

Snowy Monaro Regional Council
81 Commissioner Street
Cooma NSW 2630

Approval number: 16030

Notice of determination

Section 60 approval for construction of the Delegate Water Treatment Plant

I am writing to inform you that on the 8th September 2023, I, the Director Local Water Utilities, as delegate of the Minister for Lands and Water, in accordance with section 60 (b) of the Local Government Act 1993 have granted approval for the construction of the Delegate Water Treatment Plant, Lot 1 Corrowong Road Delegate.

The approval is subject to the following conditions:

- Consistency with design - a local water utility can only construct drinking water treatment works that are consistent with those approved. Some degree of variation is acceptable to ensure that the practical realities associated with design and construction are accounted for.
- Consistency with standards - Local water utilities must always adhere to any relevant legal, regulatory, industry or technical standards in completing the works (including environmental planning requirements where relevant).

The approval operates from 22nd of August 2023.

Scope of approval

The approved treatment works include the provision of a new water treatment plant and associated works as detailed in Delegate Design Report Revision 5 (29/06/23) and in drawings:

- New water treatment plant and equipment site layout (Drawing No. 1116-005 Rev. B).
- Raw water P&ID diagram (Drawing No. 1116-P-001 Rev. C).
- Concrete Treated Water General Arrangement (Drawing No. 1116-080 Rev C).

The work shall comprise of a new water treatment plant with a net production capacity of 0.35 ML/d to be produced over 22 hours with a max flow rate of 5.3L/s. The detailed scope of work shall comprise of the following components:

- Replacement of duty/standby raw water pumps in existing raw water pump station building and install continuous raw water sampling pump system and analysers
- Pre-oxidation via potassium permanganate or chlorine
- Raw water storage via 283 kL raw water tank (existing)
- Connection of existing 283 kL water reservoir outlet to new WTP inlet
- Bypass around existing 283 kL to new WTP inlet (in the event the existing 283 kL tanks needs to be taken offline)
- Duty/Standby Re-lift pumps to DAF process
- Oxidation pH adjustment; pre-soda ash dosing
- Coagulant dosing and Coagulation in mechanical mixed rapid mix tank then slow mechanical mixed flocculation tanks where polymer is dosed (if required)
- 1 No train of dissolved air floatation (DAF)
- UF/MF Balance tank
- Filtration via 2 No trains of UF/MF, CIP cleaning system and air scour
- UV disinfection: duty + standby reactors including UVI and UVT sensors
- Treated water stabilisation; post soda ash

- Treated water chlorination
- Treated water tank (500 kL usable volume) and pipework to existing treated water pipe
- Combined washwater / sludge entry pond (to slow flow rate down into sludge ponds)
- 2 no. sludge ponds with buffer lagoon and access road
- Overflow dam and earthworks
- Connection of DAF sludge and UF washwater to sludge ponds
- Supernatant/subnatant return pumps from sludge ponds to raw water tank inlet
- Site allowance for future fluoridation; as sodium fluoride saturator-based system
- As a minimum all sample systems, analysers, instruments, and flowmeters shown on Process Flow Diagram
- 1 no. WTP building with office, toilet, laboratory, mechanical room and all chemical storage and dosing
- Chemical delivery bund and spill tank (if required) and valves/pipework to stormwater/spill tank
- Retaining wall around WTP building
- New Treated Water Storage tank including pad and earthworks
- Road base access road on site and supporting earthworks
- Security fencing and relocation of access gate for WTP
- Connection of supernatant return to raw water pipe
- All earthworks and pavement works required to allow full plant operation, including footpath around new WTP building, delivery bund and new TWS tank

The Plant will meet the following log removal (LRV) performance targets:

Process	LRV (Protozoa)	LRV (Virus)	LRV (bacteria)
Coagulation/flocculation/DAF	0.5	1	1
microfiltration	4	0	4
Chlorine - Ct 15mg.min/L	0	4	4
UV - 100mj/cm ²	4	2	4
TOTAL	8.5	7	13

Reviews/ appeals

Section 9 of the Regulatory and Assurance Framework for Local Water Utilities outlines the review process for decisions made by the delegated departmental decision maker. Should your council wish to review part or whole of this decision then make contact with the contact officer below.

The department will monitor the conditions attached to your approval.

Your contact officer for this approval is Ian Burrows who can be contacted via email at ian.burrows@dpie.nsw.gov.au.

Sincerely



Jane Shepherd

Director Local Water Utilities

Department of Planning and Environment - Water