3 May 2024

Michael Derrig
MKD Machinery

Amendment No. 1 to Subsidence Management Plan for No. 3165 Remembrance Drive due to shortening of LW S3A

Dear Michael,

Please be advised that a minor amendment can be made to the Management Plan, which is titled *MSEC1193-16 SIMEC Mining – Tahmoor South Longwalls S2A to S6A – Management Plan for potential impacts to MKD Machinery, 3165 Remembrance Drive, Bargo, Revision C.*

Tahmoor Coal has shortened LW S3A by approximately 104 metres at the commencing end, as shown in Drawing No. MSEC1395-01. The change will have a negligible effect on the amount and extent of subsidence that will be experienced at No. 3165 Remembrance Drive, as shown in Drawing No. MSEC1395-07.

The Management Plan documents the commencement of monitoring measures for LW S3A, most of which are defined based on a length of extraction. As LW S3A 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 S3A. It can be seen that the proposed changes effectively bring forward the planned timing of surveys and inspections at the property.

Please also see attached revised Drawing No. MSEC1193-16-01, Revision A, which shows the location of No. 3165 Remembrance Drive relative to the mine layout, and Drawing No. MSEC1193-01-01, Revision B, which shows the location of subsidence monitoring locations.

On a separate matter, Tahmoor Coal will soon submit a Modification to the development consent to extract LW S7A to the side of LW S6A. The proposed LW S7A will not extract directly beneath No. 3165 Remembrance Drive and result in very minor additional subsidence at the property. Whilst LW S7A has been included in Drawings Nos. MSEC1193-16-01 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 you to amend the Management Plan to include LW S7A at a later time.

Tahmoor Coal welcomes any feedback regarding the planned changes relating to the shortening of LW S3A. Please note that LW S3A is planned to commence next week.

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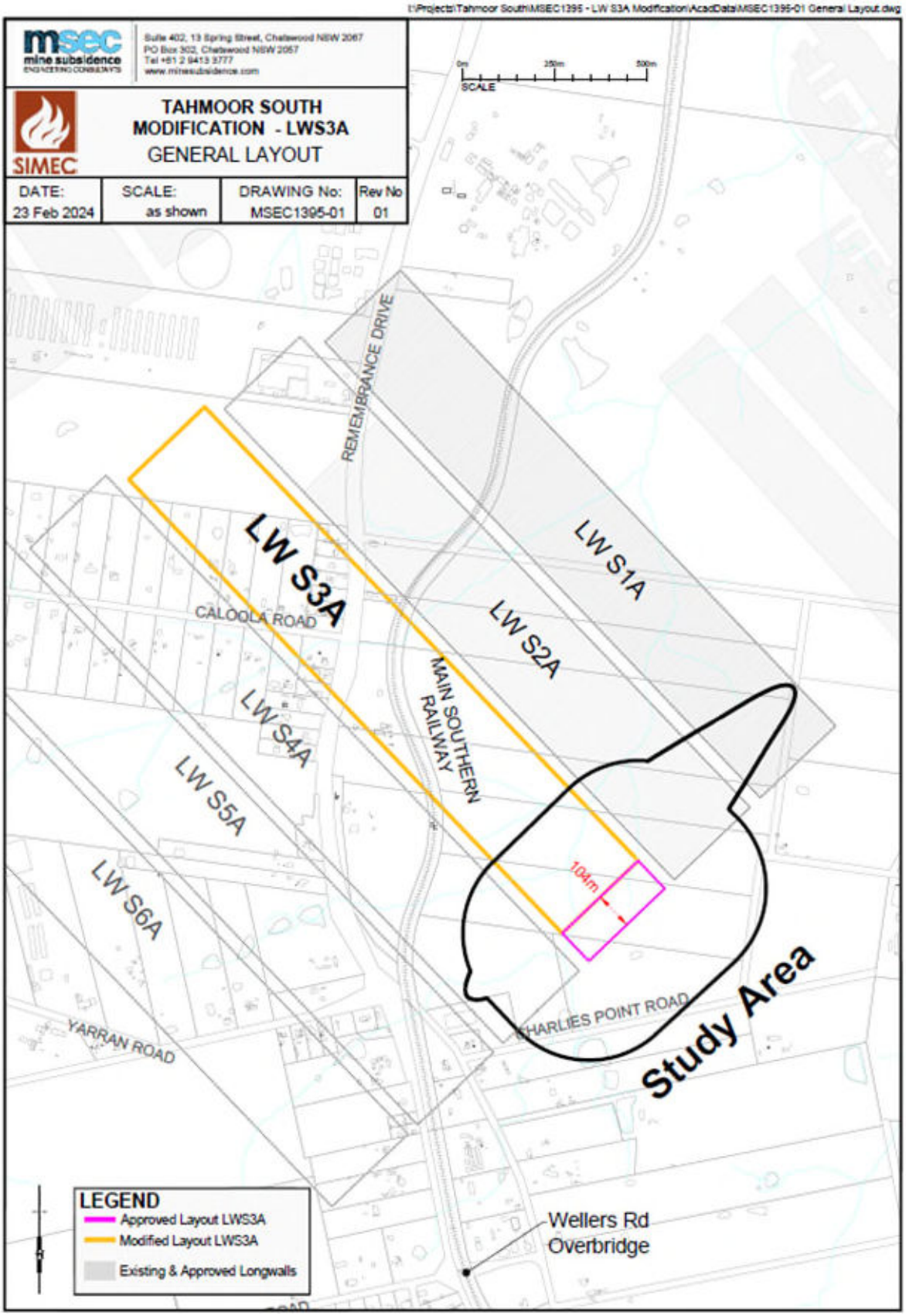
Yours Faithfully

