



ARM Group Inc.

LANDFILL TO GAS ENERGY CONSULTING & ENGINEERING SERVICES

Landfill Gas To Energy Services

Landfill gas, composed of about 50% methane, is created when micro-organisms cause organic waste, such as food wastes and paper, to decompose in landfills. Unless it is collected and burned, landfill gas escapes into the atmosphere. In landfill gas to energy projects, landfill gas is burned in boilers, reciprocating engines, and combustion turbines to produce electricity. The landfill size and age, quantity of organic waste, and the local climate help determine how much gas a landfill can produce (EPA website).

One of the cornerstones of the Pennsylvania Government's "PennSecurity Fuels Initiative" is to fully develop the State's indigenous energy resources while enhancing environmental protection. Landfill methane gas emitted from decomposing garbage is considered by Pennsylvania to be a "reliable and renewable fuel." Rather than simply venting or flaring this methane gas, one that is considered an important global warming gas, ARM Group Inc. (ARM) is helping its landfill clients to harness the energy contained in this gas to use it for heating purposes or for electricity generation.

ARM has an experienced staff of engineers with extensive experience in landfill gas management, design, conveyance, and utilization. Our personnel have provided design and construction-phase related services for numerous landfill gas to energy projects throughout the Mid-Atlantic Region.

LFTGE Engineering & Consulting Services:

- Landfill Gas Generation Assessment
- Engineering Design Services Including:
- Landfill Gas Resource Analysis and Optimization Assessment
- Gas Conveyance Pipeline Design
- Vacuum Pressure Evaluation and Exhauster/Blower Selection
- Condensate Management System
- Permit Application Preparation Including:
- Title V Air Permit
- Bureau of Air Quality Permit
- Minor Landfill Permit Modification (if applicable)
- Preparation of Construction Drawings and Specifications
- CQA and Construction Certification

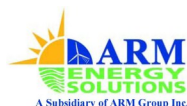


<http://www.smemaine.com>

CORPORATE HEADQUARTERS

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Resourceful Solutions to Energy Challenges

A Subsidiary of ARM Group Inc.

REGIONAL OFFICES

State College, PA
Pittsburgh, PA
Wilkes-Barre, PA
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