

## WILLIAM R. DILLON

### Education

AS – Construction and Surveying Engineering Technology, The University of Akron, 2000

### Specialty Certifications

40-Hour HAZWOPER, OSHA 29 CFR 1910.120

DOT Hazardous Shipping

Electrical Control Systems Training

EPG Pump Training

LFG Specialties Flare Training

UST Class A Operators Training

Zink Flare School

### Professional Affiliations

Solid Waste Association of North America

### Professional Experience

Mr. Dillon is experienced in the landfill gas (LFG) industry. He manages projects from inception to closure, focusing on client needs and project performance. Mr. Dillon is responsible for developing streamlined approaches to operations, maintenance, and sampling to maximize cost efficiency and allow competitive pricing strategies for these activities. He is skilled in LFG tuning, troubleshooting, and compliance monitoring on closed and active Title V NSPS subpart WWW, OOO, and XXX sites. Mr. Dillon joined SCS Engineers in February 2022. His prior experience includes the following:

**Central Area O&M Manager, Tetra Tech, Richfield, OH (2019-2022)** Mr. Dillon assumed the role of Central Area O&M manager following a departure of the previous O&M director and management staff. Bill also performed high level technical tasks and serves as a technical advisor and trainer for TT technicians.

- Managed all aspects of LFG O&M Field Services from securing new work through project completion.
- Marketed and secured LFG O&M contracts with national and local waste companies.
- Developed and enforced LFG O&M work protocols and established training program for new technicians.
- Maintained excellent client relationships.
- Worked with Engineering other disciplines and offices within the company to diversify services and skills.
- Held safety in the highest regards; maintained a safe work environment for all with no OSHA reportable incidents within group.

**Field Services Manager, Civil & Environmental Consultants, INC., Solon, OH (2012-2015)** Bill was responsible for developing a Landfill Gas (LFG) Operations and Maintenance (O&M) Field Services division in the MI, OH, PA and KY region. With assistance from an established Chicago area O&M Field Services group, built an area O&M Field Services group based in CEC's Cleveland, OH office.

Also served as a senior technician, technical advisor, and trainer for CEC's Field Services technicians throughout the company, specializing in landfill gas collection and control systems.

- Marketed and secured LFG O&M contracts with national and local waste companies.
- Hired and managed staff, vehicles, and equipment.
- Developed and enforced LFG O&M work protocols.
- Managed all aspects of LFG O&M Field Services from securing new work through project completion.
- Maintained excellent client relationships.
- Worked with other disciplines and offices within the company to diversify services and skills.
- Held safety in the highest regards; maintained a safe work environment for all with no OSHA reportable incidents within group.

**Client Program Manager, Shaw Environmental and Infrastructure, INC., Brecksville, OH (2006-2012)** Bill was responsible for the management of the LFG Field Services East division of the Solid Waste group, servicing more than 35 landfill projects located across the states of Ohio, Pennsylvania, Michigan, Maryland, Indiana, Massachusetts, Louisiana, Georgia, and Florida. Also served as a senior technician, technical advisor and trainer for Shaw's Field Services technicians specializing in landfill gas collection and control systems.

- Managed all aspects of LFG O&M Field Services from estimating, proposals, budgets and invoicing to client relations and business development.
- Managed a staff of technicians and data managers/administrative personnel.
- Developed and managed project budgets of over \$1 million annually, and consistently achieved target revenue and margins.
- Worked closely with Shaw owned and 3<sup>rd</sup> party LFGTE facilities to consistently to meet performance and compliance goals.
- Helped develop monitoring protocols to maintain compliance with regulatory requirements.
- Implemented measures to troubleshoot and prevent landfill subsurface oxidation issues.
- Maintained excellent relationships with clients.
- Maintained a diversified client base from major waste companies, large municipalities, and localized landfill operators.
- Held safety in the highest regards; maintained a safe work environment for all with no OSHA reportable incidents within the group.

**Project Manager/Senior Technician, Monitoring Control & Compliance, Medina, OH (2004-2006)** Bill served as Project Manager/Senior Technician for LFG O&M for landfill clients throughout Ohio and Michigan.