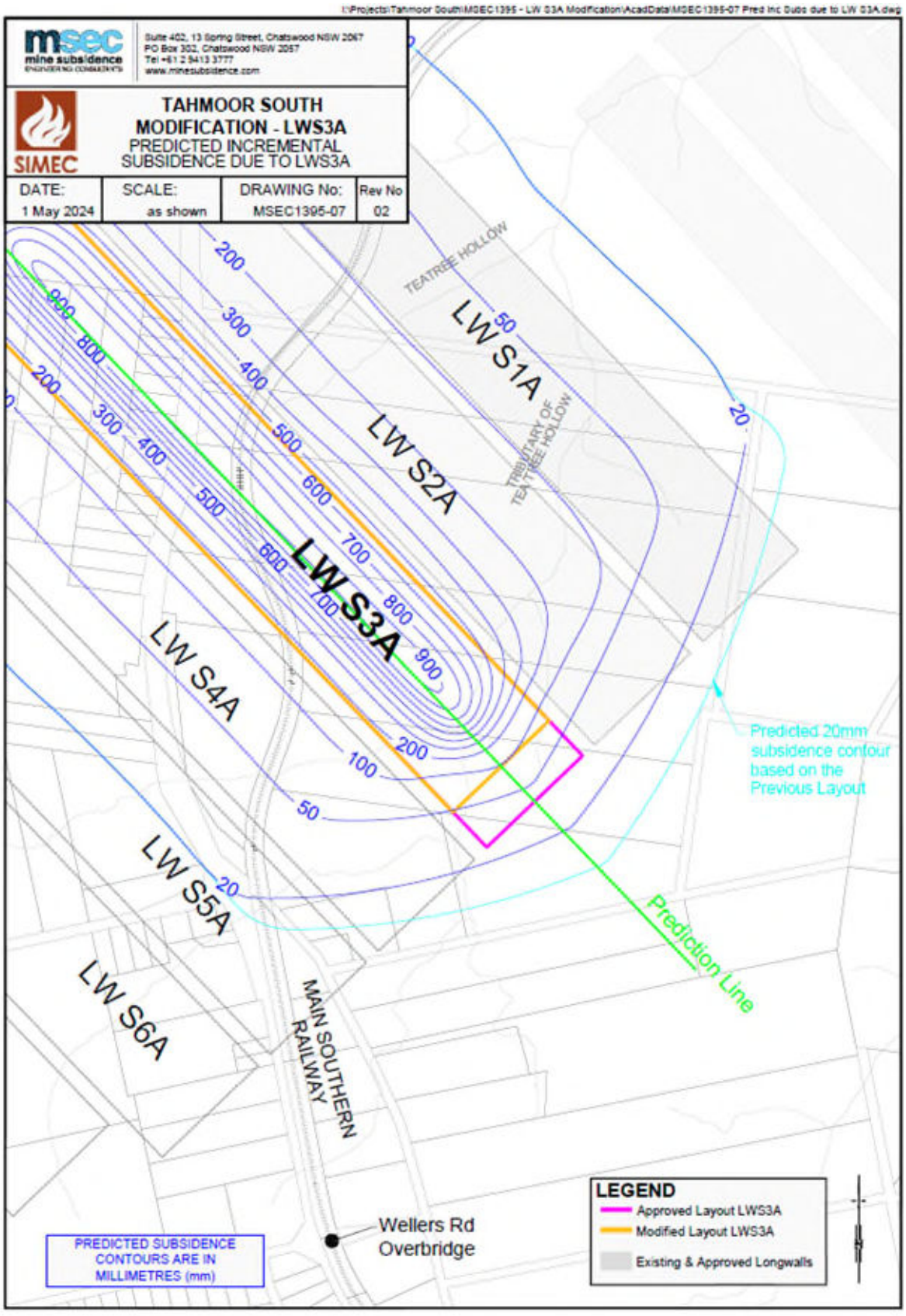
Ross Barber

Ross Barber
Project Manager Subsidence
SIMEC Mining

CC Ray Ramage, Principal Subsidence Engineer, Resource Regulator
Encl
Amended Table 4.1 – Risk Control Procedures (Amended for LW S3A)
Drawing No. MSEC1193-01-01, Revision B, 22 April 2024
Drawing No. MSEC1193-16-01, Revision A, 1 May 2024



