Drive</p> <p><i>Summary of any observed/reported impacts or incidents, exceedance of triggers</i></p> <p>No impacts observed. No triggers have been exceeded.</p> <p><i>Summary of Management Actions</i></p> <p>The heritage listed property on Remembrance Drive is yet to experience significant subsidence movements during the extraction of LW27. Weekly visual inspections from the kerb have commenced.</p> <p><i>Summary of Consultation with Stakeholders</i></p> <p>The resident has requested not to be consulted and no access is permitted on the property.</p>
Building Structures
<p><i>Summary of any observed/reported impacts or incidents, exceedance of triggers</i></p> <p>Impacts observed to a number of houses during the mining of LW27, with most severe impacts at a house that is located near to the location of non-systematic movements on Myrtle Creek Avenue.</p> <p><i>Summary of Management Actions</i></p> <p>Ongoing inspections of properties within the active subsidence area.</p> <p><i>Summary of Consultation with Stakeholders</i></p> <p>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.</p>
Any additional and/or outstanding management actions
<p>None. The existing management processes are considered to be adequate and effective.</p>

Certified by Tahmoor Colliery: Belinda Clayton

A handwritten signature in black ink, appearing to read 'Belinda Clayton'.

Signature:

Date: 05.03.13