

Mr Ross Berry  
Head of Essential Water  
Essential Water  
PO Box 5730  
Port Macquarie NSW 2444

Our ref: OUT 22/14092

6 September 2022

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**Attention:** Mr Arron Molloy Operations Manager

**Subject:** Approval of Menindee Water Treatment Plant - s292(1)(a) of the Water Management Act 2000.

Dear Mr Berry,

I refer to Essential Water's application for approval under Section 292(1)(a) of the Water Management Act 2000 for the constructed new Water Treatment Plant at Menindee.

Under delegated authority of the Minister for Lands and Water, I approve the works described in Council's application dated 3 August 2022 and summarised in the table below. Approval is given under section 292(1)(a) of the Local Government Act 1993, subject to the general conditions set out in the table.

**Table – Summary of approved works**

Water treatment plant	Menindee
Location	DP1152414 Lot 1, 2 & 3 Menindee Pump Station Pamamaroo Rd, Menindee NSW 2879
Description	For the treatment of raw water from the Darling River (Weir 32) and Menindee Common Bore
Production capacity (ML/day)	1.98

<p>Associated works</p>	<p>Works approved include the following water treatment processes:</p> <ul style="list-style-type: none"> <li>• Raw water caustic dosing system</li> <li>• Raw water potassium permanganate oxidation tank</li> <li>• Powdered activated carbon (PAC) dosing system</li> <li>• PAC contact tank</li> <li>• Coagulant dosing/mixing system</li> <li>• Coagulant aid polymer dosing system</li> <li>• Flocculation</li> <li>• Lamella plate separator</li> <li>• Filter aid polymer dosing system</li> <li>• Rapid gravity filtration - media is coal and sand</li> <li>• UV disinfection</li> <li>• Post caustic dosing</li> <li>• Post chlorine dosing</li> <li>• Post chlorine trim dosing</li> <li>• Chlorine disinfection</li> <li>• Wastewater handling process consisting of sludge lagoons</li> </ul>
<p>General conditions</p>	<ol style="list-style-type: none"> <li>1. Works complied with the documentation submitted with the application dated 22 August 2022.</li> <li>2. Council complied with other legal, regulatory, industry or technical standards in completing the works, which may include other approvals or processes administered by the Department of Planning and Environment</li> </ol>

The documents submitted by Council with its application for approval are listed at **Attachment A**. Council should bring to the department’s attention any significant changes in the constructed works from the design shown in the documents submitted for approval.

## Department of Planning and Environment

Should Council require any clarification with the general conditions of approval, please contact Bill Ho on 0458 244 847 or Michael Holmes on 0421 981 322.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "Jane Shepherd".

**Jane Shepherd**

**Director Local Water Utilities**

**Department of Planning and Environment – Water**

## Department of Planning and Environment

### Attachment A – Documentation received and reviewed

*Name (Drawing No)*

#### *General*

- Hydraulic profile (1084-090 Rev X)
- Process tanks set-out (1084-092 Rev X)
- Site layout plan (1084-100 Rev X)
- Plant layout -lamella plate clarifier plan and sectional elevation (1084-101 Rev X)

#### *P&I diagrams*

- New plant and equipment filtration/backwash system/UV/FW pumps  
(1084-001 Rev 2)
- UV disinfection system (1084-002 Rev 1)
- Coagulant and potassium permanganate dosing systems (1084-003 Rev1)
- Polymer batching and dosing system (1084-007 Rev 2)
- Laboratory samples and monitoring system (1084-008 Rev 2)