

# TAHMOOR COLLIERY: Longwall 26

Subsidence Management Status Report No. 04  
Submitted every four months as required by Condition 17 of the  
Subsidence Management Plan Approval for Longwall 26



Reporting Period	1 April 2011 to 31 July 2012	
Length of extraction	3051 m	(as at 30 July)
Length of extraction remaining	433 m	
Distance travelled by LW since previous report	787 m	
Maximum total subsidence since start of LW22 within zone of active subsidence	943 mm	on Brundah road at 25 June
Maximum incremental subsidence due to LW26 within zone of active subsidence	529 mm	on Brundah road at 25 June
Maximum increase in subsidence since previous report	493 mm	on Brundah road at 25 June

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

<p><b>Summary of subsidence development</b></p> <p>The longwall has completed extraction beneath the township of Tahmoor and is progressing towards Thirlmere.</p> <p>Active subsidence during this reporting period developed between Hilton Park Road and Bridge Street. Ground surveys indicate that subsidence has developed to normal predicted levels.</p> <p>Localised increased compressive ground strains had been observed along Tickle Drive during this reporting period. This has resulted in localised impacts on road pavements, services and houses. Additional ground surveys were undertaken to monitor and track changes until the rate of development of subsidence and compressive strain had reduced to very levels.</p>
<p><b>Natural Features</b></p> <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. The longwall has completed extraction beneath Myrtle Creek and is now almost two kilometres away. While valley closure movements have been observed along monitoring lines that cross the creek, no impacts have been observed.</p> <p>Relative 3D ground surveys of Redbank Creek have commenced. The ability to survey valley closure across the creek has been constrained by refusal by some landowners to provide access. The longwall face is currently directly beneath Redbank Creek. The results indicate that valley closure is developing across the Creek, particularly where the longwall face is closest to the creek at this stage.</p> <p><i>Summary of Consultation with Stakeholders</i></p> <p>Observations during mining of Longwall 26 reported to TCCC. No issues raised.</p>
<p><b>Main Southern Railway</b></p> <p><i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i></p> <p>The longwall has completed extraction beneath the Main Southern Railway and is moving away. There have been no impacts on the safety or serviceability of the Railway. The railway infrastructure has experienced some impacts 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>Approval has been provided by ARTC and DTIRIS to cease ground surveys along the Railway track, with the exception of monthly surveys inside the Redbank Railway Tunnel.</p> <p><i>Summary of Consultation with Stakeholders</i></p> <p>Ongoing consultation with ARTC, currently on a monthly basis. Detailed subsidence monitoring reports monthly. Please refer to Railway Status Report for further information.</p>
<p><b>Local Roads, Bridges and Culverts</b></p> <p><i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i></p> <p>A bump developing on Tickle Drive where localised increased compressive strain was measured. The pavement has been repaired by Wollondilly Council.</p> <p><i>Summary of Management Actions</i></p> <p>Monitoring, inspections and management responses are being undertaken as per the Wollondilly Council 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 was also notified of increased ground strains and irregular subsidence profiles and impacts to the road pavement. Approval to cease monitoring of Castlereagh Street Bridge was received on 8 May.</p>

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<b>Potable Water Infrastructure</b>
<i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i> No impacts have been observed during this reporting period. <i>Summary of Management Actions</i> Monitoring, inspections and responses are being undertaken as per the Potable Water Management Plan. <i>Summary of Consultation with Stakeholders</i> Detailed subsidence monitoring report is issued to Sydney Water each week.
<b>Sewer Infrastructure</b>
<i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i> No impacts have been observed during this reporting period. Monitoring of subsidence along the Thirlmere Carrier pipe on Bridge Street has commenced. <i>Summary of Management Actions</i> Monitoring, inspections and responses are being undertaken as per the Sewer Management Plan. <i>Summary of Consultation with Stakeholders</i> Ongoing consultation is being held between Sydney Water and Tahmoor Colliery. Detailed subsidence monitoring report is issued to Sydney Water each week. Approval to cease monitoring of the sewer crossings in Tahmoor was received on 8 May.
<b>Gas Infrastructure</b>
<i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i> No impacts have been observed during this reporting period. <i>Summary of Management Actions</i> Monitoring, inspections and responses are being undertaken as per the Jemena Management Plan. <i>Summary of Consultation with Stakeholders</i> Detailed subsidence monitoring report is issued to Jemena each week.
<b>Electrical Infrastructure</b>
<i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i> No impacts observed or reported with respect to electrical cables or poles. <i>Summary of Management Actions</i> Monitoring and inspections are being undertaken as per the Integral Management Plan. This includes monthly surveys of critical power poles. <i>Summary of Consultation with Stakeholders</i> Detailed subsidence monitoring report is issued to Integral each week.
<b>Telecommunications Infrastructure</b>
<i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i> No impacts observed or reported with respect to telecommunications cables or poles. Detailed inspections of telecommunications were undertaken in the vicinity of the bump in the pavement on Tickle Drive, with no impacts detected. <i>Summary of Management Actions</i> Monitoring and inspections are being undertaken as per the Telstra Management Plan. This includes visual inspections within the zone of active subsidence. <i>Summary of Consultation with Stakeholders</i> Detailed subsidence monitoring report and a detailed visual inspection report is issued to Telstra each week.
<b>Tahmoor Town Centre</b>
<i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i> No significant impacts observed or reported at the Tahmoor Town Centre. Very little change has been observed since November 2011. <i>Summary of Management Actions</i> Monitoring and inspections are being undertaken as per the TTC Management Plan. <i>Summary of Consultation with Stakeholders</i> Detailed subsidence monitoring report is issued to TTC each week.

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<b>Inghams</b>
<i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i> No new impacts observed or reported at Inghams Processing Plant. <i>Summary of Management Actions</i> Approval was granted to cease surveys. <i>Summary of Consultation with Stakeholders</i> Detailed subsidence monitoring reports were issued to Inghams until approval was granted to cease monitoring.
<b>Items of Heritage Significance</b>
<i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i> No impacts observed. No triggers have been exceeded. <i>Summary of Management Actions</i> The heritage listed property on Remembrance Drive was inspected from the kerb each week. <i>Summary of Consultation with Stakeholders</i> The resident has requested not to be consulted and no access is permitted on the property.
<b>Building Structures</b>
<i>Summary of any observed/reported impacts or incidents, exceedence of triggers</i> Impacts observed to a number of houses during this reporting period though all houses have remained safe and serviceable. <i>Summary of Management Actions</i> Extensive monitoring, inspections and emergency works have been undertaken on houses and associated structures by Tahmoor Colliery and the Mine Subsidence Board during the mining of Longwall 26. <i>Summary of Consultation with Stakeholders</i> 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.
<b>Any additional and/or outstanding management actions</b>
None. The existing management processes are considered to be adequate and effective.

A handwritten signature in black ink, appearing to be 'J. Coates'.

Certified by Tahmoor Colliery:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_ 16 April 2012