



INSTALL TIME

7 MONTHS

HIGHLIGHTS

Project History :

Greenfield (2024), Expansion (2026)

Wastewater Type(s) :

Municipal

Application(s) :

Residential

Discharge Type(s) :

Surface Water Discharge

DESCRIPTION

A Central Texas developer needed a flexible wastewater treatment solution to match the growth of a new residential subdivision. To optimize capital expenditure, the project required a phased delivery that could easily scale from initial home construction to full build-out.

Integrated Water Services (IWS) delivered a scalable, turnkey membrane bioreactor (MBR) solution using three modular BLU|BOX-75 units. In Phase 1, IWS installed the first BLU|BOX-75 unit, providing an initial design capacity of 60,000 GPD to serve early residents. In Phases 2 and 3 (the Expansion), approximately two years later, IWS delivered and integrated two additional BLU|BOX-75 units during a seven-month project, bringing total plant capacity to the permitted 200,000 GPD.

All three BLU|BOX-75 units were built at the MBR Tech Hub in Brenham, TX. System start-up and long-term maintenance are supported directly by regional technicians from our local MBR Tech Hub facilities.

About the M|MBR team

As an experienced - and engagingly impartial and self-effacing - practitioner in the field of MBR technology, Dennis seems to know heaps more about the subject than most of the senior academics I've met over the course of the past 25 years.

Simon Judd

2024 PROJECT OVERVIEW

Project Category : Modular System, BLU|BOX MBR

Project Type : Greenfield

Scope : Turnkey

Installed Membrane : BIO-CEL L+

(Polymeric, Flat Sheet)

The Universal MBR Hub

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Results are site-specific and not a guarantee of performance; contract documents govern. Install time refers to the membrane changeout. Project history may include work by M|MBR team members before M|MBR Systems LLC was formed. Testimonials reflect individual views at the time given. Third-party product names are trademarks of their owners, used for identification only; no affiliation or endorsement is implied.