



Professional Engineer

Department: Resource Management Services

Revised: November 26, 2024

DESCRIPTION

The Engineer is responsible for oversight, technical assistance, problem solving, developing and maintaining reports of all environmental regulatory compliance issues involving permits and/or permit conditions and rules or regulations pertaining to any environmental permits at all Lycoming County Resource Management Services facilities. The Engineer will work with all RMS Management staff and professional consultants contracted by the County to gather and analyze data and report on issues and information critical to the management of facilities to assist RMS with compliance of environmental permits and applicable rules and regulations. This position requires technical expertise and problem solving in all aspects of all RMS operations. The Engineer has direct supervision of the Environmental Technician and reports directly to the Director.

SPECIFIC DUTIES

- Represents Resource Management Services' interests on engineering and technical matters
- Coordinates with the Operations Manager on the operation of the gas collection system and flares to ensure compliance with all current federal Environmental Protection Agency and Pennsylvania Department of Environmental Protection regulatory conditions.
- Monitor and analyze periodic gas quality checks.
- Reviews and makes recommendations on the repairs, maintenance and upgrades to the system.
- Coordinates with contracted professional representatives to maintain good coordination of activities.
- Reviews technical or compliance problems.
- Reviews and makes recommendations on the development, project design, and specifications of equipment as needed.
- Coordinates the operation of the Cogeneration plant to optimize overall performance and compliance with all current federal Environmental Protection Agency and Pennsylvania Department of Environmental Protection regulatory conditions.
- Monitor and analyze monthly emission checks.
- Monitor and analyze operational performance data.
- Reviews and makes recommendations on the repairs, maintenance upgrades and improvements to the existing plant.

- Reviews and makes recommendations on the development, project design, and specifications of equipment as needed for current and future expansions.
- Coordinates operation required to process and distribute processed landfill gas for sale to the Federal Bureau of Prisons.
- Coordinates the operation, maintenance of the leachate collection system to optimize overall performance, compliance with all federal Environmental Protection Agency and Pennsylvania Department of Environmental Protection regulatory statutes.
- Review analytical test results on raw and aerated leachate to ensure compliance with NPDES and MSA effluent requirements.
- Monitor operational data from leachate pumping stations.
- Coordinates and schedules sampling and leachate analysis.
- Assists in development of pumping stations, project design, specifications of equipment, and other items as needed.
- Monitors compliance with PA DEP and Federal Regulations.
- Tracks changes in regulations and updates appropriate staff in the following areas: landfills, transfer stations, Resource Recovery materials recovery facilities, composting, and other waste processing operations.
- Develops plans to fulfill requirements of Right-to-Know Laws and other related projects and maintains them.
- Coordinates RMS facilities PPC plans and updates to plan with RMS management.
 1. Maintains and updates the plan when needed.
 2. Assists in investigating emergency incidents.
- Assists on technical reviews for special projects including DEP Annual Reports, Title V Air Quality Permits, and annual emission summaries.
- Right-To-Know duties include program oversight and assuring RMS is maintaining compliance with requirements.
- Directs and coordinates monthly Self Inspection Compliance Program.
- Monitors residual waste acceptance plan performance and implementation.
- Monitor and supervise residual waste acceptance plan.
- Performs technical review of problem wastes.
- Reviews all Form U, and FC1 waste disposal applications.
- Directs Groundwater/Stormwater monitoring and compliance.
- Schedules periodic sampling and analysis as required.
- Reviews and analyzes results and coordinates follow-up testing and studies as required.
- Oversees and maintains training of staff in gas collection, cogeneration and leachate systems, industry performance standards (such as compaction), NTNC Public Water System Operation and with LCRMS Radiation Monitoring Plan.
- Coordinates and supervises organization and updating of all compliance related historical records, including "As Built" drawings of LCRMS facilities.
- The position will deal frequently with DEP, outside consulting engineers, sales representatives, contractors, etc.
- Conducts or directs special projects and studies as assigned by the Director.

SUPERVISORY RESPONSIBILITIES

Supervises Environmental Technician, and directs activities of outside consulting engineers as required.

WORKING CONDITIONS

Work is done in an office environment as well as in the landfill area, cogeneration and leachate treatment plant areas, transfer station, recycling center and other RMS facilities. Required to be available during office hours and during emergency situations. Attends night meetings and travels to state wide and national meetings. Required to respond to hazardous situations at the landfill. Represents the landfill under the prevailing conditions at the site of the emergency. Protective clothing may be required to be worn in some cases. Work hours are subject to the demands of the job and may frequently extend well beyond the normal work week.

JOB REQUIREMENTS

- Requirements include a Bachelor's degree in Engineering, with current Pennsylvania Professional Engineer and four (4) years of progressively responsible engineering duties in related fields.
- Experience and knowledge of the PA and Federal regulations relating to landfill operations.
- Experience on personal computers and ability to use various software packages including: AutoCAD, Word, Lotus Notes, Excel.
- Current Pennsylvania Water System Operation certification (WD3 or higher).
- Must submit to and pass a pre-employment drug screening and background check per County policy.

Company Description

County of Lycoming is a county in the U.S. Commonwealth of Pennsylvania and comprises the Williamsport Metropolitan Area. Lycoming is Pennsylvania's largest county by area and is a great place to live and work, offering outdoor adventures, history and culture, and sporting events.

Providing quality customer service to our citizens, business owners and visitors is County of Lycoming's top priority and that starts with our employees.

We offer an award-winning comprehensive benefits package, including generous paid holidays and vacation, a deferred benefit retirement plan, deferred compensation retirement plan availability, affordable medical and dental coverage, innovative wellness programs, extensive professional development opportunities, and more.

County of Lycoming is an Equal Opportunity Employer