

North Head

Water Resource Recovery Facility

Our wastewater system works behind the scenes to protect the environment and the health of our communities.

The **North Head Water Resource Recovery Facility** (WRRF) serves over one million Sydneysiders: from Seven Hills in the west, Yagoona in the south, and Ku-ring-gai and Collaroy in the north.

This newsletter provides an update on what's happening at the North Head facility, including:

- the Biosolids upgrade project
- other upgrades at North Head and around the Manly area.

Biosolids upgrade project

Construction for phase one of the Biosolids upgrade project has been ongoing since November 2021. In March 2023, we finished construction of our two new digesters.

Since then, we have completed all our tests and checks to get the digesters ready for use. We also installed new fittings and equipment including:

- a new waste gas burner to eliminate excess gas that can't be reused by the cogeneration engine that powers the facility.
- installing new switchrooms and electrical works. We're now completing the final construction work for the switchrooms and installing the electrical panels.

Next steps

Our remaining work for phase one of the Biosolids upgrade project is expected to continue to mid to late 2025 and involves:

- installing steel structures to support piping and electrical connections to the ground equipment
- cabling and electrical works to connect the new switchrooms to the equipment
- installing an additional centrifuge into the existing dewatering building
- final commissioning work.

Thank you to our neighbours in Manly for bearing with us during this important work. We know that the increase in truck movements can be disruptive, so we really appreciate your patience and cooperation.

Other upgrades at North Head and Manly

There are several other upgrades underway at the North Head facility and around the Manly area to keep things running reliably.

Update on NSOOS rehabilitation

You may recall from our previous newsletters, our 'once in a generation' rehabilitation work on the Northern Suburbs Ocean Outfall Sewer (NSOOS) is underway. The map on page 2 shows an overview of our progress and next steps.

Cremorne to The Spit section (Section 3)

Over ten kilometres of the tunnel has been desilted and rehabilitated since we started in 2017, mainly between Lane Cove and

Cammeray (Section 4 and 5). Work on the section of the tunnel between Cremorne and The Spit (Section 3) is progressing and is expected to be completed by early 2027.

Clontarf to North Head section (Section 1)

We're continuing to refine our plans to desilt the next section of the NSOOS from Clontarf to North Head (Section 1).

You may recall from our last newsletter, as part of our preparation, we're building an underground access cavern at the North Head facility. This involves excavating sandstone rock about 60 metres underground. The cavern will serve as a new NSOOS access point for our specialist desilting equipment and crews.