- Assisted with company startup, used existing client relations to build a solid portfolio of work throughout the Ohio, Michigan, and Kentucky area.
- Used technical skills to quickly solve challenging problems, used interpersonal skills to train new employees effectively and efficiently.
- Consistently met compliance goals on challenging projects.
- Developed project management skills to manage jobs with minimal supervision.
- Performed all tasks with the highest regard to safety with no OSHA reportable incidents.

**Project Manager/Senior Technician, Earth Tech, Medina, OH (2003-2004)** Bill served as Project Manager/Senior Technician for LFG Operation and Maintenance for landfill clients throughout Ohio, Michigan, Pennsylvania, Kentucky, and Florida.

- Selected as a lead Senior Technician to lead the Ohio area LFG O&M group.
- Assisted in the development of client-based monitoring protocols and procedures.
- Field tested several instruments new to the market.
- Led technician training seminars for fellow employees and clients.
- Assisted staff with data management and reporting.
- Safely performed all tasks.

**Technician, The IT Corporation, Middleburg Heights, OH (200-2003)** Bill began his LFG career as a Technician and Landfill Gas to Energy (LFGTE) Plant Operator at the CRSL So Glen Gas medium BTU facility in Solon, OH.

- Responsible for day-to-day operations of the LFGCCS.
- Incorporated environmental, construction and electrical skills to safely solve complex problems.
- Had direct involvement with the construction and commission of the So Glen medium BTU Landfill Gas to Energy plant providing Nestle USA landfill gas to fuel their boilers.
- Through determination and hard work, was able to maintain plant run time target numbers while keeping overall costs to a minimum.
- Honed LFG O&M skills on this challenging facility to be later used throughout career.

## Project Experience

**City of Riverview, Riverview Land Preserve, Riverview, MI.** Provided GCCS and O&M project management and oversight. Team consisted of a (2) on-site, full time technician to operate and maintain the gas collection and control system (GCCS) and an environmental data specialist to manage data and prepare reports. Responsibilities include GCCS operations, maintenance, and monitoring, surface emissions monitoring, explosive gas monitoring, small construction/repairs. Title V air/compliance reporting, minimizing odors, maintaining compliance, and maximizing LFG production to supply fuel to a 6.6 MW landfill gas to energy turbine plant. Successfully implemented a well field tuning and maintenance program that increased gas flow, reduced oxygen by 2%, and reduced odors to minimum levels.

**City of Toledo, Hoffman Road Landfill, Toledo, OH.** Provided GCCS O&M project management and oversight. Team consisted of an on-site technician to operate and maintain the GCCS and environmental data specialist to manage data and prepare reports. Responsibilities include GCCS operations, maintenance and monitoring, surface emissions monitoring, GHG monitoring, Title V air/compliance reporting, 24/7 emergency response, and construction services. Completed several system studies to identify sources of oxygen intrusion and improve overall gas quality and system reliability. Provided project management and client management for the routine and non-routine operations, maintenance and monitoring of landfill gas collection systems and flares.

**City of Toledo, Stickney Landfill, Toledo, OH.** Provided project management and client management for the routine operations, maintenance and monitoring of landfill gas collection systems and flares.

**County of Anne Arundel, Millersville Landfill, Severn, MD.** Provided GCCS O&M project management and oversight. Team consisted of an on-site, full time technician to operate and maintain the gas collection and control system (GCCS) and an environmental data specialist to manage data and prepare reports. Responsibilities included GCCS operations, maintenance, and

monitoring, minimizing odors, maintaining compliance, maximizing LFG production in preparation for a new 3.2 MW landfill gas to energy plant. Successfully implemented a well field balancing and tuning program that increased gas flow by 40 percent, gas quality by 15 percent, and reduced odors to virtually undetectable levels.

**Dade County, North and South Dade Landfills, Miami, FL.** Provided GCCS O&M project management and oversight. Team consisted of two on-site technicians to operate and maintain the GCCS and an environmental data specialist to manage data and prepare reports. Responsibilities included GCCS operations, maintenance and monitoring, explosive gas monitoring, surface emissions monitoring, and Title V air/compliance reporting. Successfully installed a series of horizontal collectors at North Dade to minimize odors, surface emissions exceedances, and leachate outbreaks. Successfully maintained compliance at both facilities.

