

NT Water in the Bush

Water Security Through Resilience

Optional Site Tour

Leanyer/Sanderson Wastewater Treatment Facility

An optional site tour is available to be added to a Water in the Bush registration. The Technical Visit to the Leanyer/Sanderson Wastewater Treatment Facility in Darwin's Northern suburbs will explore the operation of the waste stabilisation ponds which treats wastewater for an equivalent population of 50,000.

About the Facility:

A CRC Project 'Transforming Wastewater Treatment in Regional Australia with Robust Technology for Multiple Benefits' is underway using a pilot facility at the Leanyer Sanderson Waste Stabilisation Ponds. The project seeks to develop a simple, low-cost, small footprint technology to transform wastewater treatment practices into self-contained environmentally sustainable plant through the recovery of nutrients and biomass which are usually lost in the current pond based treatment system.

The research project is a three year \$5.1M (\$1.4M Cth) project with at least one year of data collection and the option to further assess the technology post project completion.

This research project also aims to simultaneously develop a robust control and monitoring system that incorporates machine learning and AI aspects that will modernise and optimise waste stabilization treatment plants used through the Territory.

The pilot was commissioned in June 2021.

Tour Details:

Date: Friday 15 October 2021

Time: 8.45am – 11.30am

Capacity: 25 people

Cost: Free when added to a Water in the Bush Conference registration

PPE: Please wear long pants, a long-sleeved shirt and closed-toed shoes (preferably safety boots). Please also wear weather-appropriate clothing (rain jackets, sunglasses and hat). Sunscreen, insect repellent and crocodile repellent are also recommended.

How to register for the Tour:

1. If you have an existing Water in the Bush Conference registration, please email Elyse Gradwell to request this be added to your registration. This can be added once a registration has been activated.
2. If you have not yet registered for the Water in the Bush Conference, the site tour can be added at the time of registration by adding it to your order.

This Tour is proudly sponsored by:

The CRC-P partners of 'Transforming Wastewater Treatment in regional Australia with Robust Technology for Multiple Benefits' including:

Power and Water Corporation;

Urban Utilities;

University of Queensland;

Lockyer Valley Regional Council;

University of Western Australia;

Aquatec Maxcom; and

Queensland Department of Environment and Science