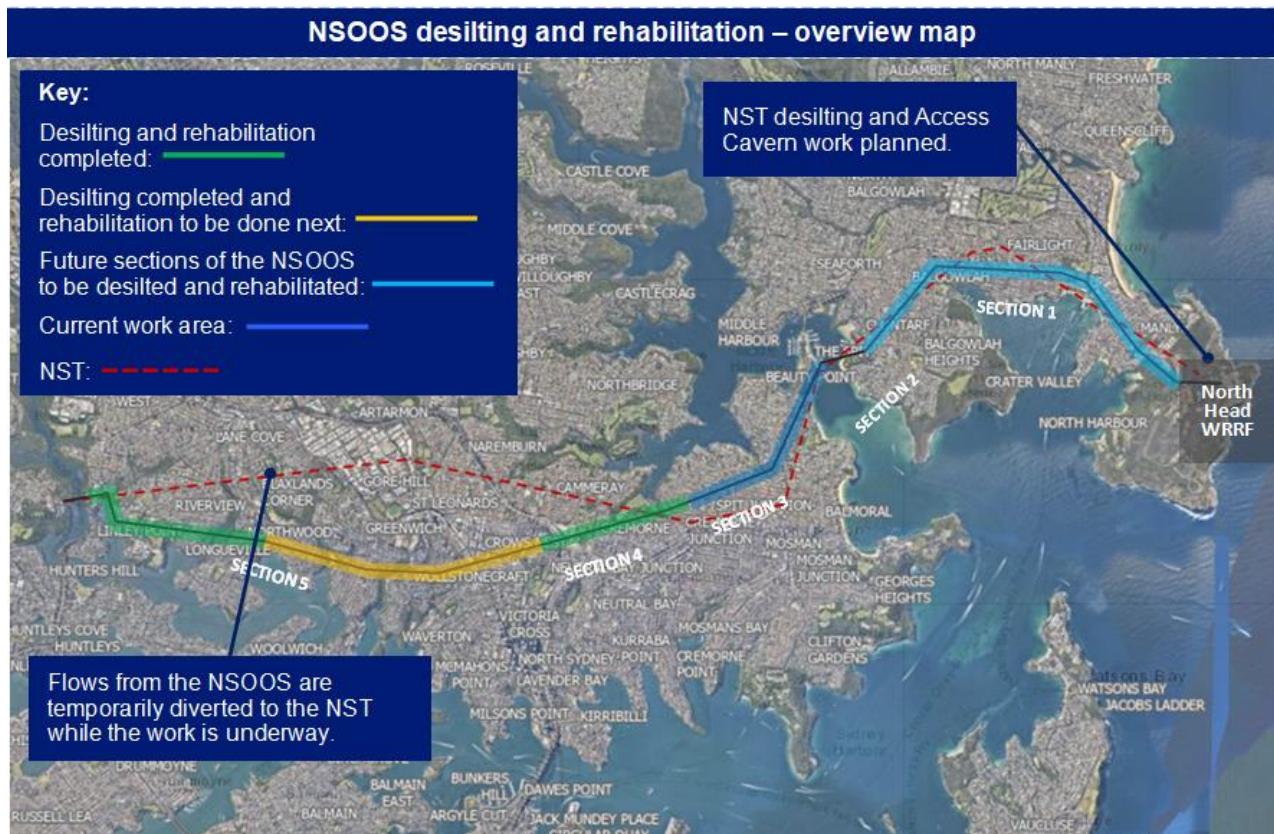
While the NSOOS rehabilitation is underway, we'll temporarily redirect wastewater to the Northside Storage Tunnel (NST). To support this, we're continuing with our planning to clean out silt from parts of the NST underground at our North Head facility so it

can continue operating as a diversion to the NSOOS.

This important work will help to pave the way for future sections of the NSOOS to be rehabilitated and once completed, will increase capacity, assist in preventing overflows and extend its lifespan.



Our work crew rehabilitating the NSOOS tunnel below ground.



Renewing the water main in Bower Lane and Marine Parade, Manly

You might have seen our crews carrying out work to renew the water main in Bower Lane and Marine Parade in Manly. This important work will ensure we can continue to give you clean and reliable water every day.

We completed some investigations in March this year to confirm where our pipes and other services are below the ground in preparation for construction. We started construction in July and expect work to continue until November 2024.

Following feedback from residents during our investigations, and in consultation with Northern Beaches Council, we developed a schedule of special work hours for construction as shown on the map below. These special work hours aim to minimise

disruption and balance the needs of neighbours, businesses, and pedestrians.

We've finished installing the water main in Bower Lane and Marine Parade. Our next step is to temporarily restore the footpath and road to allow for continued use. After our work is finished, we'll work with Northern Beaches Council to complete permanent restoration.

We know that our work can be disruptive, and that Marine Parade is a very popular walkway that is much loved by the Manly community.

Thank you to our neighbours in Manly for bearing with us during this important work.

Renewing the water main in Bower Lane – special work hours to minimise community impact.



To find out more

Biosolids upgrade project

For more information and updates on the project, visit our Sydney Water Talk page at www.sydneywatertalk.com.au/nh-biosolids

You can also contact our team directly on **1800 943 119** or email confluence@sydneywater.com.au

North Head operations

For general enquiries related to the North Head facility, you can contact the North Head Hub on **9934 4423** or email northheadhub@sydneywater.com.au

NSOOS rehabilitation

For more information and updates on the project, visit our Sydney Water Talk page at www.sydneywatertalk.com.au/nsoos

You can also contact our team directly on **0475 767 272** or email scott.mckellar@sydneywater.com.au