**East Baston Rouge Parish, North Landfill, Zachary, LA.** Provided GCCS O&M project management and oversight. Team consisted of an on-site technician to operate and maintain the GCCS and an environmental data specialist to manage data and prepare reports. Responsibilities included GCCS operations, maintenance and monitoring, surface emissions monitoring, well gauging, GHG monitoring, Title V air/compliance reporting, 24/7 emergency response, and construction services. Responsible for commencing new gas collection and control system in April 2010 in preparation for a direct use gas-to-energy compression facility owned and operated by SES. Successfully increased gas flow and gas quality, minimized air intrusion, and maintained a 95 percent or greater system run time.

**Land and Lakes, Chicagoland Area, IL.** Provided GCCS O&M project management and oversight to four Land and Lake -owned landfills located in the Chicagoland area. Team consisted of an on-site technician to operate and maintain the gas collection and control systems and an environmental data specialist to manage data and prepare reports. Responsibilities included GCCS operations, maintenance, and monitoring, weekly GHG readings, explosive gas probe monitoring, well gauging, 24/7 emergency response, and constructive repair services. Successfully implemented a GCCS construction design/build project at one facility during final capping activities. Maintained compliance and odor control throughout the duration of the project.

**Louisiana Regional Landfill, Jefferson Parish Landfill, Avondale, LA.** Provided GCCS O&M project management and oversight. Team consisted of an on-site, full time technician to operate and maintain the GCCS and an environmental data specialist to manage data and prepare reports. Responsibilities included gas well tuning and balancing interfacing with a direct use gas-to-energy project, GCCS maintenance and repairs, surface emissions monitoring, GHG monitoring, well gauging and well dewatering. Provided well field assessments that led to a major well field expansion in 2011 -2012 which resulted in a 50 percent gas flow increase and a reduction in odors on Phase III.

**Meridian Waste Virginia, Tri City Landfill, Petersburg, VA.** Provided new GCCS startup and troubleshooting and small construction assistance. Working with Tetra Tech engineers, provided valuable input needed to modify new GCCS install to ensure reliable operation and preparing system for an RNG PROJECT. Through the modification of a failing SVE well system, successfully established vacuum and control to an area with exceeding gas migration probes and within 5 weeks reduced exceedance issues to zero.

**Ohio Environmental Protection Agency, Harvard Road Landfill, Garfield Heights, OH.** Provided project management and client management for the inspection and lubrication of two blowers.

**Republic Services, Carbon Limestone Landfill, Lowellville, OH.** Performed routine and non-routine maintenance and monitoring. Provided pump house pad construction.

**Republic Services, Cherokee Run Landfill, Bellefontaine, OH.** Provided GCCS O&M project management and oversight to fuel a 4.8 MW LFGTE co-generation facility and a leachate evaporation system. As a joint venture between Republic, Shaw, and DTE Biomass, this project presented unique challenges due to large amounts of liquids and fast paced filling operations. Team consisted of two on-site technicians to operate and maintain the GCCS and an environmental data specialist to manage data and prepare reports. Responsibilities included routine and non-routine GCCS monitoring, operations, maintenance, repairs, explosive gas monitoring, surface emissions monitoring, GHG monitoring, well gauging, subsurface oxidation response and remediation, and 24/7 emergency response. Worked in conjunction with all parties involved to achieve projected plant run times and compliance goals. Implemented plans to dewater collection system to achieve higher gas flows.

**Republic Services, Clarion Landfill, Leeper, PA.** Performed routine operations, maintenance and monitoring.

**Republic Services, Closed Landfills, Northeast OH.** Provided GCCS O&M project management, oversight, and hands-on field services at Muskingum and Duck Creek landfills. Team consisted of one on-site technician to operate and maintain the GCCS and an environmental data specialist to manage data and prepare reports. Responsibilities included routine GCCS monitoring, O&M, explosive gas monitoring, surface emissions monitoring, well gauging, and 24/7 emergency response. Successfully maintained compliance across these facilities.

