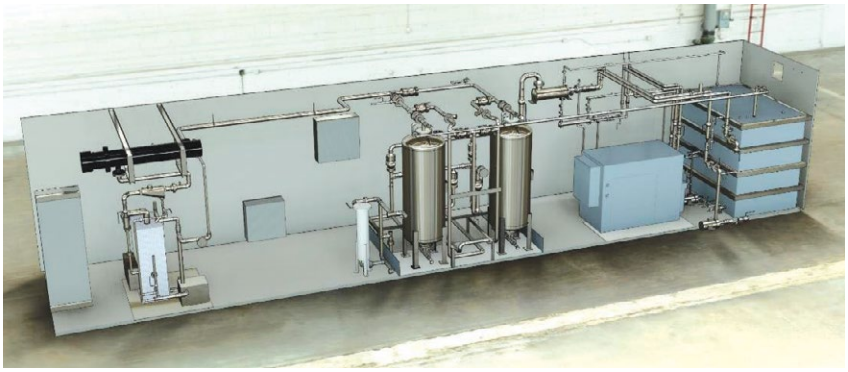
M-25 Mobile Treatment System

Rated for 1,4-dioxane Treatment

MODULAR, PORTABLE SYSTEM CAPABLE OF RAPID DEPLOYMENT



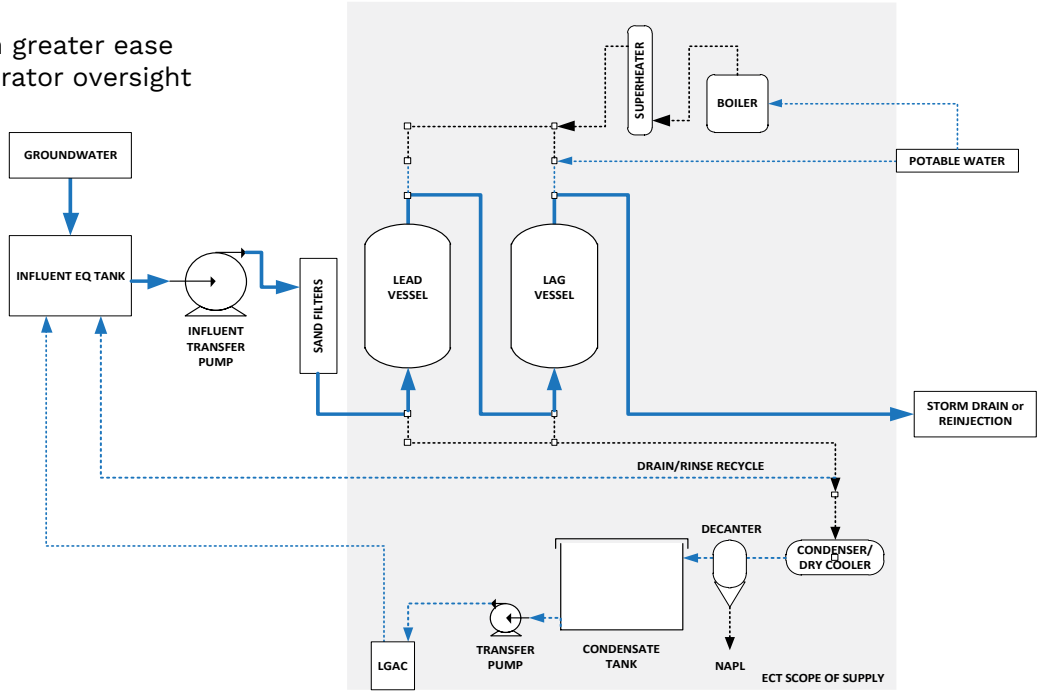
The M-25 mobile treatment system is rated for 1,4-dioxane treatment from 5 to 25 GPM. This modular, portable system is capable of rapid deployment and application. The unit fits inside a standard 40’ shipping container and can be on site and ready for operation in as little as a few weeks.

It is intended for sites needing immediate treatment for short- or long-duration assignments. With in-place regeneration, the media can be cycled thousands of times without losing its adsorption capacity or the ability to reliably achieve low-level effluent residuals.

M-25 Mobile Treatment System

PRIMARY ADVANTAGES OF SYNTHETIC MEDIA TREATMENT SYSTEMS OVER ADVANCED OXIDATION PROCESS (AOP):

- Reliable effluent quality at near limit of technology (non-detect) concentrations. As designed, the system can produce effluent 1,4-dioxane levels to less than 1 part per billion (ppb), significantly reducing the potential for "stranded assets" in the future
- Not adversely affected by "changes" in influent concentration and pH or the deleterious effects of free radical scavenging and inorganic scale fouling that cause advanced oxidation processes (AOP) to struggle to achieve stable, consistent treatment results
- System simplicity, resulting in greater ease of operation and reduced operator oversight
- Increased compliance performance at a lower lifecycle cost
- Increased safety since there is no on-site requirement for hazardous chemicals, including hydrogen peroxide and oxygen
- No UV lamps or membranes to clean or replace
- No effluent polishing with LGAC required
- Effective treatment through-out the entire pH range
- Greatly reduced potential for fouling (chemical or biological)
- No bromate formation
- Media is regenerated in place with steam, without loss in capacity
- Media is regenerated using simple regengerative methods in place with low-pressure steam



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Montrose Environmental Group

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