29 October 2024

Scott Causer
Mains Design Delivery Manager
Endeavour Energy

Notification – Amendment No. 2 to Subsidence Management Plan for Endeavour Energy infrastructure due to shortening of LW S4A

Dear Scott,

Please be advised that a minor amendment can be made to the Management Plan, which is titled *MSEC1193-07 SIMEC Mining – Tahmoor South Longwalls S1A to S6A – Management Plan for potential impacts to Endeavour Energy Infrastructure, Revision B*.

Tahmoor Coal has shortened LW S4A by approximately 104 metres at the commencing end, as shown in Drawing No. MSEC1446-01. The effect of the change is to very slightly reduce the amount and extent of subsidence that will be experienced within a Study Area, which is shown in Drawing No. MSEC1446-07. Powerlines along Remembrance Drive, Charlies Point Road and another powerline that runs north of Charlies Point Road are located in the Study Area.

The Management Plan documents the commencement of monitoring measures for LW S4A, most of which are defined based on a length of extraction. As LW S4A has been shortened at the commencing end, the commencing lengths of extraction for monitoring activities requires a change.

Based on the above, Tahmoor Coal has reviewed the risk control procedures in Table 4.1 of the Management Plan with respect to LW S4A. It can be seen that the proposed changes effectively bring forward the planned timing of surveys and inspections along Remembrance Drive. Table 4.1 has also been updated with respect to the contractor that is responsible for conducting visual inspections. Tahmoor Coal is currently conducting the inspections in-house and may appoint a contractor in future.

Please also see attached revised Drawings Nos. MSEC1193-07-01, Revision B and MSEC1193-07-02, Revision B, which show the location of Endeavour Energy assets and critical poles for monitoring relative to the mine layout, and Drawing No. MSEC1193-01-01, Revision C, which shows the location of subsidence monitoring locations.

On a separate matter, Tahmoor Coal has submitted a Modification to the development consent to extract LW S7A to the side of LW S6A. The proposed LW S7A will extract directly beneath a section of Yarran Road but result in very minor additional subsidence along Remembrance Drive. Whilst LW S7A has been included in Drawings Nos. MSEC1193-07-01 and MSEC1193-01-01, Tahmoor Coal cannot extract the longwall until the Department of Planning, Housing and Infrastructure approves the proposed modification to Tahmoor Coal's development consent. Tahmoor Coal proposes to seek approval from Endeavour Energy to amend the Management Plan to include LW S7A at a later time.

Tahmoor Coal welcomes any feedback from Endeavour Energy regarding the planned changes relating to the shortening of LW S4A. Please note that LW S4A is planned to commence in January 2025.

