

Jurisdictional Class: Competitive
EEO Category: Technicians
Adopted: 06/11/2019

LANDFILL GAS TECHNICIAN

DISTINGUISHING FEATURES OF THE CLASS: This position is responsible for the monitoring and maintenance of landfill gases. The incumbent performs all duties in compliance with statute, rules, and all applicable regulations. The work is performed under the direct supervision of a higher level manager and under the general supervision of individual responsible for environmental compliance. Supervision is not a function of this class. The incumbent performs related work as required.

TYPICAL WORK ACTIVITIES: (Illustrative Only)

Conduct landfill gas field tests using portable instrumentation;
Organize and maintain field data;
Calibrate and maintain testing equipment;
Assist with third-party required regulatory calibrations and upkeep of monitoring equipment;
Troubleshoot problems with landfill gas collection systems;
Maintain and inspect landfill gas flares;
Adjust gas wells;
Perform field tests and sampling;
Operate and perform maintenance on the landfill gas field, including replacing and repairing pneumatic pumps, changing well heads, replacing valves and fusing HDPE piping;
Aid in site surveying and assisting with the installation of gas expansions;
Collect and monitor groundwater monitoring wells;
Utilize PC-based landfill gas management software, SCADA and GPS data;
Prepare technical reports;
Perform industrial site audits;
Maintain industrial waste profiles;
Ensure that the Landfill Radiation Detection Plan is in compliance with New York State DEC regulations.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS: Good knowledge of the principals and procedures related to operation and maintenance of municipal solid waste landfills; mechanical aptitude; ability to use computers/computer programs such as Microsoft Word and Excel; ability to work independently within the scope of general direction; ability to express ideas and concepts both orally and in writing; ability to work in adverse weather conditions.

MINIMUM QUALIFICATION:

Graduation from a regionally accredited or New York State registered college or university with an Associate's Degree or higher in Environmental Planning, Ecology, Natural Resources, Natural Sciences*, Environmental Education, Environmental Engineering, Environmental or Natural Resource Management, Environmental Studies, Environmental Technology, Renewable Energy, or a closely related field.

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MINIMUM QUALIFICATION (cont'd)

*Natural Sciences – means the branches of science collectively which deal directly with natural objects, organic or inorganic and the substance composing them and the phenomena exhibited by them. These may include biology in all its branches, mineralogy, geology, chemistry, physics, geography and other sciences, but not abstract mathematics, philosophy or metaphysics.

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