



PROCESS EQUIPMENT



DryCake: Screening, Grit removal, Dewatering, Centrifuges, Thickeners, Drying, Composting & Solids handling systems



Claro: Digester Gas Mixers, Heat Mixers, Exchangers, Solids Out loading Systems, Conveyors, Live Bottom Hopper & Silos



Epic International: Screw pumps & pump covers. High Speed floating aerators & mixers.



Gummi Jaeger Aeratio: Tubular and Disc Fine Bubble Diffusers Aeration Systems, JettFlexO Strip Diffuser



Loprest: Water treatment for Fe/Mn Arsenic, Perchlorate, and Uranium Hex Chrome Ion Exchange



Nova Water Technologies: Title 22 Tertiary Disk Filters, Vanguard Screen



Phoenix Process Equipment Co.: Belt Filter Press



Pure Air Filtration: Odor Control Systems, Engineered Carbon Media Emergency Chlorine Scrubbers



SPS Engineering Circular Clarifiers, Process Clarifiers, Thickeners, Flocculators, Rotary Distributors, Scum Concentrators, Grit Collectors, Digester Covers (fixed & floating)



Varec Biogas: Gas Safety Equipment, Burners and Flares



AWI: Stainless steel filter underdrains



GNA CSO: Storm Water Equipment

MECHANICAL EQUIPMENT



ACME Engineering Products: Automatic Backwash



National Pump Company: Vertical Turbine Deep Well & Close Coupled Pumps and Submersible Turbine



F.L. Smidth: Sliding Vane Compressors, Kinyon Pumps, Air Slides



Slickbar Products Corp.: Floating Lagoon Baffles



Global Metal Solutions: Stainless Steel Bolted Tanks



TruFlo: ANSI Centrifugal Pumps, Metallic & Non-Metallic Mag Drive Pumps



Lamson/Hoffman: Gardner Denver Multistage Centrifugal Blowers



Tuthill Vacuum & Blower Systems: Positive Displacement Blowers & Vacuum Pumps



Liberty Process Equipment: Progressive Cavity Pumps, Progressive Cavity Pump Replacement Parts



UGSI Chemical Feed Inc.: Dry and Liquid Chemical Feed Meting Pumps and Complete Systems, Poly-Blend Series automated polymer feed systems



Mixtec: Mixers, Agitators, Inline Static Mixers, and



Verantis Environmental: Odor control and air or corrosive gas handling



Mycom Compressors: One & Two Stage Rotary Gas Screw Compressors



Gorman Rupp Pumps: Self Priming Pumps, Submersible Pumps, and Pump Stations



MEECO (McKenna Engineered Systems) Gas Recirculation Systems for Aeration, Blowers, Vacuum Pumps & Compressor Systems for Aeration Gas Injection



Howden Industrial: Engineered Axial & Centrifugal Industrial Fans, FRP Cooling Fans Centrifugal

SERVICE & REPAIR



Equipment Repair Center: Repair, Rebuild & Modification of Rotating Equipment, Vacuum Pumps, Vertical & Horizontal Centrifugal Pumps, Blowers, Gear Boxes, etc.

Field Service: Available 24 Hours a Day 7 Days a week
Factory Trained Field Technicians & Fully Equipped Service Vehicles

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Packaged System Applications

SFPUC Project—Digester Gas Mixer

San Francisco Public Utilities Commission (SFPUC) provides wastewater services to the greater San Francisco area maintaining over 993 miles of city-wide combined sewers. Due to an increase in tank levels, the existing Digester Gas Mixer in operation was unable to handle the requirements of their application.

EWS provided SFPUC with Isometric drawings created in SolidWorks, a complete design submittal, and a fabricated and assembled product from our ISO 9001 certified facility in Carson, CA.



Dean Foods Project—Aeration Blower System

Dean Foods contracted EWS to manufacture a replacement system for their aeration tank process. The Aeration system is designed to provide adequate flow rates at maximum expected tank fill levels. EWS engineers were able to create this system with a single blower where previously multiple blowers were required. Dean Foods was provided a complete design submittal package, including a 3-D Solid Works model and P&ID.

Design

Materials of Construction: Carbon Steel

Temperature: 100 deg F

Noise Limitation: Abatement Req

Flow: 1955 SCFM

Disch Press: 14.22 PSIG



Our Capabilities: ISO 9001 Certified, & Class A Engineering Contractor

DESIGN & INTERGRATION

Integrate New & Existing Equipment
Equipment Selection & Specification
Equipment & Piping Layout Design
Functional & Performance Testing

Instrumentation & Controls
Sound Attenuation

ENGINEERING

Solid Works 3D Modeling
P&ID Drawings
Project Management
Process Evaluation & Recommendations
Feasibility Studies
Equipment Application

System Startups
Controls/System Integration

FABRICATIONS

Pressure Piping-ASME B31.X
Pressure Vessels – ASME Coded
Structural Welding-AWS D1.1
TIG, MIG, & Flux-Cored

Hydrostatic Testing to 3000 PSIG
Mag Particle, Dye Pen & Radiography