



Operations and Maintenance Services

Cornerstone offers a wide range of operations and maintenance services for gas and leachate collection and control systems at active and closed landfills

Efficient, Safe, and Compliant Operations

Cornerstone Environmental Group's highly skilled field services technicians can maximize your solid waste facility's efficiency and manage all routine and emergency landfill gas (LFG) and leachate needs. Our staff have worked together for several years and have provided field services at active and closed landfills and landfill gas-to-energy (LFGTE) facilities throughout the United States.

From overseeing construction of LFG systems, to monitoring landfill surface gas emissions, to operating landfill gas control systems, our clients rely on us to ensure efficient, safe and productive operations and to maintain compliance with regulatory requirements. Cornerstone is also particularly skilled at training our clients' own personnel to conduct routine monitoring and operations of LFG collection and control systems.



What Sets Cornerstone Apart?

- Dedication to the solid waste industry – Our primary business is providing solid waste consulting services, so we are experts on landfills and LFGTE facilities.
- Client focus – Experienced technicians meet with clients frequently to explain issues encountered in the field and correct them before they result in problems.
- Full range of services – Cornerstone can provide engineering design services, operate equipment, and perform small construction projects, eliminating the need for an outside contractor for many issues.
- Training expertise – We provide training sessions for clients who choose to use their own staff to operate monitoring equipment or balance LFG collection systems.
- Post-closure experience – Complete operations, maintenance, and management can be provided at closed sites, including security, monitoring, and system operations.
- Landfill gas-to-energy system expertise – Our technicians can properly balance the LFG wellfield to maximize gas production for use in cogeneration facilities.



Operations and Maintenance Services Provided

LFG Collection and Control System O&M

- Flare systems operations
- Wellfield balancing
- Maximizing gas extraction
- LFGTE facility operations and maintenance
- Leachate sampling
- Landfill gas sampling
- Landfill surface emissions monitoring
- Data collection and compliance reporting
- Migration probe/barhole monitoring
- Landfill gas testing programs
- Preparation of O&M manuals
- Emergency response

Post-Closure O&M

- Final cover and vegetation maintenance
- Groundwater, sediment, and surface water monitoring
- Groundwater well maintenance
- Landfill gas monitoring
- Landfill gas system maintenance
- Condensate hauling/treatment
- Drainage system cleaning, repair, and maintenance
- Facility access control
- Inspections and reporting

Leachate Collection System Maintenance

- Leachate sampling and system management
- Condensate hauling/management
- Pumping system O&M

Training of Site Personnel

- LFG collection and control system operations
- System start-up training
- Data collection and reporting

Construction Management

- Construction quality assurance (CQA)
- Data collection and reporting
- Small construction project capability
- Preparation of bid documents
- Contractor and equipment procurement
- Contractor supervision

Recent Cornerstone Experience

Cornerstone prides itself on establishing close and productive relationships with its clients. A few recent examples of our field services assignments include:

PurEnergy – Middlesex Generating Company, LLC (NJ) – Landfill gas collection and control system operations and monitoring services at the Middlesex County Utility Authority and Edison landfills to ensure optimum system performance for use in PurEnergy's LFGTE facility.

Westchester County Department of Environmental Facilities – Sprout Brook Ash Residue Disposal Facility (NY) – Five-year contract to provide leachate reporting, storm water compliance, annual reporting, and assistance with other compliance issues.

City of Riverview, Riverview Land Preserve (MI) – Multiyear contract for a variety of services, including environmental monitoring (groundwater, leachate, surface water, landfill gas, and air); construction management; and construction quality assurance services.

Waste Management Inc. (Altamont, Anderson, Guadalupe, Kirby, Redwood, and Tri Cities landfills) (CA) – O&M services on the LFG systems at these six sites in northern California. Services provided included operations and/or maintenance in support of a 6-Megawatt LFGTE power plant, LFG recovery/ migration collection systems, LFG condensate collection systems, leachate collection and recovery systems, and a large LFG wellfield.



For more information:

Michael Schumaci (East) - (877) 294-9070
Steve Wintheiser (Central) - (877) 633-5520
Paul Stout (West) - (877) 633-5520

www.cornerstoneeg.com