

Chenxi Zeng
Manager Water Management and Treatment
MidCoast Council
Yalawanyi Ganya, 2 Biripi Way
TAREE NSW 2430

Approval number: 14879

Notice of determination

Section 60 approval for Hawks Nest Sewerage Recycled Water Scheme

I am writing to inform you that on Thursday, 14 December 2023, I, the Director Local Water Utilities, as delegate of the Minister for Water, in accordance with Section 60 (c) of the Local Government Act, has granted approval for your application, Hawks Nest Sewerage Recycled Water Scheme, Mungo Brush Rd Hawks Nest NSW 2324.

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, or treatment and discharge, are accounted for.
 - In this condition a 'significant change' includes reference to:
 - (a) a change to the treatment process
 - (b) a change to a critical control point which is outside the validated range for the treatment process
 - (c) identification of a recycled water supply risk that is not reduced to an acceptable level as defined by the Australian Guidelines for Water Recycling
 - (d) a change to the persons, purpose or quantity specified in Table 1
- 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).
- **Monitoring and recording conditions:**
 - The results of any monitoring required to be conducted for compliance with this approval must be recorded and retained as set out in this condition.

- Any amendments to the approved plan must be:
 - (a) in a legible form
 - (b) kept for at least 4 years after the monitoring
 - (c) produced in a legible form to any authorised DPE officer who asks to see them.
 - The following records must be kept in respect of any samples required to be collected for the purposes of this approval:
 - (a) the date(s) on which the sample was taken
 - (b) the time(s) at which the sample was collected
 - (c) the point at which the sample was taken
 - (d) the name of the person who collected the sample.
 - A laboratory accredited for the specified tests by an independent body acceptable to NSW Health, such as the National Association of Testing Authorities (NATA) or equivalent, shall carry out all analyses.
 - For each person specified in Table 1, the approval holder must monitor the volume of recycled water supplied to the person.
- **Reporting conditions:**
 - The approval holder must complete and supply to DPE monitoring results from the verification of the recycled water scheme and in-situ validation monitoring of membranes.
 - The approval holder must complete and supply to DPE an annual return comprising:
 - (a) a statement of compliance
 - (b) a monitoring summary
 - (c) any amendments to the documents submitted for this approval
 - The annual return must be prepared for the period of 12 months from the anniversary date of the approval, and each subsequent period of 12 months.
 - The annual return for the reporting period must be supplied to DPE not later than 60 days after the end of each reporting period.
 - A representative of DPE may from time to time inspect the recycled water treatment works to ensure the proper safety, maintenance, and operation of the works.
 - **General conditions:**
 - This approval will lapse if there is a material change in:
 - (a) the quantity of the supply
 - (b) the scale of the supply
 - (c) a treatment or non-treatment barrier.
 - The Minister may suspend the approval to supply if any requirement to furnish information or documentation is not satisfied.
 - Council is to undertake a review of their risk register for this scheme after 5 years. This is to be based on the risk assessment process and look for improvement in the scheme operation. The review must consider:

- (a) Compliance with approval conditions
- (b) Customer complaints and feedback from users
- (c) Operational issues and feedback

- **Special Conditions:**

- Conduct a review of Hawks Nest Recycled Water Management Plan and Risk Assessment. To be completed by mid-2024 with NSW Health and DPE representatives.
- Ongoing validation of the micro filtration membranes must be included into the RWMP as per the process outlined below. The validation of the membranes shall be initiated by February 2024.

Samples	10 or more inlet and outlet paired samples for a statistically valid number of samples
Frequency	1 set of paired samples per week
Duration	10 + weeks
Total samples	10 paired samples (20 total)
Sampling period	Select worst case period e.g. winter months for biological processes, post cleaning and maximum flux for membrane processes
Location	Upstream and downstream of the required unit process
Virus Surrogates	MS2
Operational monitoring	Operational parameters of each critical control point and their corresponding operational targets

End uses	Reconfirm treatment LRVs with in-situ validation monitoring
High exposure <ul style="list-style-type: none"> - dual reticulation - fire fighting - food crops consumed raw 	Annual
Intermediate exposure <ul style="list-style-type: none"> - unrestricted irrigation - dust suppression 	Every 3 years
Low exposure <ul style="list-style-type: none"> - irrigation with access restrictions - non-food crops 	Every 5 years

- Irrigation of pasture must be consistent with the objectives in the NSW Department of Environment and Conservation Guidelines - Use of Effluent by Irrigation 2004.
- Treated effluent for dust suppression and road compaction during road works and livestock watering is only to be undertaken during periods of restricted water supply.

Scope of approval

- Substitution of Pall UF membranes with Pall Microza MF membranes.
- Modifying the Chlorine contact time by increasing it from 5.4mg/L/min to 15.68 mg/L/min.
- This approval authorises the carrying out of the supply of recycled water to the persons listed in Table 1 from the premises specified below. The source of the recycled water is restricted to being collected from the Hawks Nest Recycled Water Treatment Plant.
- Unless otherwise further restricted by a condition of this approval the scale at which the activity is carried out must not exceed the maximum scale specified in this scope of approval.

- **Table 1: Approved End Uses:**

Persons	Purpose	% of total based on PDD
Mid-Coast Council	Onsite use at RWTP Hawks Nest	Up to 10
Mid-Coast Council	Myall Park Rugby Club	14
	Myall Park Croquet Club	1
	Providence Park	1
Hawks Nest Golf Club	Unrestricted Irrigation	84
Various	Dust Suppression and Road compaction during road works	TBA
Various	Livestock Drinking Water	TBA

- Information supplied to Department of Planning, Industry & Environment.
- Mid-Coast Council must adhere to an approved plan that complies with the Australian Guidelines for Water Recycling except as expressly provided by a condition of this approval.

- In this notice of determination, the reference to the approved plan includes reference to:
 - Hawks Nest Recycled Water Management Plan Version 17.3 (5370538)
 - Accompanying documents submitted in WAMS application 14879.

The approval operates from 14/12/2023.

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 Duncan Harrison, Senior Project Officer (Regulatory Assessments), who can be contacted on email at duncan.harrison@dpie.nsw.gov.au.

Sincerely,



Jane Shepherd

Director Local Water Utilities

Department of Planning and Environment - Water