



LAKE SUPERIOR STATE UNIVERSITY

Classification Specification

FLSA Designation
NEHU

Date Issued: March 1, 2004

Department: Physical Plant

Title: Maintenance Mechanic - Plumber

Level: X

FUNCTION

To assist in the maintenance and upkeep of major fixed equipment, auxiliary equipment, appliances, special service equipment, laundry and kitchen equipment, as well as plumbing, sewer and fire protection (both gas and liquid piping systems).

To inform the Physical Plant Director and Managers on the immediate conditions of all assigned areas.

Make good practice of the following:

- Perform duties as assigned by Physical Plant Director and Managers.
- Maintain good relations with the students, staff, faculty, and public.
- Being trustworthy and practicing confidentiality.
- Keep personal appearance neat and well groomed.

SOURCE OF SUPERVISION

Manager of Building Trades, Assistant Director and Director of Physical Plant and all other managers, as needed.

DIRECTION EXERCISED

Directs work of student helpers, as assigned; also employees in lower and higher classifications on occasion.

DUTIES AND RESPONSIBILITIES

Maintains, repairs, and installs building plumbing systems, fire protection systems, components fixtures and equipment in accordance with established work order maintenance schedules, service calls, or specific assignments by supervisor.

Perform journey level work in the following areas:

- Underground piping systems including, but not limited to, domestic water, sewer and storm drains, campus water main distribution system and other similar systems;
- Building piping systems including, but not limited to, industrial and domestic water, sewer and other drain lines, air lines, gas lines, vacuum lines and fire protection systems;
- Fixtures and systems including, but not limited to, faucets, showers, bathtubs, sinks, toilets, traps, drains, valves, water fountains and other similar devices;
- Building equipment and systems including, but not limited to, heaters, heat exchangers and pumps;
- Kitchens, distilled and de-mineralized water distribution systems, swimming pools and other equipment and components connected to piping systems;
- Controls and controls systems including, but not limited to, meters, valves, regulators, safety devices and other components necessary to properly control liquid and gas systems;
- Piping and tubing joining including, but not limited to, silver brazing, soft soldering, caulking, threading, compression joints, flaring and other connect methods common to the trade;
- Pipe welding including electrical, heli-arc, oxy-acetylene welding to join and secure piping systems and related components; and
- Responsible for materials and inventory control for the plumbing shop.

Review building and project specifications for code compliance and recommend application, methods and equipment and materials.

Troubleshoot, install and perform emergency repairs, minor repairs, major repairs, and scheduled preventive maintenance on commercial and household laundry equipment.

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Troubleshoot, install and perform emergency repairs, minor repairs, major repairs, and scheduled preventive maintenance on fixed and portable kitchen appliances.

Troubleshoot, install and perform emergency repairs, minor repairs and major repairs on fixed and auxiliary equipment and assist other trades in higher classifications on major repairs or unrelated trades.

Use hand and power tools related to the maintenance, upkeep and preventive care of all job related equipment assigned.

Initiate and maintain material requisitions; provide labor and material costs for assigned work orders.

Read and interpret blueprints, schematics, operating instructions and specifications.

Ability to follow through and carry out assignments.

Perform work according to manufacturers' specifications, departmental guidelines, trade practices, blue prints, shop drawings, and schematics.

Perform other duties as assigned, based on the weather conditions and the needs of the University. Such work may include, among other assignments: snow and ice removal, assist other trades employees, and special projects.

The above statement reflects the general duties considered necessary to describe the principle functions of the job identified, and shall not be construed as a detailed description of all the work requirements that may be inherent in the job. It is not intended to limit or in any way modify the right of any supervisor to assign, direct and control the work of employees under his/her supervision.

Approved: _____

Signature

Date: _____

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JOB QUALIFICATIONS

Graduate from high school or equivalent. Trade or vocational school graduate with five years experience in the plumbing trade or a plumber apprenticeship or equivalent on-the-job training with a licensed plumber during employment with five years experience. Operational knowledge of both State of Michigan and City of Sault Ste. Marie plumbing and codes, rules and regulations.

Must be in possession of a valid State of Michigan driver's license, pass a security background license check which must be kept current at all times. Must possess a telephone and have the ability to work overtime as assigned.

Must have current certifications in the following:

- 29 CFR 1910.178, Powered Industrial Trucks;
- 29 CFR 1910.147, The Control of Hazardous Energy Sources;
- 29 CFR 1910.66, Powered Platforms for Building Maintenance;
- 29 CFR 1910.146, Confined Space Standard;
- 29 CFR 1910.331, Electrical Safety Related Work Practices; and
- A willingness to obtain additional knowledge.

Must have strong mechanical aptitude as demonstrated with a score above 75% on the DAT Mechanical Reasoning Examination.

Must have a working knowledge of electricity and minor electronic and electronic controls. Must understand job safety on the work site in the use of ladders and scaffolding and have a working knowledge of fire codes and practices as applicable to the work being performed. Must have a good working knowledge of light, medium and heavy duty equipment and the ability to operate such equipment in a safe manner.

Under special circumstances, protective equipment and clothing may be required. Assignments may require working outdoors in inclement weather.

PHYSICAL AND MENTAL DEMANDS

Must have the ability to read, write, calculate, maintain records and solve problems; adequate health and physical condition to handle heavy manual tasks; ability to hear the conversational voice, with or without a hearing aid as required; ability to speak and be understood, under normal circumstances; full use of arms, hands, legs, and feet, or sufficient use of all limbs to accomplish assigned tasks; ability to lift and carry items weighing up to 80 pounds; ability to lift and transport, with assistance, 200 pounds; ability to use chain falls and come-alongs for heavy lifting operations; ability to climb and work from ladders and personnel lifts; ability to do frequent bending and stooping for long periods of time; ability to work up to 50 feet in height; ability to work in steam tunnels and pits where temperatures can be excessive; and ability to work in pipe shafts, crawl spaces, electrical vaults and other confined spaces requiring stooping, bending and crawling. Must have the ability to be trustworthy and maintain confidentiality; must have the ability to read and follow written and oral directions; and must have the ability to plan and work well independently, or in a large group.

Department Head Signature

Date

Physical Job Requirements

Job Title Maintenance Mechanic - Plumber

Department Physical Plant

For activities that are performed in this position, give weight, size, percentage of time or frequency of the activity, or how many times per day/week/month it is performed, how many hours, and distance or heights involved, where each is applicable.

Key: M = Monthly; D = Daily; N/A = Not Applicable or None

D	Climbing and/or standing on ladders	D	Activities requiring quick, repetitive movements (total body)
D	Climbing Stairs	D	Activities requiring quick, repetitive movements (hands only)
D	Reaching	D	Operating cleaning machines
D	Kneeling	O	Stripping and waxing floors
D	Bending/stooping	O	Operating floor buffer
D	Pushing/pulling	O	Shampooing carpets
D	Lifting/carrying up to 30 lb weights	O	Vacuuming carpets
D	Lifting/carrying over 30 lb weights	O	Washing windows, on and off ladder
D	Being on feet all day (8-hour shift)	D	Loading and unloading supplies
N/A	Being seated all day	O	Mopping floors
D	Moving furniture/equipment	O	Sweeping with push brooms
O	Shoveling	O	Dusting furniture
O	Scrubbing furniture	D	Operating hand tools
D	Driving vehicles	O	Driving heavy equipment
D	Operating shop machinery	N/A	Operating kitchen machinery
N/A	Eyes focused on computer screen		Other
N/A	Long hours of travel		Other
D	Walking (indoors, outdoors)		Other