



SIMEC

Myrtle Creek

Corrective Management Action Plan

December 2021 | Newsletter #18

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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 have resulted in some pools along Myrtle Creek only retaining water 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, surveying, characterisation and pool rehabilitation works. The approved schedule includes the remediation of Pools 23, 20, 14, 12a, 11 and 10 at Myrtle Creek.

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 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.

Pool 20 Rehabilitation

Remediation of Pool 20 at Myrtle Creek has been completed in September 2021. The remediation strategy involved the construction of a four stages 50m wide grout curtain wall to 15m depth using PUR. Preliminary monitoring results are very positive with the return of water in Pool 20 for the last 3 months. Monitoring will be ongoing at Pool 20 to assess the effectiveness of the remediation strategy.

Pool 18, Pool 14 Pool 12a, Pool 11 and Pool 10 Rehabilitation

Works is currently ongoing for five pools at Myrtle Creek using a staged curtain wall and PUR injection. Pool 18 curtain wall Stage 2 (6m depth) was completed in October 2021. Stage 1 (2m depth) of pool 12a, 11 and 10 was completed in November 2021. Surface and groundwater monitoring are currently ongoing at the above pools. The next stages of works are expected to resume in April 2022.

Remediation works are currently occurring at Pool 14. The remediation strategy includes the construction of a 26m wide curtain wall, 16m in depth. Pool 14 remediation works are expected to be completed in April 2022.

Works will be carried out at Pool 14 between **8:00am to 5:00pm, Monday to Friday** and are expected to be **completed in April 2022.**

For More Information

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Myrtle Creek CMAP Stage 2 Remediation Sites



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