

# Newcastle Clyde Street Former Gasworks Site Remediation Project

Environmental Controls – October 2019



## Background

The Newcastle Clyde Street former Gasworks site is located adjacent to Clyde Street and Chatham Road in Hamilton North, around 3km north-west of the Newcastle CBD. The site is approximately 7.4 hectares in area and is bordered by Clyde Street, Chatham Road, the Main Northern Railway Line, and the Styx Creek channel.

The Newcastle Gas Company (former owner of the site) operated a gasworks from 1913 to 1985. In 2006 Jemena acquired the site as part of a wider business transaction.

## Remediation Works

Jemena has commenced remediation of contamination which resulted from the historical operation of the site as a Gasworks.

Primarily, site contamination occurred from the storage of coal tar (a by-product of coal gasification process) in below ground tar wells.

Works involve the construction of an approximately 510 metre long subterranean (underground) barrier wall to redirect groundwater flow around the areas of highest contamination. Regrading of the entire site is followed by a capping layer, with drainage and bitumen sealing.

## 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 project include;

## Air Quality

The management and monitoring of Air Quality is guided by the project Air Quality Management plan.

Mitigation measures incorporate;

- A wheel wash, wheel shaker (to remove dirt) and visual inspections prior to trucks leaving the site at the exit point.
- The use of water carts across the site for dust suppression at the source
- An Asbestos removal control plan, including licensed Asbestos contractors to undertake any asbestos works.
- Asbestos assessor and Occupational hygienist on site to confirm controls and mitigations in are in place and effective.



*Above; Environmental monitoring for Air Quality is undertaken at the Site boundaries.*

- SafeWork are notified, and approvals provided for any Asbestos related works
- Training is provided to all workers on site in the management of Air Quality and mitigation measures
- If materials containing odours are detected, control measures and prevailing winds are reviewed
- Odour suppressants used in water carts if required

## Environmental Monitoring

Environmental monitoring is conducted during remediation to confirm effectiveness of the environmental controls and ensure compliance with the Project approval requirements.

Air quality, dust, noise and vibration is monitored at points around and outside the boundary of the site, closest to neighboring properties.

Data is collected daily to measure effectiveness of controls and to identify any triggers, reassess and take corrective actions.

Potential impacts from the remediation works will be temporary and the Project is expected to provide an overall positive impact to the local environment.

## Project Construction Timeline

**September 2019** – Site establishment and environmental controls.

**October – November 2019** – Demolition and relocation of Stockpiles

**December 2019** – Sub-terranean Barrier wall construction commences

**Mid 2020** – On-site Remediation works completed.

## Community Consultation

Jemena is committed to the successful remediation of this site, and throughout the works we will continue to provide regular updates regarding the progress of the project to the local community and stakeholders.

We welcome community members to make contact with us, through the various contacts detailed below.



*Above: Aerial photo showing the site boundary in red.*

## Contact Us:

For more information about the Newcastle Clyde Street Remediation project we encourage you to register on our Project Portal at: [haveyoursay.jemena.com.au](http://haveyoursay.jemena.com.au) or contact us on;

P: 1800 571 972

E: [clydestreet@jemena.com.au](mailto:clydestreet@jemena.com.au)