**Republic Services, Closed Landfills, Southeast OH.** Provided GCCS O&M project management, oversight, and hands-on field services. Team consisted of one on-site technician to operate and maintain the GCCS and an environmental data specialist to manage data and prepare reports. Responsibilities included routine GCCS monitoring, O&M, explosive gas monitoring, surface emissions monitoring, well gauging, and 24/7 emergency response. Successfully maintained compliance across these facilities and improved flare runtime at the rapidly aging Muskingum Landfill.

**Republic Services, County Environmental, Leeper, PA.** Provided data management and GCCS and O&M oversight. Managed and supported client technician with day-to-day O&M operations, provided training to technicians when requested. Successfully mitigated a subsurface oxidation event and reduced odor complaints.

**Republic Services, Imperial Sanitary Landfill, Imperial, PA.** Provided GCCS O&M project management, oversight, and hands-on field services. Team consisted of (2) on-site technicians to operate and maintain the GCCS and an environmental data specialist to manage data and prepare reports. Responsibilities included GCCS operations, maintenance, and monitoring, explosive gas probe monitoring, surface emissions monitoring, well gauging, 24/7 emergency response, and construction repair services. Successfully provided high quality fuel to the on-site High BTU gas-to-energy facility.

**Republic Services, Krestrel Hawk Landfill, Racine, WI.** Provided GCCS O&M project management, oversight, and hands-on field services. Team consisted of an on-site technician to operate and maintain the GCCS and an environmental data specialist to manage data and prepare reports. Responsibilities included GCCS operations, maintenance and monitoring, explosive gas probe monitoring, surface emissions monitoring, well gauging, 24/7 response, and construction repair services. Provided fuel on a consistent basis off-site to the SC Johnson company.

**Republic Services Landfills, Northwest OH.** Provided GCCS O&M project management and oversight at Wyandot, Port Clinton, and Vienna Junction landfills. Team consisted of two on-site technicians to

operate and maintain the GCCS and an environmental data specialist to manage data and prepare reports. Responsibilities included routine GCCS monitoring, O&M repairs, explosive gas monitoring, surface emissions monitoring, GHG monitoring, well gauging, and 24/7 emergency response. Worked in conjunction with third-party gas developer at Vienna Junction and Port Clinton landfills to increase gas flow and quality, to minimize oxygen intrusion to the EDI owned LFGTE plant. Successfully maintained compliance across these facilities.

**Republic Services, Laubscher Meadows Landfill, Evansville, IN.** Provided GCCS O&M project management and oversight. Team consisted of an on-site technician to operate and maintain the GCCS and an environmental data specialist to manage data and prepare reports. Responsibilities included GCCS operations, maintenance and monitoring, explosive gas probe monitoring, surface emissions monitoring, well gauging, 24/7 emergency response, construction repair services. Greatly reduced on-site and off-site odors and dewatering efforts since the project's inception.

**Republic Services, Lee County Landfill, Dixon, IL.** Provided GCCS O&M project management, oversight, and hands-on field services. Team consisted of an on-site technician to operate and maintain the GCCS and an environmental data specialist to manage data and prepare reports. Responsibilities included GCCS operations, maintenance, and monitoring, surface emissions monitoring, well gauging, dewatering pump maintenance, and construction repair services. Greatly reduced on-site and off-site odors and dewatering efforts since the project's inception.

**Republic Services, Livingston Landfill, Pontiac, IL.** Provided GCCS O&M project management and oversight assistance. Activities include assisting in house technician with quarterly NSPS surface emissions monitoring, explosive gas monitoring, well liquid level gauging, flare performance testing and maintenance. Provides as needed support to perform well, riser, and valve extensions as filling operations move rapidly around the facility. Completed wellfield assessments and troubleshooting, assisted RSI personnel with construction plans.

**Republic Services, Mallard Lake Landfill, Hanover Park, IL.** Provided GCCS O&M project management and oversight. Team consisted of an on-site technician to perform routine monitoring and maintenance of the gas collection and control system and an environmental data specialist to manage data and prepare reports. Responsibilities include gas collection and control system monitoring, 24/7 emergency response, and weekly inspections. Works in conjunction with third-party gas developer to provide landfill gas fuel to a 10 MW landfill gas to electric power plant. Successfully decreased the number of out of non-compliant wells and increased overall quality of the gas collected within the first four months of taking over the project.

