

Northern Suburbs Ocean Outfall Sewer (NSOOS) Tunnel Works Update Cremorne, Cammeray and Crows Nest August to October 2022

Community Engagement Representative:

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Working safely in your area

Sydney Water provides essential services to the community and we are continuing our work to ensure everything works the way it should. The safety of our staff and the community is our priority, and all our work is done in accordance with NSW Government COVID-19 guidelines.

We therefore follow strict health and safety precautions while working in your area. If you wish to speak to us during our work, please keep a safe distance of at least 1.5 metres.

Site locations – tunnel entry and activities

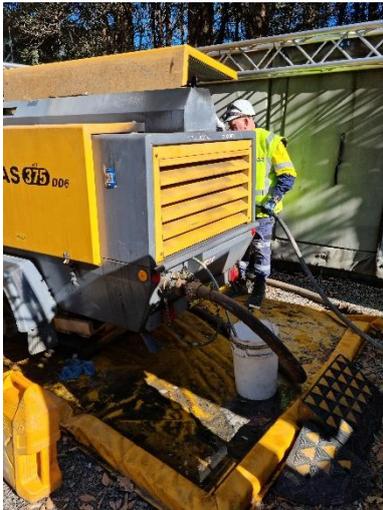
Specialist contractor Metrocorp Technologies Pty Ltd (Metrocorp) began desilting and rehabilitation work inside the NSOOS tunnel between Cammeray Golf Club and West Street, Crows Nest in August 2019. This package of work also includes desilting activities from West Street, Crows Nest to Russell Street, Wollstonecraft.

Metrocorp's main points of entry to the NSOOS are at Brightmore Reserve, Cammeray Golf Club and ANZAC Park. The compounds are securely fenced, have shade cloth to blend into the landscape and use odour masking sprays when tunnel access lids are opened and closed. In addition, material removed from the sewer is disposed of each workday.

Ventilation sites

Tunnel ventilation sites are at Russell Street, Wollstonecraft; Carlyle Street, Wollstonecraft; West Street, Crows Nest and Primrose Park Tennis Courts, Cremorne. The Carlyle Street and West Street sites also function as emergency evacuation points for workers.

We apologise for any inconvenience for the temporary closure of Carlyle Street to traffic from Milner Crescent as well as the closure of the inside lane in West Street. These closures are required until project completion and ensure worker and road user safety.



Refuelling an air compressor. The yellow bunded area would contain any potential spill.

Project timing

Wet weather events and unforeseen tunnel conditions that require more complex repairs are the main cause of project delays. COVID restrictions also proved challenging in 2021 and earlier this year. Nonetheless, **we still expect to complete this section of work by late 2022**, weather and tunnel conditions permitting.

Main activities

The five main activities are:

1. Silt and debris removal – Silt and debris inside the tunnel is collected and removed using custom-built pontoons and equipment. Waste is dewatered and placed in covered bins before disposal
2. Surface preparation – High pressure water jets and other specialised machinery remove deteriorated concrete and ensure there is a clean and solid surface for further work
3. Concrete arch repair – High strength shotcrete sprayed over stainless-steel mesh restores the structure to its original form. This work can be slow going as it depends on the prevailing conditions and level of repair needed
4. Corrosion protection – A final layer of hard-wearing chemically resistant shotcrete using calcium aluminate cement is sprayed onto the repaired area, creating a durable and smooth finish.
5. Final de-silt – Silt is removed a second time before work is completed.

