



September 2021

Prospect South to Macarthur Update

Sydney Water has a long-term plan to increase resilience in our network and to extend the city's water capacity and supply.

As part of the Prospect to Macarthur (ProMac) project we are upgrading the existing reservoirs at Liverpool and Cecil Park as well as building two new reservoirs at Oran Park to allow for a total of 100 ML of additional reservoir capacity. That's the equivalent of about 50 Olympic-sized swimming pools!

We are also building a new water pumping station at Harrington Park to provide drinking water services for 84,000 new homes in the South West Growth Area and Western Sydney Aerotropolis Growth Area – even during the hottest and driest days.

Sydney Water is investing in new infrastructure that will not only support future growth and development in Sydney's South West, but also meet the challenges of a changing climate.

Oran Park Reservoirs

Earthworks construction and piling works for the two 24 mega-litre reservoirs at Oran Park is now complete and our contractor Ferrycarrig is currently installing underground pipelines that will connect the new reservoirs to Sydney Water's existing network.

A new access road from Dick Johnson Drive leading up to the reservoir is also being constructed. This road will tie into the future road network currently under construction for the new Oxley Ridge community.

Our contractor CB&I will mobilise to site towards the end of September to start construction of the two reservoir tanks. This will involve foundation work, construction of the steel tanks and civil works to construct surrounding pavement, including footpaths, kerbs and carparks.

Construction of the new reservoirs is expected to finish in November 2022.

About the new twin reservoirs

- the tanks will be 41m wide and 20m high
- the tanks will be coloured green, so they blend in with their surrounding environment
- the tanks will hold 24 mega-litres of water each
- 1km of pipework will be installed to connect the reservoirs to the existing network.



The new Oran Park reservoir site



Pipes being installed at the Oran Park reservoir site

New re-chlorination plant

A re-chlorination plant will be built next to the new reservoirs in Oran Park. We will build one building, covering an area of approximately 16 metres by 3.5 metres, standing 3.5 metres high.

Small amounts of chlorine are added to drinking water to make it safe to drink. This is in line with Australian Standards.

This new plant will automate the dosing and monitoring of chlorine into the adjacent reservoirs, which gives Sydney Water better control over water quality for its customers.

The building will be constructed offsite and delivered as a complete unit to be installed onsite. Construction of the new facility will start in February 2022. The building will be painted green to help it blend in with its surroundings.

Once the plant is operational, Sodium Hypochlorite (commonly known as chlorine) will be delivered in a tanker truck each fortnight. Deliveries will be received Monday to Friday 7 am to 6 pm and Saturday 8 am to 1 pm.

Chlorine is odourless and a new tanker receiving area will be surrounded by a concrete bund similar to a petrol station forecourt, to safely capture any spills during unloading.

An operating re-chlorination plant is not noisy and would be accessed weekly by Sydney Water personnel for deliveries, inspections and maintenance.



A picture of a typical Sydney Water re-chlorination plant.

Oran Park site layout



Harrington Park pumping station

Construction of the new pumping station at Harrington Park was due to commence in July 2021. Unfortunately, due to unforeseen circumstances our start date has been delayed.

We are confident that once this delay has been resolved, we will be able to commence the project quickly and efficiently.

We will provide an update to directly impacted residents and businesses before this project commences.

High Voltage power works

Our contractor Gremalco has been working to install 5 km of underground electrical cable to connect the new pumping station in Harrington Park to the Oran Park Zone Substation.

We have been digging in the road verge and footpath to haul cables through existing underground conduits as well as installing new conduits and cables along The Northern Road.

Installation of the new cable is expected to be complete by May 2022.

We have temporarily restored disturbed areas. When work is complete, we will work with Camden Council to complete permanent restoration.



Harrington Park site layout

Working in the community

The health and wellbeing of the community and Sydney Water workers and construction crews is our top priority.

All ProMac crews are classified as authorised workers in construction and are adhering to testing, social distancing, vaccination and mask requirements.

Thank you for your patience and cooperation during this essential work.

To know more about ProMac:

Call: 1800 678 098

Email: ProMac@sydneywater.com.au

Visit: www.sydneywatertalk.com.au/ProMac

Interpreter Service 13 14 50

Arabic • Chinese • Greek • Italian • Korean • Vietnamese

إذا كنت تحتاج إلى مترجم، يرجى الاتصال بالرقم أعلاه.
如果您需要傳譯員的協助，請致電以上的號碼。

Αν χρειάζεστε διερμηνέα, τηλεφωνήστε στον παραπάνω αριθμό.

Se vi serve un interprete, telefonate al numero indicato sopra.

통역사가 필요하시면 위의 번호로 전화하십시오.

Nếu quý vị cần thông dịch viên, hãy gọi đến số trên đây.