**Republic Services, Newton County Landfill, Brook, IN.** Provided LFGCCS O&M project support and technical oversight. Provided field training and technical oversight to the LFG system team as well as data QC and analysis. Implemented procedures to reduce compliance issues and maximize flow.

**Republic Services, Ohio County Landfill, Beaver Dam, KY.** Provided GCCS O&M project management and oversight. Team consisted of an on-site technician to operate and maintain the GCCS and an environmental data specialist to manage data and prepare reports. Responsibilities included GCCS operations, maintenance and monitoring, explosive gas probe monitoring, surface emissions monitoring, well gauging, 24/7 emergency response, and constructive repair services. Successfully implemented a high temperature well enhanced monitoring plan and improved gas flare operation through repairs and upgrades.

**Republic Services, Port Clinton Landfill, Clinton, OH.** Performed non-routine operations, maintenance and monitoring.

**Republic Services, Roxana Sanitary Landfill, Edwardsville, IL.** Provided GCCS O&M project management and oversight. Team consisted of an on-site technician to perform O&M and an environmental data specialist to manage data and prepare reports. Responsibilities included surface emissions monitoring, well gauging, dewatering pump maintenance, and construction repair services. Successfully improved dewatering pump operations.

**Republic Services, Upper Rock Island Landfill, East Moline, IL.** Provided GCCS O&M project management, oversight, and hands-on field services. Team consisted of an on-site technician to operate and maintain the GCCS and an environmental data specialist to manage data and prepare reports. Responsibilities included GCCS operations, maintenance, and monitoring, well gauging, dewatering pump maintenance, and construction repair services. Greatly improved GCCS components through diligent maintenance, repair, and replacement.

**Republic Services, Valley View Landfill, Sulphur, KY.** Provided GCCS O&M project management and oversight. Team consisted of (2) on-site technicians and (1) field project manager to operate and maintain the GCCS operations, maintenance, and monitoring, explosive gas probe monitoring, surface emissions monitoring, well gauging, 24/7 emergency response, and construction repair services. Successfully implemented a high temperature well enhanced monitoring plan and greatly reduced on-site and off-site odors since projects inception.

**Republic Services/Veolia, Arbor Hills Landfill, Northville, MI.** Provided GCCS O&M project management and oversight. Team consisted of an on-site, full time technician to operate and maintain the GCCS and an environmental data specialist to manage data and prepare reports. Responsibilities included GCCS operations, well gauging, maintenance and monitoring, explosive gas monitoring, surface emissions monitoring, maintenance on over 40 dewatering pumps, and GHG monitoring. Worked in conjunction with gas developer to provide landfill gas to fuel a Fortistar-owned 19 MW landfill gas to electric power plant. Successfully increased gas flow within the first year and decreased the number of surface emissions exceedances.

**Rumpke, Noble Road Landfill, Shiloh, OH** Provided GCCS O&M project management, oversight, and hands-on field services. Team consisted of an on-site technician to operate and maintain the GCCS and an environmental data specialist to manage data and prepare reports. Responsibilities included GCCS operations, maintenance and monitoring, explosive gas probe monitoring, surface emissions monitoring, well gauging, 24/7 emergency response, and construction repair services. Successfully managed elevated well temperatures by implementing monitoring, tuning, and sampling protocols accepted by the client and OEPA. Through diligent efforts, wells were successfully and safely operated at higher temperatures without causing subsurface fires.

**Waste Management, Active and Closed Sites, OH.** Provided GCCS O&M services at Cuyahoga Regional, Evergreen, Suburban, Hardy Road, Hazel Street, Lake County, Seneca, Belden, Wasteland, and Coshocton landfills. Worked as a field technician on these facilities. Responsibilities included routine GCCS monitoring, O&M, explosive gas monitoring, surface emissions monitoring, site inspections, well gauging, 24/7 emergency response.