

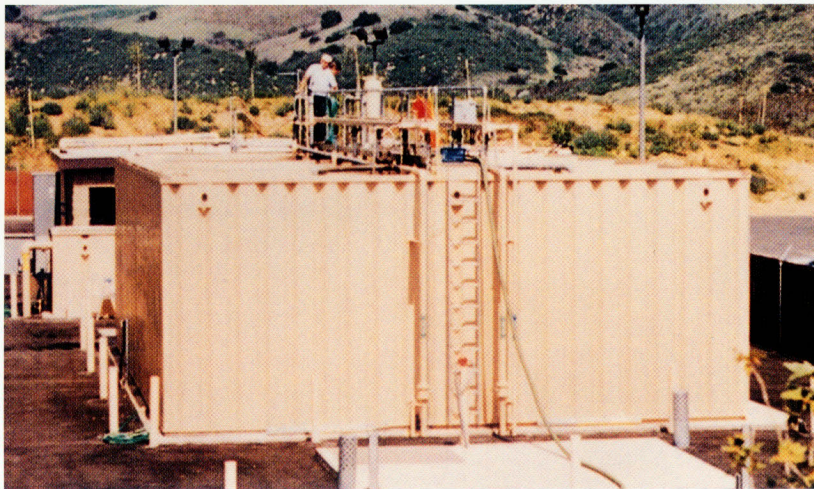
FACTSHEET

Smith & Loveless, Inc.
Manufacturers of quality wastewater systems

2-1246

The Field-Erected **ADDIGEST**[®] Treatment Plant

Like its smaller Factory-Built sibling, the Field-Erected **ADDIGEST** is an aerobic wastewater treatment system designed for both municipal and industrial applications. The trade name **ADDIGEST** is derived from "add-on digestion" and attests to the versatility of this system. It offers treatment ranging from basic BOD removal to advanced treatment.



*The **ADDIGEST** offers almost infinite flexibility to meet varying treatment volumes and design parameters.*

Flexible Capacities

- ◆ Customize the system for any level of treatment – ranging from basic BOD removal to tertiary treatment.
- ◆ Provide treatment for extended aeration loadings from 50,000 to 200,000 gpd (189 to 757 m³/d). For smaller capacities, see Factsheet 1-1246 on the Factory-Built **ADDIGEST**.
- ◆ Add either multiple hopper clarifiers or circular clarifiers easily.
- ◆ Choose either above or below grade installation.
- ◆ Select electrical controls, air blowers, walkways, grating, access ladders and other accessories from a wide array of available components.

The Benefits

- ◆ Design offers virtually unlimited capacity and wastewater treatment capabilities.
- ◆ V-crimped structural walls create greater volume per unit-dimension than a circular cross section.
- ◆ Design makes the Field-Erected **ADDIGEST** easy to erect and operate with little routine maintenance. There are virtually no moving parts.
- ◆ Straight wall construction and concrete embedded I-beams simplify field-erection.
- ◆ **VERSAPOX**[®] coating on all surfaces ensures the best resistance against corrosion and abrasion.
- ◆ V-crimp structural wall plates ship nested, significantly reducing transportation cost.



Smith & Loveless, Inc.

FACTSHEET

Applications

The Field-Erected **ADDIGEST** is typically utilized for secondary treatment of residential or commercial/industrial wastewater. The system features capacities of 50,000 to 200,000 gpd (189 to 757 m³/d) and BOD removal of 85 to 340 #/b. These larger capacities are facilitated by longer plant lengths. In comparison to Smith & Loveless' factory-built models, the Field-Erected **ADDIGEST** offers greatly increased volume per unit of length. Additional equipment can also be added, which also expands the **ADDIGEST**'s capabilities to treat a wide variety of substances.

Field-Erection Capabilities

Smith & Loveless is no stranger to building on site. With more than 500 field-erection installations to its credit, Smith & Loveless knows how to get the job done right, at the right price. Smith & Loveless' field subcontractors are proven, skilled technicians, familiar with the intricacies of Smith & Loveless equipment. This level of expertise translates into minimal service problems and negligible downtime. Additionally, field-erection saves money in the form of shipping expenses.



Smith & Loveless' field subcontractors erect this Field-Erected **ADDIGEST** quickly. Its bolt and weld together design keeps erection and installation time at a minimum.



The Field-Erected **ADDIGEST** model configurations include both circular clarifiers (seen above) or hopper clarifiers.

Add-On-Digestion

Flexibility is the key to the Field-Erected **ADDIGEST**. The basic unit is equipped with an aeration tank and a clarifier. To this basic unit, several components can be added to meet effluent requirements including:

- ◆ Flow Equalization
- ◆ Nutrient Removal (Nitrogen and Phosphorus)
- ◆ Sludge Storage
- ◆ Filtration
- ◆ Disinfection (Chlorination or UV)
- ◆ Post Aeration
- ◆ Dechlorination
- ◆ Denitrification
- ◆ Clarification
- ◆ Disinfection



Smith & Loveless, Inc.
14040 Santa Fe Trail Drive
Lenexa, KS 66215-1284
United States of America
Phone: 913-888-5201
Fax: 913-888-2173
Parts: 800-922-9048

<http://www.smithandloveless.com>
E-Mail: answers@smithandloveless.com