

STATIONARY ENGINEER (ELECTRIC)

General Statement of Duties and Responsibilities

Under general supervision, operates, inspects, maintains and adjusts high and/or low voltage electrically powered plant equipment including diesel engines; performs related work.

Examples of Typical Tasks

Operates, inspects, maintains, repairs, tests and adjusts equipment such as: generators, pumps, transformers, electric motors, bearings, switchboards, controllers, compressors, meters, gauges, valves, fittings, heating apparatus, converters, rectifiers, controls, circuit breakers, etc.

Operates dual and tri-fuel engines, generators, pumps, blowers, high tension switchboards and electrical equipment (permanent and portable).

Oils, cleans, and makes minor repairs to this equipment.

Reads meters, gauges, and recording devices.

Keeps records; makes reports.

Takes responsible charge of a watch, and while so engaged is responsible for and directs subordinate personnel.

Instructs and guides subordinates and other personnel.

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Oversees the corrective and preventive maintenance of equipment and structures.

STATIONARY ENGINEER (ELECTRIC) (continued)

Examples of Typical Tasks (continued)

Performs inspections and assessments of assigned facility.

May monitor telemetry of Collection System Operations; direct operations to prevent bypassing.

Maintains combined sewer overflow retention facilities, inflatable damn in-line storage facilities, and in-situ aeration of water bodies.

Operates a motor vehicle.

Qualification Requirements

1. Five years of full-time satisfactory experience in responsible charge of the operation of plants or facilities utilizing high tension electrical equipment (600 volts or more), including troubleshooting and repairing such equipment, in one or more of the following: electrical generating stations, electrical switching stations, water treatment plants, wastewater treatment plants, water pumping stations, wastewater pumping stations, other collections facilities or high volume ventilation systems; or
2. Two years of full-time satisfactory experience as described in "1" above, and a baccalaureate degree in electrical, civil or mechanical engineering or in electrical, civil or mechanical engineering technology from an accredited college or university; or

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STATIONARY ENGINEER (ELECTRIC) (continued)

Qualification Requirements (continued)

3. Four years of full-time satisfactory experience as described in "1" above and an associate degree in science or applied science from an accredited college or university with a major in water quality monitoring, wastewater treatment plant operations, environmental health, environmental control, or in electrical, mechanical, or civil technology, or in electrical, mechanical, or civil engineering technology; or
4. Two years of full-time satisfactory experience as described in "1" above plus three years of full-time satisfactory experience as an electrician; or
5. Five years of full-time satisfactory experience as an electrician, including three years of full-time satisfactory experience troubleshooting and repairing high tension electrical equipment (600 volts or more) as described in "1" above; or
6. A satisfactory combination of education and/or experience equivalent to "1", "2", "3", "4" or "5" above. Education may be substituted for experience on the basis that one year of experience will be credited for each 60 semester credits from an accredited college or university leading to a baccalaureate or associate degree in one of the disciplines described in "2" or "3" above. However, all candidates must have at least two years of full-time satisfactory experience as described in "1" above, except for candidates who qualify under "5" above.

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License Requirement

For appointment to certain positions, candidates must have a motor vehicle driver license valid in the State of New York. This license must be maintained for the duration of the assignment.

Certificate Requirement

Candidates appointed to the wastewater treatment plants operated by the Department of Environmental Protection must obtain certification as a Grade 3A or Grade 3 Operator of Public Sewage Treatment Plants by the New York State Department of Environmental Conservation within eighteen months of appointment. This certification must be maintained for the duration of the assignment.

Direct Lines of Promotion

From: Oiler (91628)
Senior Sewage Treatment Worker (90767)

To: Senior Stationary
Engineer (Electric)
(91639)