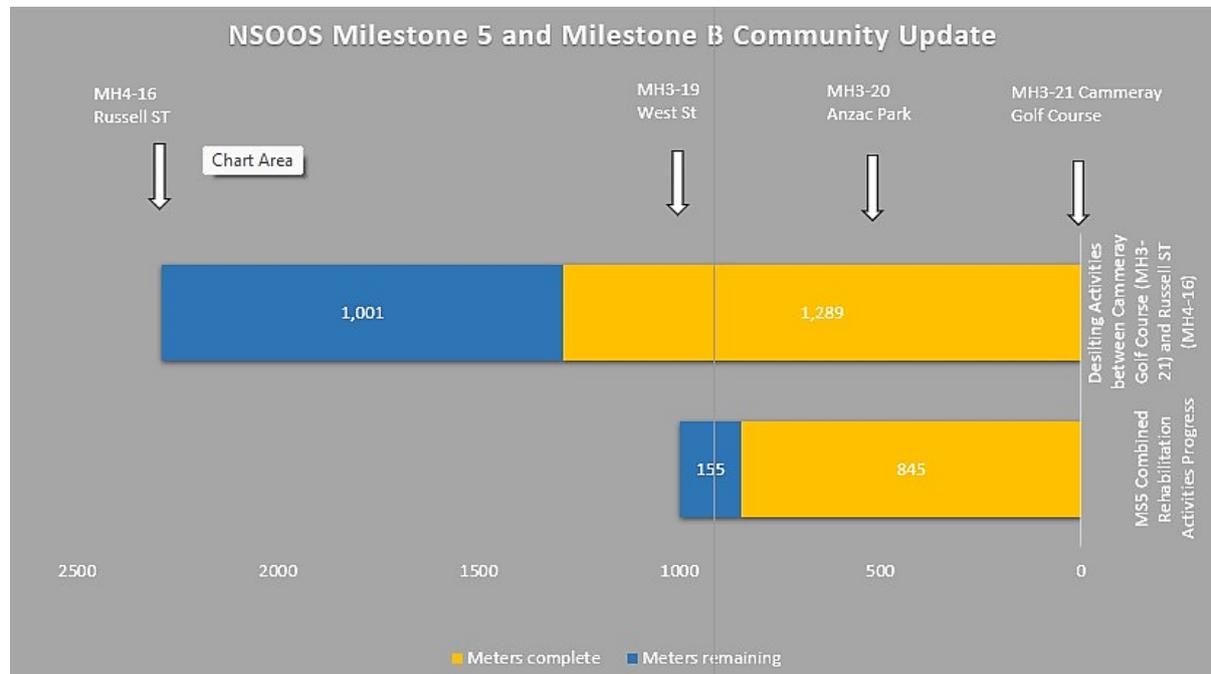


Emergency evacuation exercise so safety procedures, roles and responsibilities are well understood by work crew.



Progress overview

The following table summarises our progress rehabilitating the NSOOS upstream from Brightmore Reserve, Cremorne.



Restoration

Once the rehabilitation work is finished, sites will be demobilised and areas restored to pre-construction condition. We will work closely with North Sydney Council to ensure site restoration is in line with Council and community expectations.

ANZAC Park and Cammeray Golf Club Sites

All equipment, machinery, buildings and fences will be removed and the areas revegetated as close as practicable to their pre-construction condition. No permanent Sydney Water above ground structures will remain onsite following the completion of our work.

Odour masking spray unit beside a sewer access lid, operated when the lid is opened.



Warringah Freeway Upgrade

Service and utility relocation work is continuing in Cammeray, including at Anzac Park and the Cammeray golf course. Main construction work will be starting in 2022. For information and updates, please visit nswroads.work/whtportal or contact the team on 1800 931 189 or whtbl@transport.nsw.gov.au

Project benefits

Our wastewater system works behind the scenes to protect the environment and the health of your community. This work will reduce the risk of wastewater overflows into Sydney Harbour and add a further 50 years to the lifespan of the near century old NSOOS tunnel.

Odour and noise management

We know working inside the tunnel while it continues to operate will result in some odour and noise being experienced by surrounding residents. We are committed to minimising the impact of our work as much as possible.

For odours experienced during work hours, please call 1800 233 076. For odours experienced after hours please call 13 20 90.

Odour



Due to the nature of our work, there is potential for odours to escape from the wastewater network while lids are open. We will have odour controls in place.

Noise



There will be some noisy works due to heavy machinery, including water blasters and generators. Noise blankets may be used as mitigation.

Sydney Water Talk

Sydney Water Talk is an online space where you can have your say and stay updated on Sydney Water projects and plans. Simply scan the QR code opposite with your smart device to learn more about all work occurring on the NSOOS. Alternatively, you can visit the webpage here: <https://www.sydneywatertalk.com.au/nsoos>



Thank you

We appreciate your patience and understanding while we complete this important work. We also aim to be good neighbours and appreciate community feedback.