Drawing No. MSEC1395-01



Drawing No. MSEC1395-07

Revised Table 4.1: Risk Control Procedures LW S1A-S6A (amended for LW S3A in blue)

RISK ISSUE	TRIGGER	CONTROL PROCEDURE/S	FREQUENCY	BY WHOM?
IMPACTS ON BUILDINGS, SILO HOPPERS, COMMERCIAL STRUCTURES, TANKS, WALLS, PAVEMENTS, FENCES AND GATES	None	Undertake structural inspections and assessments before subsidence	Complete	Tahmoor Coal (JMA)
		Undertake workplace health and safety inspection	Complete	Tahmoor Coal (MSIA)
		Clean and prepare base of silo hopper tower for future relevelling if required (subject to access provided by landowner)	Prior to ~~600~~500m extraction of LW S3A	Tahmoor Coal
		Install missing angle tie to base of silo hopper tower on northern side (subject to access provided by landowner)	Prior to ~~600~~500m extraction of LW S3A	
		Provide supplementary support to freestanding steel columns supporting first floor of machinery shed and residence (subject to approval by landowner)	Prior to ~~600~~500m extraction of LW S3A	Tahmoor Coal
		Baseline survey of alignment of sliding gate	Prior to 600m extraction of LW S2A (complete)	Tahmoor Coal (SMEC)
		Conduct 2D / Absolute 3D surveys along Remembrance Drive and Main Southern Railway	Baseline survey complete. Monthly 3D / Weekly 2D surveys for pegs within active subsidence zone for LW S2A-S6A: 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)
		Local 3D survey around perimeter of buildings and commercial structures during active subsidence (refer **Error! Reference source not found.**)	Baseline survey prior to 600m extraction of LW S2A End of LW S2A Weekly surveys during periods of active subsidence after 450m extraction for LW S3A and after 550m extraction for LWs S4A-S5A: Continue surveys if ongoing adverse movements are observed. End of LW S2A-S6A.	Tahmoor Coal (SMEC)
		Install tiltmeters on silo hopper tower and monitor changes in tilt	Install and commission prior to 600m extraction of LW S2A (complete) Readings every 2 hours	Tahmoor Coal (SweetingConsulting)
		Visually inspect the property, including the structures, hopper, concrete plant, pavements, fences and gates	Baseline pre-mining inspection complete Weekly inspections during periods of active subsidence after 550m extraction for LW S2A, after 450m extraction for LW S3A and after 550m extraction for LWs S5A-S6A: Continue inspections if ongoing adverse movements are observed. End of LW S2A-S6A.	Tahmoor Coal (BIS)
		Report findings of surveys and inspections to landowner, SRG, Subsidence Advisory NSW, Resources Regulator	Weekly reports during periods of active subsidence after 550m extraction for LW S2A, after 450m extraction for LW S3A and after 550m extraction for LWs S5A-S6A: Continue reporting if ongoing adverse movements are observed End of LW S2A-S6A.	Tahmoor Coal (MSEC)
		Review and assess monitoring report and consider whether any additional management measures are required	Weekly during periods of active subsidence after 550m extraction for LW S2A, after 450m extraction for LW S3A and after 550m extraction for LWs S5A-S6A: Continue reporting if ongoing adverse movements are observed	SRG

