



LANDFILL TECHNICIAN JOB DESCRIPTION

Purpose of Job:

To operate and maintain landfill gas (LFG) recovery and migration control systems that maximize gas recovery in accordance with established procedures. To acquire data, test for emissions and record data on the operation of the LFG collection system as required by operating procedures, by permits and by local, county, state, and federal regulations. To evaluate information and make decisions effecting the day-to-day operations of the landfill gas collection system. To be a key member of the landfill gas management team.

Typical Work Performed:

- Conduct LFG field tests using portable instrumentation. Monitor sample points such as wells, laterals, etc. Record data in logs and field data forms.
- Adjust LFG flow rates from wells, as necessary, to minimize gas emissions from the field. Operate a variety of analytical test equipment. Also:
 - ◆ Calibrate and maintain test equipment on a daily basis.
 - ◆ Schedule required calibration/maintenance as necessary.
- Maintain a gas collection field log, noting pertinent information related to field operations.
- Advise the facility supervisor of all conditions that might impact operations.
- Assist the facility supervisor in the analysis of the field data collected to tune the gas collection system for optimum long-term emissions control.
- Coordinate with facility supervisor repairs and modifications necessary to maintain and operate LFG collection system.
- Make repairs and/or modifications to wells, wellheads, collection lines, condensate traps, migration probes, vaults, flares, and associated equipment as directed.
- Fabricate repairs and install modifications to the LFG collection system.
- Operate and perform maintenance on the LFG flare system.
- Operate all test and safety equipment, as required or directed.
- Operate construction hand and power tools, as required.
- Operate construction equipment, as directed and trained, i.e. dump truck, backhoe, skid loader, etc. Maintain assigned equipment in good operating condition.
- Interface with regulatory agencies, inspectors and visitors as required or directed.
- Prepare technical reports, as directed.
- Utilize PC based landfill gas management and word processing software to prepare reports.

Level of Responsibility:

- Responsible for performing quality work in a safe and conscientious manner.
- Able to acquire skills and knowledge sufficient to perform regular duties with only general supervision.
- Able to work independently with minimal supervision upon completion of training.
- Able to organize work and take (and give) clear instructions.

- Able to work as a contributing member of a team.

Knowledge and Skills Request

- Has experience or has demonstrated a high degree of aptitude in mechanical work.
- Has experience or has demonstrated a high degree of aptitude in analytical problem solving.
- Has experience or has demonstrated an aptitude in using field test equipment.
- Has experience in the use of hand and power tools.
- Has the ability to read and interpret operating manuals and schematics.
- Has the ability to communicate effectively both orally and in writing.
- Has good physical health. Able to do strenuous work outdoors under various climatic conditions.

Driving Requirements:

- Must have valid driver's license.
- Must be able to operate motor vehicle on and off the landfill site.
- Must have a good driving record and be acceptable to company's insurance carrier.

Other Knowledge and Skills Desired:

Construction experience is desirable-mechanical, plumbing, piping and electrical. Experience in working with PVC pipe is a plus. Must have or can obtain training to receive certification for polyethylene pipe fusion. Ability to read process schematics, electrical schematics and topo maps is helpful. Chemistry, biological science, or environmental educational background is desirable.

Equipment that will be provided:

Applicant to accept responsibility for (or as assigned):

- General Equipment & Supplies
- Vehicle(s) - pick-up truck, four-wheel drive, or all terrain vehicle (ATV)
- Tools (hand and power)
- Meters and instruments:
 - ◆ Gas analyzer (portable and/or stationary),
 - ◆ Micromanometer, Gas leak detector,
 - ◆ Multi-gas monitor (CO, H₂S), Oxygen analyzer, etc.
- Personal computer, Operating and equipment manuals,
- Safety protection equipment, Portable generator & pumps

The above information may not apply to all situations and is offered only as a generic guideline. State and federal laws and individual company policies, responsibilities or skill levels could change at any time.

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