



**SIMEC**

# Myrtle Creek

## Corrective Management Action Plan

March 2022 | Newsletter #19

MEMBER OF



### 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 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 extent 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 and consists of the construction of a four stages 50m wide grout curtain wall to 15m depth using PUR. Preliminary monitoring results are positive with the return of water in Pool 20 for the last 6 months. Monitoring is 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 are currently in progress 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. Pool 14 remediation work is expected to be completed in early April 2022.

Surface and groundwater monitoring are currently ongoing at all pools with preliminary results showing improvement of the pools holding capacity.

Stage 2 remediation at Pool 12a is planned to commence in April 2022 with the construction of a 40m wide curtain wall, 15m in depth.

Works will be carried out at Pool 12a between **8:00am to 5:00pm, Monday to Friday** and are expected to be completed in May 2022.

### For More Information

Email: [tahmoorenquiries@simecgfg.com](mailto:tahmoorenquiries@simecgfg.com)

T: (02) 4640 0100

MEMBER OF



T: (02) 4640 0100 E: [tahmoorenquiries@simecgfg.com](mailto:tahmoorenquiries@simecgfg.com) W: [www.tahmoorcoal.com.au](http://www.tahmoorcoal.com.au)

SIMEC Mining Site Address: 2975 Remembrance Drive, Bargo | Postal Address: PO Box 100, Tahmoor NSW 2573, Australia



**SIMEC**



SIMEC

MEMBER OF



# Myrtle Creek

Corrective Management Action Plan

March 2022 | Newsletter #19

## Myrtle Creek CMAP Remediation Sites



MEMBER OF



T: (02) 4640 0100 E: [tahmoorenquiries@simecgfg.com](mailto:tahmoorenquiries@simecgfg.com) W: [www.tahmoorcoal.com.au](http://www.tahmoorcoal.com.au)

SIMEC Mining Site Address: 2975 Remembrance Drive, Bargo | Postal Address: PO Box 100, Tahmoor NSW 2573, Australia



SIMEC