

Singleton Council
Cnr Queen Street and Civic Ave
Singleton NSW 2330

Approval number: 15283

Notice of determination

Section 60 approval for upgrade of the Singleton Sewage Treatment Plant

I am writing to inform you that on 28 August 2023, I, the Director Local Water Utilities, as delegate of the Minister for Lands and Water, in accordance with section 60 (c) of the Local Government Act 1993 have granted approval for the upgrade of the Singleton Sewage Treatment Plant, Army Camp Road, Whittingham.

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 28 August 2023.

Scope of approval

The approved treatment works include, as detailed in Singleton STP Sludge Handling Upgrade Concept Design Report Revision E (15/12/21) and in drawing sets:

- TX15864.01_C1.01-PID04_20230331 (002) (Civil Engineering Plans).pdf.
- TX15864.01-S1.01-P1.02 [0] (Structural Drawings).pdf.

The work includes upgrades of the existing sewage treatment plant to provide chemical dosing for improved phosphorous removal and sludge management, however no increase in treatment capacity is required or is being provided.

The detailed scope of work includes the following components:

- Refurbishment and relining of two (2) disused sludge lagoons north of the bioreactors
- Construction of a third equally sized sludge lagoon (potential of a fourth lagoon if required)
- Pontoon style sludge pump and mixer to extract lagoon stabilised sludge
- Series of six (6) sludge drying beds, complete with under drain system
- Return pump station complete with duty / standby pumps, directing supernatant and subnatant to the inlet works for treatment
- Alum storage and dosing system, including double contained dosing pipework
- Sodium hydroxide storage and dosing system, including double contained dosing pipework (mechanical components may be deferred)
- Common chemical delivery hardstand and associated tanker delivery turning circle
- Site access roads around the sludge lagoons and drying beds
- Associated pipework and valving
- Associated electrical and control works including new outdoor switchboard for the return pump station and dewatering pontoon.

The Plant upgrades have been designed to meet a median total phosphorous (TP) discharge concentration of 1 mg/L and a maximum TP of 5 mg/L. The intended performance figures are known to the NSW EPA who is responsible for licencing the environmental discharges from the plant.

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, Senior Regulatory Assessments Project Officer, who can be contacted via email at ian.burrows@dpie.nsw.gov.au.

Sincerely



Sascha Moege

A/Director Local Water Utilities
Department of Planning and Environment - Water