

Harrington Park water pumping station

Why are water pumping stations needed?

Pumping stations in a water distribution system are installed when water is unable to move from A to B by gravity alone and the pressure needs to be increased.

The new Harrington Park water pumping station will pump water between the Narellan South reservoir and the new Oran Park Reservoir, which is currently under construction.

How does the pumping station work?

Sydney Water operates a wide range of pumping stations of different configurations and capacities. Most pumping stations are located within the distribution system, on major trunk mains, in high level areas or to service distribution reservoirs.

Harrington Park water pumping station will operate using two pumps, one being a duty pump and the other, a standby (backup) pump. The pumps will use variable speed drives (VSD). A VSD controls the amount of power used by the pump so energy can be saved during times of reduced demand.

How is the pumping station powered?

Sydney Water is installing 5 kilometres of new underground electrical cable along The

Northern Road which will connect the new pumping station in Harrington Park to the Oran Park Zone Substation. The motors and pumps inside the station will be electric.

Will any chemicals be used to treat the water?

No chemicals will be used at the water pumping station. Water is treated at reservoirs using Sodium Hypochlorite (commonly known as chlorine) before it gets to the pumping station.

Will the pumping station be noisy?

The pump station building will include acoustic noise reduction measures to comply with the requirements of the Environmental Protection Authority (EPA). A permanent noise wall will also be constructed along the southern boundary of the site.

Construction Update

Since mid-September 2021 our construction team has been very busy with several sections of work. These include:

- Identifying underground services prior to construction works
- Construction of the entry / exit point to the site from The Northern Road
- Site clearing of trees and vegetation
- Construction of the temporary access road and bunding through the site

- Clearance of the area where the compound and site offices will be established.

We anticipate over the coming weeks the following works will commence:

- Installation of the temporary noise wall along the southern boundary of the site
- Establishment of the site offices and compound
- Bulk earthworks for preparation of the piling activities.

Managing impacts on the community

Our delivery contractor Downer have implemented mitigation measures to reduce construction impacts on nearby residents by:

- Carrying out mulching activities away from the property boundary
- Monitoring weather and site conditions each day and changing schedule when required
- Switching off machinery and equipment when not in use
- Dust monitoring and implementing dust suppression when required
- Washing down heavy vehicles before exiting site on to The Northern Road.

Trucks and other deliveries are only permitted to access and leave site between 7 am and 6 pm Monday to Friday and 8 am to 1 pm Saturday. You will be notified if we need to work outside of these hours.

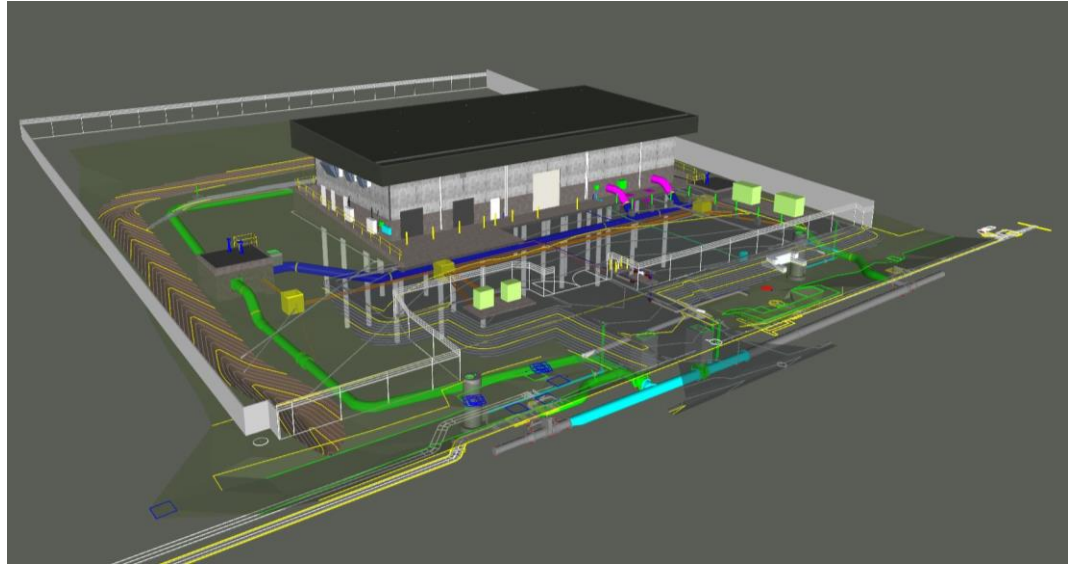
Improving safety during this work

Making sure our work is done safely is very important to us. We are constantly working to reduce any risks to our people and the environment. These include:

- ensuring sediment controls are in place and working, especially during rain events
- implementing exclusion zones which segregate our people from plant and equipment
- daily prestart meetings with our crews which include identifying critical risks and what controls should be in place to manage these risks.

Communicating with you

We will keep the local community updated through regular letters and newsletters. We will also contact you to update you on specific activities that may impact on the local community.



Design of the new pumping station at Harrington Park

Thank you

We would like to take this opportunity to thank you for your patience and understanding during this important work.

If you have any feedback on our work, we'd love to hear from you. Downer and Sydney Water takes community feedback seriously.

Interpreter Service 13 14 50

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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.

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