

SCS FIELD SERVICES

LANDFILL GAS TO ENERGY PIPELINES

SCS is experienced in the design, construction, operation, and maintenance of cross-country transmission pipelines, including high and low pressure conveyance systems (motors, compressors, and blowers), operational and alarm system controls between the LFG supplier and the end user, metering systems, gas treatment systems, and communication systems.

SCS Field Services (SCS-FS) specializes in landfill gas and transmission pipelines. While there are contractors who specialize in transmission pipelines, and there are contractors who specialize in landfill gas, there are few who truly are specialists in both. A significant portion of SCS-FS's landfill gas to energy projects involve direct use of landfill gas in a variety of applications (e.g., brick kilns, boilers, heaters, etc.). These projects typically require transportation of the landfill gas through pipelines in accordance with State and Federal Department of Transportation (DOT) requirements. LFG systems on landfills typically are not required to comply with DOT regulations because they are not constructed in areas under DOT jurisdiction. Transmission line projects, however, frequently fall under DOT jurisdiction and require specialized DOT experience.

SCS-FS has extensive experience with DOT regulations applicable to transmission pipelines both as engineers and contractors. SCS-FS's pipe fusion technicians are certified under the provisions set forth under DOT 192.283 and 192.285. SCS-FS utilizes the McElroy Track Star fusion machines on all DOT regulated pipeline projects. The Track Star machine is a self-contained, self-propelled, all-terrain hydraulic fusion machine that is computer-controlled, features programmable multiple pressure set points, and performs pressure calculations with drag compensation. It also contains an integral data-logging feature that allows us to provide the client with a printout of each butt weld on the pipeline.

SCS has constructed numerous transmission pipelines in a number of different states. All fused pipes are tested in accordance with 49 CFR 192.283 et al. SCS has never had a weld failure on a gas transmission line. All of SCS' field personnel are OSHA 40 hour hazardous waste operator trained, and have been certified in trench safety in accordance with OSHA standards.

SCS holds paramount the health and safety of our employees, our clients, and the public.



Benefits of Landfill Gas Utilization

- LFG collection systems destroy methane which is a possible greenhouse gas
- Offset the use of non-renewable resources to meet the energy needs at another facility
- Reduce air pollution
- Create revenue and cost savings
- Generate positive publicity for everyone involved – serving as a creative example in promoting more sustainable local practices

There are significant differences between a typical natural gas project and landfill gas. Landfill gas is a wet gas which requires condensate management, and an understanding of the compositional differences between landfill gas and natural gas. When constructing a landfill gas system where the gas has not been pre-treated and dried, the system requires pipelines to be placed on grade (vs. no requirement for accurate grade for dry, natural gas), condensate and leachate management, and working in a methane rich environment. A typical cross country transmission line contractor is not experienced in the nuances of landfill gas.



Ownership Makes A Difference

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In an age when consolidations, mergers, and public ownership of environmental firms are common, SCS Field Services, as a division of SCS Engineers is proud to be one of the oldest and largest firms in the industry still operated like a professional service firm instead of strictly as a business.

We are completely owned by our employees, and virtually all of our senior managers are licensed professionals in one or more jurisdictions.

We are an environmental construction firm that solves your environmental challenges.

www.scsfieldservices.com