



SIMEC

Myrtle Creek

Corrective Management Action Plan

June 2021 | Newsletter #16

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Project Background

Tahmoor Coal Pty Ltd (**Tahmoor Coal**) completed coal extraction below Myrtle Creek between 2004 and 2015. Longwall mining has caused subsidence impacts that has resulted in some pools along Myrtle Creek retaining water only after heavy periods of rain.

To address this, Tahmoor Coal prepared a Myrtle Creek Corrective Action Management Plan (**Myrtle Creek CMAP**) that outlines proposed rehabilitation works, including pool mapping, photogrammetry and surveying, characterisation and pool rehabilitation works.

Works have been developed in consultation with and approved by relevant government departments including, Department of Planning, Industry and Environment (**DPIE**) – Resources Regulator, DPIE – Planning, Department of Primary Industries (**DPI**) – Fisheries, Natural Resources Access Regulator (**NRAR**), Wollondilly Shire Council and community consultative committees.

Pool 23 Rehabilitation

Remediation of the controlling rock bar at Pool 23 was completed in early February 2020. The works consisted of drilling boreholes up to 16 meters below the creek bed for geotechnical testing to identify the location and size of fracturing. Fractures were then filled using an approved polyurethane injection resin (PUR). PUR has been used successfully for creek rehabilitation in Sydney Catchment Authority areas as it has minimal ecotoxicological effects and has proven highly effective.

Since its completion, Pool 23 has returned to its pre-mining water level. It will continue to be monitored in a variety of climatic conditions.

Pool 20 Rehabilitation - Progress

Remediation of Pool 20 at Myrtle Creek is currently underway. The remediation strategy involves the construction of a four stages 50m wide grout curtain wall to 15m depth using Polyurethane injection grout. The aim of the curtain wall is to seal the fracture network and redirect the water to the surface.

Stage 1 and 2 (5m depth) of the curtain wall have been completed with Stage 3 underway (10m depth). All works are progressing well as per schedule.

Following the completion of Pool 20, remediation of Pool 18 will commence in October 2021. The remediation of all remaining pools at Myrtle Creek is expected to be completed by mid-2022.

Works will be carried out at Pool 20 between **8:00am to 5:00pm, Monday to Friday** and are expected to be completed in October 2021.

For More Information

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Myrtle Creek CMAP Stage 2 Remediation Sites



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