



STATEMENT OF QUALIFICATIONS

Process Ventilation & HVAC



Adams & Christensen Engineering, Inc.
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SUMMARY

Adams & Christensen Engineering, Inc. (**ACEng**) is an engineering firm specializing in design of process system cooling ventilation system design, hazardous area ventilation, and industrial building and enclosure HVAC design. Our principals bring over 60 years of related engineering for the following industries:

- Food & Beverage
- Renewable Energy – Landfill Gas
- Renewable Energy – Food Waste
- Renewable Energy – Dairy
- Centralized Waste Treatment (CWT) Facilities
- Steel Producing
- Power Generation
- Rail
- Automobile Manufacturing
- Landfill
- Dairy
- Construction Firms
- Engineering Firms
- Equipment Packagers

Our Principals have Professional Engineering Licenses in 30 states, Certificates of Authorization in 21 states, and are an ISNet World registered and compliant contractor.

SELECT PROJECT EXPERIENCE

MEP Design – Electrical Building

Shamrock Environmental Corporation (Republic Services) – Mulberry, Florida

Designed cooling and ventilation systems for an electrical and control room for a waste treatment facility.

MEP Design – Employee Break Room Building

Shamrock Environmental Corporation (Republic Services) – Mulberry, Florida

Designed HVAC and plumbing systems for a building containing an employee break room, multiple restrooms, multiple shower rooms, multiple locker room, and an electrical room.

MEP Design – Lab Building

Shamrock Environmental Corporation (Republic Services) – Mulberry, Florida

Designed HVAC and plumbing systems for a building containing a laboratory with fume hood, employee breakroom, restroom, and storage room.

Landfill Gas to Energy Facility

SCS Energy – Multiple Sites

Project Manager for Process HVAC design for a Landfill Gas to Energy Facility (RNG) at the following facilities:

- Skyline Landfill, Ferris, Texas
- Southside Landfill, Indianapolis, Indiana
- Outer Loop RDF, Louisville, Kentucky
- Wood Street Landfill, Lansing, Michigan
- Noble Road Landfill, Shiloh, Ohio
- Pine Bend, Inver Grove Heights, Minnesota
- Prairie View Landfill, Wilmington, Illinois
- New River, Raiford, Florida
- Eco-Vista Landfill, Springdale, Arkansas
- Carbon Limestone Sanitary Landfill, Lowellville, Ohio
- Lorain County Landfill, Oberlin, Ohio
- Prince William Landfill, Manassas, Virginia
- Arbor Hills Landfill, Northville, Michigan
- Fairless Landfill, Morrisville, Pennsylvania
- DFW Landfill, Lewisville, Texas
- Orchard Hills Landfill, Davis Junction, Illinois
- Sampson County Landfill (Sapphire RNG), Roseboro, North Carolina
- Ridge Landfill, Blenheim, Ontario, Canada
- Okeechobee Landfill, Okeechobee, Florida
- Security Landfill, Cleveland, Texas
- Temple Landfill, Temple, Texas
- Williamson County Landfill, Hutto, Texas
- Dekalb County Landfill, Dekalb, Illinois
- Medley Landfill, Medley, Florida
- Covell Gardens Landfill, San Antonio, Texas
- Polk County, Winter Haven, Florida
- Richland Landfill, Elgin, South Carolina
- Oakridge Landfill, Dorchester, South Carolina

- Columbia Ridge Landfill, Arlington, Oregon
- High Acres Landfill, Fairport, New York
- Ocean County Landfill, Manchester, New Jersey
- Salem Waste Disposal Center, Opelika, Alabama
- Atlantic County Utilities Authority Landfill, Egg Harbor Township, New Jersey
- Pheasant Point Landfill, Bennington, Nebraska
- Brevard Landfill, Cocoa, Florida
- Pecan Grove Landfill, Pass Christian, Mississippi
- Pine Bluff Landfill, Ball Ground, Georgia
- Elk River Landfill, Elk River, Minnesota
- Dry Creek Landfill, Eagle Point, Oregon
- Cottonwood Landfill, Marissa, Illinois
- American Avenue Landfill, Kerman, California
- Denver Arapahoe Disposal (DADS), Aurora, Colorado

**WWPTS Building HVAC, Confidential Site
Complete Water Services, LLC – Taylorsville, Indiana**

Designed ventilation and heating systems for multiple process-related rooms as well and mechanical cooling systems for an office space and electrical room.

**WWPTS Building HVAC, Dyma Brands
Complete Water Services, LLC – Bremen, Georgia**

Designed ventilation and heating systems for a wastewater pretreatment building.

**WWPTS Building HVAC, UTLX
Complete Water Services, LLC – Cleveland, Texas**

Designed ventilation and heating systems for a chemical storage and feed room as well and mechanical cooling systems for an office space and electrical room.

**Renewable Natural Gas Project
Waste Management Renewable Energy – Skyline Landfill, Ferris, Texas**

Designed process room ventilation system for a landfill gas to renewable natural gas (RNG) facility.

**Wastewater Lagoon Building Design
General Mills – Belvidere, Illinois**

Designed a building to enclose an existing wastewater lagoon. The existing building was close to failure. The wastewater entered the building at 85-90°F which resulted in significant evaporation and re-condensation of corrosive wastewater on the building structure and infrastructure. The building design included HVAC design to minimize evaporation and building structure and surface protection to minimize condensation-related damage.

**Anaerobic Digester Project
Green Era Sustainability – Chicago, Illinois**

Project Manager for design of an anaerobic digester facility to receive and process organic food wastes to Class A biosolids and RNG. The system consisted of liquid unloading stations, product de-packaging equipment, anaerobic digester, biosolids dewatering and disinfection system, biogas boilers for process and building heat, biogas conditioning skid for RNG, flares, associated mechanical systems. Work completed by ACEng included HVAC design as well as managing the structural, plumbing, fire protection, and electrical design.

pH Adjustment System Design

Coca-Cola Refreshments – Houston, Texas

Completed process, mechanical, civil, structural, plumbing, and HVAC design for a wastewater pH adjustment system and associate building at a bottling facility.