

Wastewater rehabilitation in Lane Cove and Riverview

June 2017

Sydney Water’s contractor, Interflow Pty Ltd has started rehabilitation and repair work in the Northern Suburbs Ocean Outfall Sewer (NSOOS).

The NSOOS is a large wastewater tunnel that is over 28 kilometres long and is vital in keeping our waterways clean.

Our work involves removing the silt and debris that has built up within the tunnel over the years as well as resurfacing the walls and roof which have deteriorated. It will ensure the NSOOS continues to protect public health and the environment for many years to come.

The map below shows the location of the NSOOS and the section that we are currently rehabilitating.

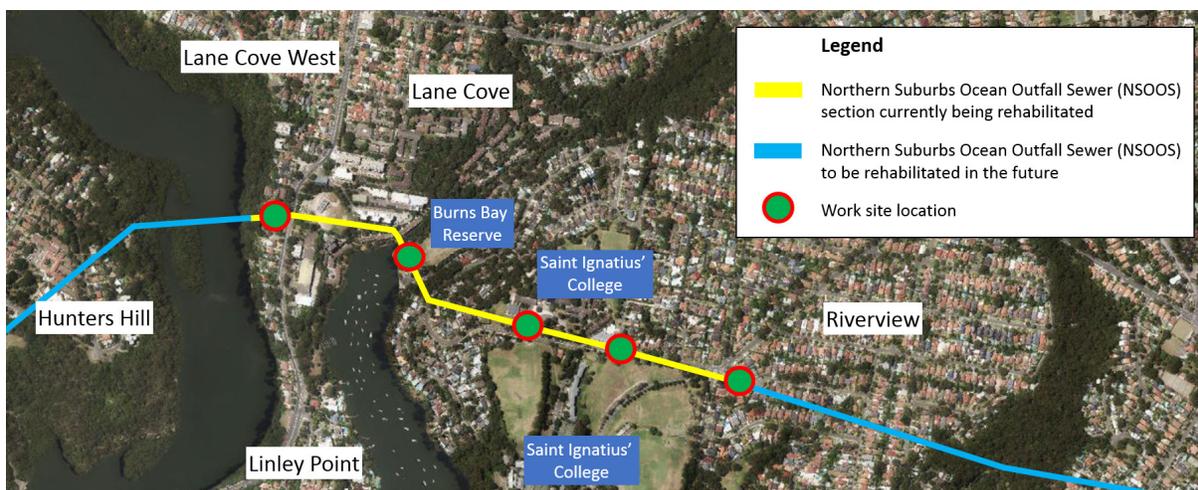
Phases of work

The work inside the NSOOS is broken down into several phases. While we typically complete the work in the below order, we sometimes need to adjust our work schedule because of weather or system conditions.

Site set up

We finished setting up our work sites earlier this year. We have work sites in the following locations:

- Burns Bay Road, Lane Cove West
- Burns Bay Reserve, Riverview
- Saint Ignatius’ College, Riverview
- corner of Riverview Street and College Road South, Riverview
- intersection of Riverview Street and Tambourine Bay Road, Riverview.



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Each site involves different types of work so are set up differently. Our main work compound is located at the Burns Bay Aqueduct in Burns Bay Reserve, Riverview.

Silt and debris removal

We have designed and built a machine that is tailored to be driven through the NSOOS to collect the silt and debris that has built up on the tunnel floor.

The machine will enter the NSOOS at Burns Bay Reserve and will be driven through the tunnel by our specialist crew. It will scoop up the silt and debris, which is mostly made up of small pieces of concrete tunnel lining that has fallen off the internal roof and walls.



Our project team inspecting the tunnel roof prior to rehabilitation

Rehabilitation

After the silt and debris has been removed, our crews clean the internal roof and walls of the tunnel with high-pressure water. This will help dislodge any crumbling or failing sections of the concrete lining.

After the surface has been cleaned, the crew will begin repairing the failed sections of the tunnel lining before giving the whole surface a new coating.

Debris clean up

This second stage of debris and silt removal is to collect and remove any of the crumbling lining that dislodged during the high-pressure water cleaning at the start of the rehabilitation phase.

History of the NSOOS

The NSOOS runs along the north side of the Parramatta River collecting wastewater from as far west as Blacktown and transporting it to the North Head Wastewater Treatment Plant in Manly.

It was constructed progressively between 1916 and 1933 and collects about 25% of Sydney's wastewater.



Construction of the NSOOS in the late 1920s

Courtesy: Sydney Water / WaterNSW Historical Research Archive – 30.5.29-3

To know more

To know more, call our community relations team on 1800 233 076 or email community.sydney@interflow.com.au

For 24 hour service disruptions or emergencies please call 13 20 90.