DYNATEC SYSTEMS INC.

THE WASTEWATER MEMBRANE SPECIALIST

360 Connecticut Drive • Burlington, NJ 08016 • USA • (609) 387-0330 • www.dynatecsystems.com

The Dynatec Difference

Significant Savings

- Small footprint
- Complete prepackaged system
- Remote monitoring possible
- Easy maintenance
- Automatic operation
- Low sludge production
- Long membrane life

Technology Benefits

- Membrane separation system uses long-lasting tubular ultrafiltration (UF) membranes
- Simple mechanical process
- Consistent high quality water
- Ability to reuse purified water
- Low operating costs
- Unattended operation
- Minimal sludge disposal costs
- Safe odor free environment
- Semi automatic cleaning

Services Provided

- System Design
- Equipment and Installation
- Operator Training
- Maintenance Contract
- Treatability and Pilot testing
- Design-Build-Own-Operate-Maintain

Containerized Membrane Systems

Dynatec provides completely packaged membrane systems installed in a shipping container:

- Easy low-cost installation
- No building required
- Easily moved to other locations
- Quick and easy mobilization
- Microfiltration, Ultrafiltration, Nanofiltration, Reverse Osmosis



Dynatec has extensive experience in the supply of membrane systems, for sanitary and industrial applications.

UF treatment from 10,000—200,000 gpd and RO treatment from 10,000—200,000 gpd in one container:

- Needs minimal operator attention
- Uses long-lasting tubular membrane
- Produces high quality purified water

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Ultrafiltration is a pressure-driven process that can remove essentially all suspended matter from water and wastewater:

- Emulsified oils
- Metal
 - Colloids
- Emulsions
- Dispersed material
- Suspended solids
- Large molecular-weight matter

Ultrafiltration is capable of concentrating:

- Bacteria
- Some proteins
- Some dyes
- Oils
 - Colloidal or emulsified components
 - Suspended solids
 - Metals

Two modular containers side by side

Ultrafiltration excels at the clarification of solutions containing:

- Suspended solids
- Bacteria—MBR
- High concentrations of macromolecules including:
 - Oil and water
 - Fruit juice
 - Milk
 - Electro-coat paints
 - Pharmaceuticals
 - Poly-vinyl alcohol and indigo

RO systems typical applications include:

- Preparation of high-purity water for the semi-conductor industry
- Reduction of dissolved solids and organics in wastewater reuse applications
- Concentration of fruit juices
- Recovery of aircraft deicing fluids
- Adjustment of alcohol content in wine and beer (e.g. production of low alcohol beers)
- Reduction of dissolved solids and color in landfill leachate treatment for ground our surface water discharge