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Yours Faithfully

Ross Barber

Ross Barber
Project Manager Subsidence
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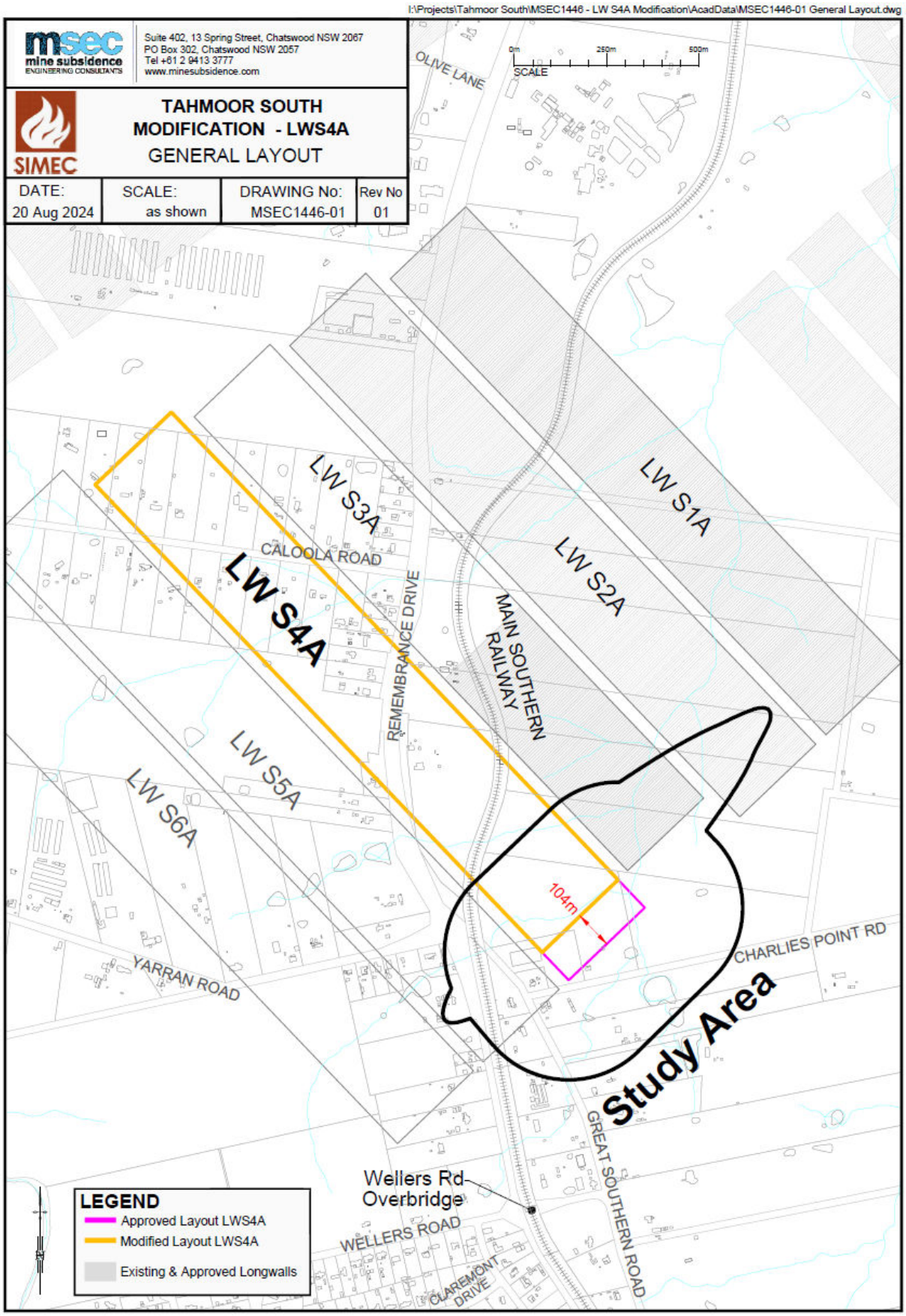
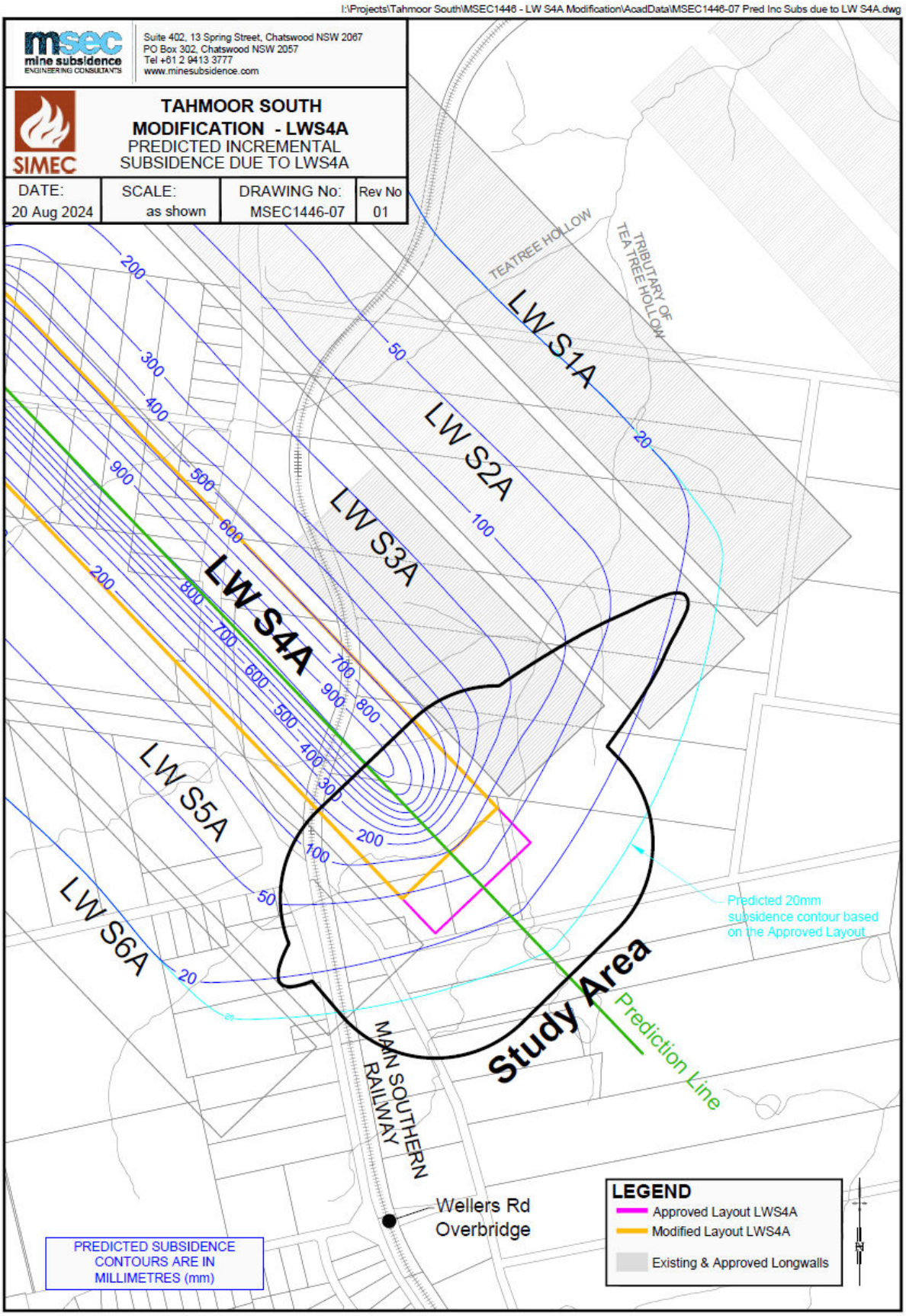
CC Ray Ramage, Principal Subsidence Engineer, Resource Regulator
Encl
Amended Table 4.1 – Risk Control Procedures (Amended for LW S4A)
Drawing No. MSEC1193-01-01, Revision C, 16 October 2024
Drawing No. MSEC1193-07-01, Revision B, 24 October 2024
Drawing No. MSEC1193-07-02, Revision B, 24 October 2024



