



CLASSIFICATION DESCRIPTION

TITLE: Engineer II

<p><u>Title of Immediate Supervisor:</u> Supervisor of Building Operations/Building Principal</p>	<p><u>Department:</u> Building Operations</p>	<p><u>FLSA Status:</u> Non-Exempt</p>
<p><u>Accountable For (Job Titles):</u> Fireperson I, Pool Custodian & Custodians</p>		<p><u>Pay Grade Assignment:</u> National Conference of Firemen and Oilers, Local No. 956, Pay Group 15</p>

General Summary or Purpose Of Job:

The Engineer II assumes responsibility for and participates in the general operation; preventive maintenance; custodial care of assigned building and grounds; the heating, cooling and ventilation of the building. Positions assigned to this classification have responsibility for directing a small staff (2-5) comprised of Custodians, Pool Custodians and Firepersons I including the scheduling of work assignments, determining work priorities, staff evaluations but does not have the authority to initiate other personnel actions. The Engineer II classification is part of a classification series comprised of four levels. Positions assigned to the Engineer II differ from Engineer I in that the Engineer II is typically assigned facilities of larger square footage (e.g. 75,000 – 200,000 sq. ft.) and typically require a larger number of staff to maintain the additional square footage or also have to perform maintenance for a swimming pool. The difference between positions assigned to Engineer II vs. Engineer III is primary related to the size of the facility and the greater diversity of staff required to properly maintain and service the needs of the assigned building.

DUTY NO.	ESSENTIAL DUTIES: (These duties are a representative sample; position assignments may vary.)	FRE-QUENCY
1.	<p>Operates and maintains steam boiler heating and ventilation systems in accordance with state laws and regulations.</p> <ul style="list-style-type: none"> ▪ Fires boilers ▪ Punches flues ▪ Adjusts thermostats ▪ Greases and oils motors ▪ Checks belts ▪ Monitors the system to ensure efficiency ▪ Operates the energy management computer system to maintain and track the preventive maintenance program. 	Daily 15%



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DUTY NO.	ESSENTIAL DUTIES: (These duties are a representative sample; position assignments may vary.)	FRE-QUENCY
2.	Assists in the maintenance of school facilities and property. Assists in performing custodial duties and operating snow removal equipment. Inspects playground equipment, roof and other areas of the building to assess needs and maintenance requirements. Reports needs beyond the capabilities of building personnel.	Daily 30%
3.	Directs and monitors staff activities, schedules and priorities in the cleaning, care, and maintenance of building facilities and grounds in accordance with the standard procedures and guidelines established by Building Operations and directions of the Building Principal. Develops staff schedules, makes assignments, adjusts work to meet priorities and deadlines, monitors work performed and evaluates the performance of staff. Performs other lead responsibilities that do not involve initiating personnel actions.	Daily 10%
4.	Conducts preventive scheduled maintenance activities on equipment, motors, fixtures, appliances or system equipment (i.e. boiler, supply fans, exhaust fans, pumps, heating and cooling equipment) within the building. Detects and makes routine repairs and/or schedules and monitors the repairs make by vendors or other District staff.	Monthly 10%
5.	Monitors and ensures the swimming pool and related facilities are properly maintained and serviced. Tests and conducts required water tests to ensure proper chemical balances in accordance with Health Department regulations and standards and makes adjustments as needed.	Daily 10%
6.	Works closely with Building Operations personnel, the building principal, and school staff on issues pertaining to building safety, security, scheduling issues, building code regulations capital projects, maintenance projects, custodial or set up needs.	Daily 10%
7.	Orders and purchases supplies, cleaning materials and equipment necessary to maintain building properly. Monitors and purchases needs in accordance with the established building maintenance budget.	Weekly 5%
8.	Documents, records or prepares fuel reports, work orders, staff timesheets, inspection sheets, safety procedures or other documentation/reports required.	Daily 10%
9.	Performs other duties of a comparable level or type.	As required



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Minimum Qualifications: (necessary qualifications to gain entry into the job not preferred or desirable qualifications)

Requires a minimum of a high school diploma and two years previous experience as an Engineer I or related experience directing the custodial and maintenance activities of a large facility; or an equivalent combination of education, training and/or experience necessary to successfully perform the essential functions of the work.

Certification or Licensing Requirements (prior to job entry):

Class "2-C" Boiler License in the State of Minnesota (Required)

Knowledge Requirements:

Requires knowledge of:

- Basic fundamentals and operational principles involving combustion, mechanical, electrical and HVAC equipment and systems.
- Operational fundamentals of the equipment and supplies used in custodial and ground maintenance.
- General District administrative procedures, rules and guidelines pertaining to such areas as personnel, purchasing, contract services, safety and risk management.
- State laws and requirements governing licensing and operation of HVAC equipment and systems.
- State laws and health guidelines pertaining to the operation and maintenance of swimming pools.
- Basic understanding of supervisory practices and fundamentals.

Skill Requirements:

Skilled in:

- Leading, scheduling, planning, monitoring and evaluating the work of custodial and facility maintenance personnel.
- Operating and maintaining heating, cooling and ventilation equipment.
- Detecting, troubleshooting, servicing and performing scheduled preventive maintenance on heating, cooling and ventilation equipment.
- Maintaining, monitoring and servicing swimming pools in accordance with regulations and standards.
- Use of hand and power tools.
- Performing custodial and ground maintenance functions.
- Maintaining administrative records and implementing administrative functions (i.e. purchasing, department records, etc.) in accordance with District and departmental requirements.
- Communicating and collaborating with other district personnel, building administrator(s), building staff, students and teachers in the care, security and maintenance of the facility.



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Physical Requirements: Indicate according to the requirements of the essential duties/responsibilities				
Employee is required to:	Never	1-33% Occasionally	34-66% Frequently	66-100% Continuously
Stand		√		√
Walk				√
Sit		√		
Use hands dexterously (use fingers to handle, feel)				√
Reach with hands and arms				√
Climb or balance		√		
Stoop/kneel/crouch or crawl			√	
Talk and hear				√
Taste and smell		√		
Lift & Carry:				
Up to 10 lbs.				√
Up to 25 lbs.				√
Up to 50 lbs.			√	
Up to 100 lbs.		√		
More than 100 lbs.		√		
General Environmental Conditions:				
Work is typically performed indoors but the job does require some outdoor work in all types of weather conditions. Duties may involve work with chemicals, working with or around mechanical parts, and some exposure to disagreeable fumes or airborne particles.				
General Physical Conditions:				
Work can be generally characterized as:				
Medium Work: Exerting up to 50 pounds of force occasionally, and/or up to 20 pounds of force frequently, and/or up to 10 pounds of force constantly to move objects.				

Vision Requirements: Check box if relevant	Yes	No
No special vision requirements	√	
Close Vision (20 in. of less)		
Distance Vision (20 ft. of more)		
Color Vision		
Depth Perception		
Peripheral Vision		

Job Classification History:
Description revised by BCC, 1/02.



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