

Central Coast Council
PO Box 20
Wyong NSW 2259

Notice of determination

Section 292 approval for the upgrade of Mardi Water Treatment Plant

I am writing to inform you that on the 15th of March 2023, the Director Water Utilities, as delegate of the Minister for Lands and Water, in accordance with section 292(1)(a) of the Water Management Act, has granted approval for the proposed upgrade of Mardi Water Treatment Plant including the installation of dissolved air flotation, PAC dosing and other associated works that form part of the Mardi WTP Upgrade project.

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, or that it allows for sewage to be discharged, treated or supplied in a way that is broadly consistent with the way that was 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 15th of March 2023.

Scope of approval

The approved treatment works include:

- Conversion of the existing flocculation tanks to powdered activated carbon (PAC) contact tanks, including replacement of mixers.
- New flocculation and dissolved air flotation (DAF) system to treat up to 2,107 L/s
- Decommissioning and removal of existing PAC storage, batching and dosing facility.
- New PAC storage, batching and dosing facility at the existing Raw Water Pumping Station (RWPS) site.
- Decommissioning and removal of the existing alum storage and dosing system.
- New ferric chloride storage and dosing system.
- New cationic polymer dosing system to provide flocculant aid polymer dosing.
- Baffling of the existing clearwater tank.
- Installation of inlet and outlet penstocks and associated safe access to the PAC contact tanks.
- Installation of a decanting outlet structure in the south-west sludge lagoon.
- Smoothed and compacted internal lagoon surfaces, removal of temporary earthen ramps and disposal of spoil in sludge lagoons.

Reviews/ appeals

The department will monitor the conditions attached to your approval.

Your contact officer for this approval is Nicholas Sutton who can be contacted via email at nicholas.sutton@dpie.nsw.gov.au.

Sincerely,

Jane Shepherd



Director Local Water Utilities
Water Operations