Drawing No. MSEC1446-01



Drawing No. MSEC1446-07

Revised Table 4.1: Risk Control Procedures LW S1A-S6A (amended for LW S4A in blue)

INFRASTRUCTURE	HAZARD / IMPACT	RISK	TRIGGER	CONTROL PROCEDURE/S	FREQUENCY	BY WHOM?
Electrical Infrastructure	Impacts to infrastructure	Low	None	Continuous GNSS monitoring as shown in Drawing No. MSEC1193-01-01	GNSS units installed Continuous readings, with data averaged over 24 hours and recorded once per day until end of LW S6A.	Tahmoor Coal (Unit Zero)
				2D survey line along Tahmoor Mine property boundary	Pegs installed. Baseline survey prior to commencement of LW S1A. Monthly survey during LW S1A between 200m and 1300m extraction, and continue if ongoing adverse movements are observed. End of LW S1A.	Tahmoor Coal (SMEC)
				Conduct visual inspections of power poles, conductors, conductor clearances, house connections and local roads within active subsidence zone	Weekly for areas within the active subsidence zone during LWs S1A to S6A and continue if ongoing adverse movements or impacts are observed until one month after the extraction of each LW.	Tahmoor Coal ~~(BIS)~~
				Conduct 2D / Absolute 3D surveys along Main Southern Railway in accordance with Railway Management Plan	Monthly 3D / Weekly 2D surveys for pegs within active subsidence zone during LWs S1A to S6A	Tahmoor Coal (SRS)
				Conduct 2D survey along Charlies Point Road	Pegs installed from eastern end survey line to bend at No. 80 Charlies Point Road. Baseline survey prior to start of LW S1A. Extend line and baseline survey to intersection of Great Southern Road prior to start of LW S2A. Monthly survey during LWs S1A-S5A between 200m and 800m extraction, and continue if ongoing adverse movements are observed. End of LW S1A-S6A.	Tahmoor Coal (SMEC)
				Conduct 2D / Absolute 3D surveys along Remembrance Drive	Pegs installed from northern boundary of Tahmoor Mine site to Caloola Road. Baseline survey prior to 900m extraction of LW S1A. Extend line and baseline survey pegs within predicted limit of incremental subsidence of each active LW, prior to active LW face approaching within 600 metres of survey line. Monthly 3D / Weekly 2D surveys for pegs within active subsidence zone commencing as per below: LW S1A: start after 1300m extraction LW S2A: start after 900m extraction LW S3A: start after 500m extraction LW S4A: start after ~~300~~200m extraction LW S5A: start after 200m extraction LW S6A: start after 200m extraction Continue surveys until outside active subsidence zone or one month after end of LW and continue further if ongoing adverse movements are observed. End of LW S1A-S6A.	Tahmoor Coal (SMEC)
				Conduct 2D surveys along Caloola Road	Pegs installed. Baseline survey prior to 900m extraction of LW S1A. Survey at end of LW S1A. Weekly 2D surveys for pegs within active subsidence zone commencing as per below: LW S2A: start after 900m extraction LW S3A: start after 800m extraction LW S4A: start after ~~900~~800m extraction LW S5A: start after 900m extraction LW S6A: start after 900m extraction Continue surveys until outside active subsidence zone or one month after end of LW and continue further if ongoing adverse movements are observed. End of LW S2A-S6A.	Tahmoor Coal (SMEC)
				Conduct 2D surveys along Yarran Road	Install and baseline prior to start of LW S3A. Survey at end of LW S3A. Weekly 2D surveys for pegs within active subsidence zone commencing as per below: LW S4A: start after 200m extraction LW S5A: start after 200m extraction LW S6A: start after 200m extraction Continue if ongoing adverse movements are observed. End of LW S4A-S6A.	Tahmoor Coal (SMEC)

