

Former Goulburn Gasworks Site

Blackshaw Road, Goulburn

Environmental Controls. March 2019



Background

The former Goulburn Gasworks site is located on Blackshaw Road, Goulburn ('the gasworks site').

The Goulburn Gas and Coke Company (GGCC) originally operated the site as a gasworks between 1879 and the 1970s. GGCC constructed gasworks infrastructure and commenced the production of gas using coal gasification. In 1979, the Australian Gas Light Company (AGL) acquired GGCC, which subsequently merged into Jemena in 1994. The site is currently owned by Jemena Gas Networks (NSW) Pty Ltd, a subsidiary of Jemena Limited.

The historical gasworks operations and waste disposal activities contaminated the soil and groundwater at the site. Waste coal tars and associated gasworks residues in soils and groundwater have been identified in the vicinity of the former retort house and former tar wells as extending off-site in groundwater to the east of the site along part of the foreshore of the Mulwaree River.

The NSW Environment Protection Authority (EPA) declared the site as being significantly contaminated, requiring Jemena to implement a Voluntary Management Proposal to clean up the site.

Following receipt of the project approval, the remediation works commenced in November 2018.



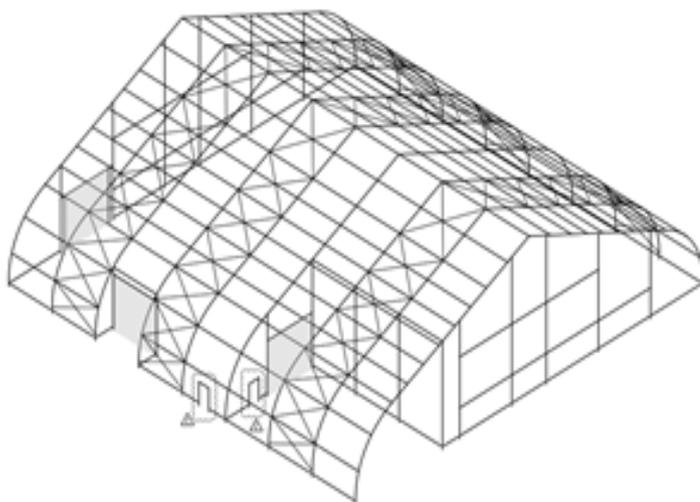
Site layout showing areas of excavation (yellow) and the location of the OCE (red)..

Environmental Controls

Environmental controls are measures that are put in place to mitigate potential environmental impacts whilst undertaking the remediation works. The primary environmental controls for the gasworks remediation project include an Odour Control Enclosure (OCE), which covers the northern section of the site where tar-impacted soil and contaminated materials are treated, and an Emission Control System (ECS), which filters air extracted from the enclosure and a Water Treatment Plant (WTP) to remove contaminants from water collected onsite.

The Odour Control Enclosure is designed to:

- provide a temporary structure whilst remediation is underway;
- accommodate excavators and other plant of various sizes working within;
- contain emissions of dust, odour and volatile contaminants generated by the excavations;
- prevent storm water from entering the treatment area; and
- limit the visual and noise impacts of the remediation activities.



The line drawing shows the shape of the 'tent-like' Odour Control Enclosure

The OCE will have a footprint of 1,600m². It will be approximately 15m high at its apex and 9m high at its eaves.

The OCE will be constructed of steel trusses covered in a durable, weather-proof fabric. Large roller doors provide access for vehicles. The doors are automatic and include air curtains to minimize dust, odour and volatile emissions escaping from the structure.

An emission control system filters the air that will be extracted from the OCE.

The air passes through a series of particulate and granular-activated carbon filters which removes contaminants from the air. To maintain sufficient air circulation within the OCE, air extracted from inside the enclosure will be replaced with ventilated fresh air.



Picture shows a similar Odour Control Enclosure being used overseas.

Environmental monitoring is conducted during remediation to confirm the effectiveness of the environmental controls. Volatile organic compounds and noise will be monitored at points around the boundary of the site, closest to neighbouring properties.

Contact Us:

For more information about the Goulburn Remediation project or to ask a question, seek feedback or receive regular updates about the progress of the project, please contact us on;

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