RISK ISSUE	TRIGGER	CONTROL PROCEDURE/S	FREQUENCY	BY WHOM?
IMPACTS ON BUILDINGS, SILO HOPPERS, COMMERCIAL STRUCTURES, TANKS, WALLS, PAVEMENTS, FENCES AND GATES (continued)	Non-conventional movements identified from weekly surveys or Visual inspections identify impacts to buildings or pavements or Change in distance across diagonal of silo hopper tower exceeds 5mm or Tensile or compressive strain between pegs spaced no closer than 7 m apart on ground slab around silo hopper tower exceeds 0.75mm/m	SRG meet and consider whether any additional management measures are required, including: - structural inspection - relevel hopper tower or adjust baseplate connections - saw cut concrete slab surrounding silo hopper - temporarily reduce materials in hoppers while adjustments are undertaken - increase monitoring and reporting procedures - repair impacts	Within 1 week or earlier if required	SRG
		Notify SRG of trigger exceedance and any management decisions undertaken (incl landowner, Subsidence Advisory NSW, Resources Regulator)	Within one week	Tahmoor Coal
	A hazard has been identified that involves potential serious injury or illness to a person or persons at No. 3165 Remembrance Drive, Bargo and cannot be controlled	SRG, Tahmoor Coal, landowner meet to decide whether any additional management measures are required, including: - suspension of work activities within the hazardous area - demarcation of workplace to restrict people from entering or working in hazardous area - emergency evacuation of workplace	Immediately	Tahmoor Coal
		Notify SRG of trigger exceedance and any management decisions undertaken (incl landowner, Subsidence Advisory NSW, Resources Regulator)	Within 24 hours of decision	Tahmoor Coal
IMPACTS ON SEDIMENTATION TANKS	None	Follow procedures above	-	-
	Impacts observed on water retention tanks	SRG meet and consider whether any additional management measures are required, including: - structural inspection - increase monitoring and reporting procedures including crack width monitoring and local 3D survey - undertake detailed inspections or surveys of impacts - repair impacts - consider installation of waterproof liner	Within 1 week or earlier if required	SRG
		Notify SRG of trigger exceedance and any management decisions undertaken (incl landowner and Subsidence Advisory NSW)	Within 24 hours	Tahmoor Coal
IMPACTS ON FIRE PROTECTION SERVICES, SECURITY SERVICES, ESSENTIAL SERVICES, ACCESS AND MOBILITY, FINISHES, AND PUBLIC SAFETY HAZARDS	None	Follow procedures above	-	-
	Impacts observed	Repair impacts	Immediately as required by landowner to avoid interruption to operations (target within 24 hours if required)	Tahmoor Coal
		Notify SRG of trigger exceedance and any management decisions undertaken (incl landowner, Subsidence Advisory NSW, Resources Regulator)	Within one week	Tahmoor Coal
	Impacts observed to sliding entrance gate	Repair impacts	As required by landowner to avoid service interruption (target within 24 hours if required)	Tahmoor Coal
		Provide alternative security services while security gate is repaired	As required	
IMPACTS ON MACHINERY AND EQUIPMENT	None	Follow procedures above	-	-
		Baseline precision measurement of levels of hoppers and conveyors	Prior to 600m extraction of LW S2A (complete)	Tahmoor Coal
	Substantial adverse subsidence movements observed, or reduced performance by machine observed	SRG meet and consider whether any additional management measures are required, including: - measurement of alignment of machinery - relevel machinery - undertake additional detailed measurements of machinery	As required by landowner to avoid business interruption (target within 24 hours if required)	Tahmoor Coal
IMPACTS ON STORAGE AND MATERIALS HANDLING	None	Follow procedures above	-	-
	Substantial tilt of storage shelves	SRG meet and consider whether any additional management measures are required, including: - relevel storage shelves - provide additional support to shelving	As required by landowner to avoid interruption to operations (target within 24 hours if required)	Tahmoor Coal

RISK ISSUE	TRIGGER	CONTROL PROCEDURE/S	FREQUENCY	BY WHOM?
	and racks observed	Notify SRG of trigger exceedance and any management decisions undertaken (incl landowner, Subsidence Advisory NSW, Resources Regulator)	Within one week	Tahmoor Coal
IMPACTS ON SWIMMING POOL AND POOL GATE	None	Visually inspect the swimming pool and pool gate	Baseline inspection (complete) Weekly inspections during periods of active subsidence after 550m extraction for LW S2A, after 450m extraction for LW S3A and after 550m extraction for LWs S5A-S6A: Continue inspections if ongoing adverse movements are observed. End of LW S2A-S6A.	Tahmoor Coal (BIS)
	Impacts observed	Repair impacts	As required	Tahmoor Coal
		Notify SRG of trigger exceedance and any management decisions undertaken (incl landowner, Subsidence Advisory NSW, Resources Regulator)	Within one week	Tahmoor Coal
	Pool gate won't close	Notify resident and/or landowner, contact Subsidence Advisory NSW to repair gate	Immediately	Tahmoor Coal
		Repair gate	As soon as possible	Tahmoor Coal
IMPACTS ON GRASSED AIR STRIP	None	Visually inspect the grassed air strip	Baseline inspection prior to 600m extraction of LW S2A Weekly inspections during periods of active subsidence after 550m extraction for LW S2A, after 450m extraction for LW S3A and after 550m extraction for LWs S5A-S6A: Continue inspections if ongoing adverse movements are observed. End of LW S2A-S6A.	Tahmoor Coal (BIS)
	Mining-induced cracks or humps observed	Fill cracks or resurface air strip	As required	Tahmoor Coal
		Notify SRG of trigger exceedance and any management decisions undertaken (incl landowner, Subsidence Advisory NSW, Resources Regulator)	Within one week	Tahmoor Coal