INFRASTRUCTURE	HAZARD / IMPACT	RISK	TRIGGER	CONTROL PROCEDURE/S	FREQUENCY	BY WHOM?
				Conduct 2D surveys along Great Southern Road	Install and baseline prior to start of LW S3A. Survey at end of LW S3A. Weekly 2D surveys for pegs within active subsidence zone commencing as per below: LW S4A: start after 200m extraction LW S5A: start after 200m extraction LW S6A: start after 200m extraction Continue if ongoing adverse movements are observed. End of LW S4A-S6A.	Tahmoor Coal (SMEC)
				Conduct pole surveys measuring subsidence at base and vertical offset or tilt of selected critical poles as shown in **Error! Reference source not found.**. * Note: It is noted that some critical poles are located just outside the predicted limit of subsidence for LW S1A-S6A. Tahmoor Coal will these survey poles during the mining of the longwall panel that is closest to them, as if they were in the active subsidence zone (i.e when each pole is located within a distance of 150 metres in front and 450 metres behind the active longwall face).	Baseline survey of poles identified for by Endeavour Energy for LW S1A-S6A for poles within the predicted limit of incremental subsidence of each active longwall*, prior to active longwall approaching within 600 metres of pole. Monthly for each pole within active subsidence zone and for following three months after leaving active subsidence zone* End of LW S1A-S6A for all poles within predicted limit of incremental subsidence of each active longwall*.	Tahmoor Coal (SMEC)
				Analyse and report results to IMG, including information on the position of the longwall face.	Weekly during LW S1A-S6A after the length of the extraction exceeds 200 metres.	Tahmoor Coal
			Impacts observed to power poles, buried cables or conductor clearance heights	Notify all stakeholders, including Endeavour Energy, Tahmoor Coal, Subsidence Advisory NSW and Resources Regulator	Within 24 hours	Tahmoor Coal
				Repair impact.	As per Endeavour Energy procedures	Endeavour Energy
				Infrastructure Management Group (IMG) meets to consider whether any additional management measures should be undertaken, including: - increasing the frequency of surveys and visual inspections in vicinity of impact site; - investigating for potential of damage occurring to nearby Endeavour Energy infrastructure.	As agreed between Tahmoor Coal and Endeavour Energy	IMG
Electrical Infrastructure	Impacts to infrastructure	Low	A hazard has been identified that involves potential serious injury or illness to a person or persons on public property or, or in vicinity of electrical infrastructure and cannot be controlled	IMG, Tahmoor Coal and Endeavour Energy meet to decide whether any additional management measures are required, including: - emergency evacuation of hazardous area - demarcation to prevent people entering hazardous area	Immediately	Tahmoor Coal and Endeavour Energy
				Notify IMG of trigger exceedance and any management decisions undertaken (incl Subsidence Advisory NSW, Resources Regulator)	Within 24 hours of decision	Tahmoor Coal