

	Teys Australia Pty Ltd EMS FORM 4 QLD BI TEP QUARTERLY REPORT		
	Version 1.0	TEYS AUSTRALIA PTY LTD CONFIDENTIAL COMMERCIAL	
	Implemented 13/01/2026	Amended 17/07/2026	Written: A Branez Approved Ross Sharrock

1.0 BACKGROUND

Teys Australia Biloela has voluntarily entered a Transitional Environmental Program (TEP) with the Department of Environment, Tourism, Science and Innovation (the Department), reference number **MAN-E-100938604**. *Reporting Condition 1* in the TEP requires that a report is submitted within 21 days of the end of the quarter (this report). The objective of the report is to provide the Department with an update on the progress of actions identified and codified in the TEP to bring total nitrogen levels in water sent to irrigation into compliance with the limit set under the site Environmental Authority (EA).

2.0 REPORTING CONDITIONS

2.1 Condition Reporting 1

This condition sets out the requirements for the report.

A quarterly progress report in the form of a letter must be prepared detailing:

- *Irrigation effluent test results,*
- *The calculated 12 month rolling average,*
- *The actions taken and any milestones achieved, and*
- *The forecasted actions to be undertaken for the following quarter.*

The letter must be submitted to the department within 21 calendar days (3 weeks) of the start of each calendar quarter. This timeframe allows for the receipt of laboratory (expected within two (2) weeks after the end of the quarter) and provides. Teys Australia Biloela Pty Ltd one (1) week to collate the results and prepare the report. The letter must be emailed to Coal and Central Compliance Gladstone via the group recipient email cwes_gladstone@des.qld.gov.au.

2.2 Condition Reporting 2

This condition requires notification of a change to contact details or to the EA regulating site operations.

Teys Australia Biloela Pty Ltd must provide written advice, in the form of a letter, regarding any changes to the responsible person, the responsible person's contact details, or changes to the Environmental Authority (EA) governing operations on-site (e.g., if DETSI PALM reviews the EA conditions) where such changes are likely to impact the actions identified in this Transitional Environmental Program (TEP).

The letter must be submitted within 14 days of any such changes occurring and emailed to Coal and Central Compliance Gladstone via the group recipient email.

There were no changes to the contact details or the EA regulating site operations.

3. IDENTIFICATION OF QUARTER AND YEAR TO WHICH THIS REPORT RELATES

This report relates to calendar Quarter 2 2026 (quarter ending 30 June 2026).

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4. REPORTING INFORMATION

4.1 Irrigation effluent test results

- Routine testing was conducted on the 29/06/2026. The test result for total nitrogen (TN) was 145 mg/L. The wastewater sample was collected shortly after the new aeration system was commissioned (refer to Section 4.3 – Condition TEP 3). As nitrifying bacteria are slow-growing microorganisms, they require time to establish and achieve effective nitrification.

4.2 The calculated 12-month rolling average

The 12-month rolling average for total nitrogen (TN) is 138 mg/L. This is calculated from the average of the last 4 quarterly test results including the most recent result (29/06/2026).

4.3 The actions taken and any milestones achieved

Teys have completed the following in relation to actions:

Condition TEP 1

- The desludging operation has continued with sludge removed and settled in the anaerobic lagoon and supernatant returned to the facultative lagoon. This operation has been operating over a daily 8-hour shift, 5 days per week.
- In addition, between April and May of 2026, Teys engaged a contractor to undertake dredging and dewatering of sludge from the facultative lagoon using geofabric dewatering bags. Effluent drained from the bags was captured and returned to the lagoon. The average sediment depth was reduced from 2130 mm to 630 mm across the lagoon. The contractor work significantly reduced sludge levels in the lagoon increasing the lagoon's hydraulic capacity and supporting improved ongoing wastewater treatment performance.

Condition TEP 2

- The hire polymer mixer and dosing skid to dose material to the Dissolved Air Flotation (DAF) unit remains in operation as of this update. The system is dosing at 3.5 L/hr. of polymer with 400 L/hr. of make-up water, into 1800 L/min (108,000 L/hr.) of DAF feed flow as per initial set up conditions by the supplier. This equates to 32 ppm of polymer addition.
- The DAF discharge clarity remains significantly improved from that observed prior to implementing dosing.

Condition TEP 3

- In April 2026, Teys engaged a contractor to install a floating subsurface diffused aeration system. The system consists of 5 x 3 phase (5.5kW) aeration blowers, connected to floating main lines and diffusers on downcomer lines for the aeration for both facultative and irrigation (final) lagoons.
- The system was installed and operating in mid-June 2026 including all electrical and mechanical installation works and commissioning works. It is expected that the system will deliver more air to the lagoon to assist in oxidation of ammonia to nitrogen than the bank mounted aerators, with the available power at the lagoon.

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4.7 The forecasted actions to be undertaken for the following quarter.

The following activities are planned to be conducted during second quarter 2026.

- Continued 24-hour operation of the floating diffused aeration system in the facultative lagoon.
- Teys may continue desludging operations at the inlet end of the lagoon using Teys equipment depending on requirement.
- Continued operation of dosing skid for removal of solids from the DAF red stream.
- Conduct the six-monthly sludge survey.

5. Photographs



Figure 1: Photograph of desludged facultative lagoon and new aeration system installed and operating. Photo taken on the 24/06/2026.



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Figure 2: Photograph of irrigation lagoon with new aeration system installed and operating. Photo taken on the 24/06/2026.

6. Contact Details

The Environmental Officer for the site is:

Miss Ana Branez

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abranez@teysaust.com.au

END