



SIMEC

Myrtle Creek

Corrective Management Action Plan

March 2021 | Newsletter # 15

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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.

Progress Report – Stage 2

Myrtle Creek CMAP Stage 2 involves fracture characterisation and remediation of six additional pools along Myrtle Creek (see overleaf). The entire project is expected to return pool holding capacity to selected pools and increase surface flow along Myrtle Creek.

Investigation drilling and geotechnical testing to characterise the fracture network have been completed at Pools 10, 11, 12a, 14, 18 and 20 in January 2021.

Selection of a contractor is currently underway for the remaining of the remediation works at Myrtle Creek. It is expected that the **remediation of Pool 20 will be commencing in April 2021** with the construction of a grout curtain wall below the creek bed using Polyurethane injection resin to seal the fracture network and redirect the water to the surface.

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**.

Learnings from Pool 23 works will be utilised at the remaining pools. The remediation of all pools at Myrtle Creek is expected to be completed by mid-2022.

For More Information

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Myrtle Creek CMAP Stage 2 Remediation Sites



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