

17 February 2026

To Whom It May Concern,

RE: Carbon Abatement at Narrabri Coal Operations in financial year 2024-25 (FY2025)

The responsible emitter, Narrabri Coal Operations Pty Ltd (NCO), operates the Narrabri Underground Mine facility in the northwest of New South Wales (NSW). NCO's fugitive emissions make up a significant majority of the total carbon emissions for the site.

The mine's fugitive emissions are predominantly carbon Dioxide (CO₂) with a minor portion of methane. As an underground coal mine, NCO faces the challenge of hard-to-abate CO₂ emissions, a common issue across the industry. The limited readiness of technological options and the lack of cost-effective carbon abatement solutions present ongoing challenges in achieving a higher level of carbon abatement at NCO in FY2025.

In FY2025, the facility recorded elevated levels of CO₂ and relatively low concentrations of methane. These low methane levels made the pre-drainage gas (gas drained prior to mining) unsuitable for flaring or energy production. The methane concentrations in the main ventilation system were also significantly lower than the minimum required to support the implementation of Ventilation Air Methane (VAM) technologies. As a result, NCO was unable to advance major carbon abatement efforts targeting methane.

Carbon Abatement Initiatives Undertaken in FY2025

Enclosed Flare for Pre-drainage Gas

During the reporting period, detailed engineering design of an enclosed flare continued with initial payment made on long lead time items for the flare's construction. The system will be configured to integrate with NCO's existing pre-drainage infrastructure. The flare is designed to destroy methane from the pre-drainage system when methane concentrations exceed 30% and oxygen levels are below 6%, in line with regulatory requirements.

Although methane concentrations in FY2025 remained below the threshold for flaring, there is potential for the pre-drainage gas to achieve the composition and consistency required to enable flaring in future periods.

Sealing of the Northern Area (100 Series Panels)

Following the cessation of mining in the northern area, NCO maintained and enhanced the sealing of the Northern 100 Panel goaf areas by targeting weak points and applying PUR injection to prevent gas leakage. In FY2025, proactive goaf management strategies were implemented to reduce fugitive emissions and manage safety risks associated with residual gas. Ongoing monitoring ensures issues are identified and addressed promptly, supporting sustained emission reductions.

Carbon Neutral Electricity

In FY2025, NCO offset Scope 2 emissions by purchasing carbon neutral electricity. This effort supports the broader goal of transitioning to cleaner energy sources, minimising greenhouse gas emissions, and contributing to both regulatory compliance and national climate targets.

Narrabri Coal Solar Farm

Another important future initiative under consideration is the proposed Whitehaven Solar Farm Project, this initiative would generate up to 26 MW of electricity for direct supply to the mine. If constructed, the project would reduce NCO's reliance on grid electricity and lower emissions associated with electricity consumption.

In FY2025, Whitehaven Coal submitted an environmental impact statement to the New South Wales Department of Planning, Housing and Infrastructure in support of a development application for the proposed 26 MW solar photovoltaic facility. The project would be located on Whitehaven-owned land adjacent to the Narrabri Mine and includes an optional 10 MWh behind the meter battery energy storage system.

Carbon Dioxide Utilisation

Given the facility's high CO₂ production, NCO has been assessing opportunities to convert CO₂ from pre-drainage gas into a useful by-product. In FY2025, several options were reviewed, and the use of pre-drainage gas to support algae growth was selected for further investigation, with initial safety reviews and targeted feasibility assessments undertaken.

Over the next phases of the program, the project will further assess whether pre-drainage gas and mine water are suitable for algae production. Successful outcomes would support a range of potential end uses for the algae product and provide an early demonstration of technical performance and environmental benefits.

Industry engagement

Whitehaven recognises the need to partner with industry to develop solutions to reduce or remove carbon emissions. In FY2025, WHC participated in various greenhouse gas workshops and industry conferences to strengthen its understanding of emerging emissions reduction technologies and engage with peers facing similar challenges. NCO also takes part in the ACARP Mine Site Greenhouse Gas Mitigation group, contributing to collaborative efforts to identify practical solutions for reducing mine site emissions.

NCO will continue to assess long-term solutions by exploring innovative technologies and strategies for emissions reduction, recognising the challenges associated with the maturity and economic viability of current options. NCO's efforts in FY2025 reflect an ongoing commitment to reducing its carbon footprint while ensuring compliance with regulatory requirements.

Your Sincerely,



Grant Case
Director of Narrabri Coal Operations