



INSTALL TIME

48 HRS

HIGHLIGHTS

Project History :

Greenfield (2011), Parts Supply (2026)

Wastewater Type(s) :

Municipal

Application(s) :

Residential

Discharge Type(s) :

Reuse

DESCRIPTION

This MBR wastewater treatment plant serves an upscale neighborhood west of Austin. M|MBR staff helped deliver the original 2011 facility, expanding capacity from 150,000 to 500,000 GPD while meeting some of the most stringent nutrient limits in Texas at the time. As the original membrane equipment approached end of service life, M|MBR provided a Toray-based, backward-compatible upgrade using flexible flat-sheet membranes.

The replacement units increased membrane filtration area by 45%, required no changes to ancillary equipment, and significantly improved plant performance. Working closely with on-site operators, M|MBR supported design, procurement, logistics, programming, installation, and commissioning. The retrofit was completed in phases over about 10 days, including roughly 48 hours of membrane replacement work. The workflow was developed to minimize service disruptions.

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

2026 PROJECT OVERVIEW

Project Category : Aftermarket

Project Type : Membrane Products (Part-for-Part)

Scope : Turnkey

Previous Membrane : Kubota RW-400 SMU (Flat Plate, Polymeric)

Installed Membrane : Toray NHP (Flat Sheet, Polymeric)

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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.