



Installation underway on NSW's first biosolids Carboniser

March 2026 marked a major milestone with installation now underway on NSW's first Carboniser at the Riverstone Water Resource Recovery Facility.

This cutting edge technology transforms wastewater biosolids into carbon rich biochar, a valuable product with applications in agriculture, construction and manufacturing. Helping turn waste into a reusable resource.

Ahead of installation, our project engineers travelled to Germany to work directly with the manufacturers, building the expertise needed to assemble, install and commission this first of its kind infrastructure in NSW.

The installation involved an impressive logistical effort:

- A 300 tonne crane lifted the carboniser into place under the guidance of international specialists
- The carboniser arrived in seven oversized shipping containers, requiring specialist transport
- Additional ancillary components were delivered in six high cube containers

This milestone supports Sydney Water's commitment to innovation, sustainability and circular economy outcomes, helping build a more resilient future for wastewater management in NSW. We're proud to be leading the way.



Carboniser dryer building under construction

Second stage of work

The North West Hub Alliance will deliver the next phase of water treatment growth works for the North West Treatment Hub sites which includes the Riverstone and Rouse Hill water resource recovery facilities (WRRFs).

Scheme 2 builds on the strong progress already underway, awarded off the back of works currently in delivery at Riverstone and Rouse Hill WRRF, which are more than 50% complete.

Under Scheme 2, treatment capacity at Riverstone WRRF will double, supporting one of Sydney's fastest growing regions. Design is already underway, with construction expected to commence mid-2026.

Together, this work will expand treatment capacity, support future housing growth, and help keep Sydney's waterways clean.



Riverstone Local MP Warren Kirby with project team

Did you know?

Our project team survey the local area to make sure our construction activities don't impact the native Cumberland Plain Land Snail, a species that calls the North West home. Any snails found are relocated to a safe place nearby so that they remain protected.

It's just one of the ways we look after the environment because even the smallest site residents matter and caring for local biodiversity is a key part of how we deliver our projects.



Diversity, equity and inclusion

At the North West Hub Alliance (NWHHA), diversity, equity and inclusion are embedded in how we work, lead and grow together.

The team celebrated International Women's Day in March 2026 with an afternoon focused on wellbeing, connection and shared experience. The event sparked meaningful conversations about working in a traditionally male-dominated industry and reinforced the importance of representation and supportive workplaces.

We are proud to be exceeding diversity targets, with more than 21% of leadership roles held by women, reflecting our commitment to empowering women and building leadership teams that better represent our communities.

The project had the opportunity to attend the third Sydney Water Supply Chain Expo in March 2026, spending the day connecting with industry partners and suppliers and showcasing the great work being delivered across the Hub.

This year, Sydney Water introduced a formal recognition program celebrating excellence across its supply chain and we're proud to share that we won the Sustainability Award for our SENSE600 (low carbon footprint reinforcing steel) initiative. The project also received a highly commended award for our First Nations engagement.

These achievements are a testament to our team's dedication, collaboration and commitment to delivering meaningful outcomes in sustainability and First Nations engagement.



More than \$1.7m spend on Aboriginal Participation. 5.91% exceeding target of 3%.



More than 3.6% of workforce are Aboriginal employees.



17% of our project are women and 21% of our leadership are female – Yeah the girls!



19% of our workers are from a culturally and linguistically diverse background.



6 graduates and 13 work experience individuals.

Inspiring the next generation

Supporting young people and building future skills is a key part of our commitment to the communities we work in.

In March and June 2026, members of our team took part in a high school engagement day at Warragamba Dam, where our Senior Environment Advisor and Community Engagement Lead shared their career journeys and led a fun, interactive water activity. Students also enjoyed a behind-the-scenes tour of the dam, including inside the dam wall, bringing learning to life and showcasing the impact of water infrastructure.

Beyond Warragamba, our team has attended several career expos across the North West, engaging with students from Years 9 to 12 and sharing insights into careers in construction and water.

These initiatives help inspire future pathways and support the next generation of industry professionals, and we look forward to welcoming more students through future work experience opportunities on our project.



Project team members and students at Warragamba Dam



High-voltage electrical work

We've all heard the saying that electricity and water don't mix, but on our project, they work together safely and seamlessly.

High-voltage electrical work is currently underway to connect and power critical treatment infrastructure at Rouse Hill and Riverstone Water Resource Recovery Facilities.

This work will connect each facility to local substations, providing the power needed to operate water and wastewater treatment processes.

We thank the community for their patience while we complete this important work.



Check out our new digital map by scanning the QR code to find out more about the construction activities occurring in the area.



Environment and Sustainability project team members

Have Your Say

We are seeking community feedback on our Water, Noise and Air Quality Management Plan to help guide how we manage environmental impacts on the project. We invite feedback on potential water quality, noise and air quality impacts, as well as the proposed mitigation measures and monitoring approach.

How to provide feedback:

- Email: NorthWestTreatmentHub@sydneywater.com.au
- Phone: 1800 060 584

Feedback period: Monday 6 July to 31 July 2026

All feedback received will be reviewed and considered by the project team as part of our ongoing environmental management.

More information

Thank you to our people, partners and communities for your ongoing support. Together, we're building smarter infrastructure, stronger communities and a more sustainable future for the North West.

Interpreter service



If you need an interpreter, please call 13 14 50

Arabic | Chinese (Traditional) | Chinese (Simplified) | Greek | Korean | Vietnamese

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如果您需要口譯員，請撥打上面列出的電話號碼

如果您需要口译员，请拨打上面列出的电话号码

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Want to know more



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