

CLASS TITLE: HVAC/R TECHNICIAN

BASIC FUNCTION:

Under the direction of an assigned supervisor, perform a variety of duties related to general plant engineering maintenance and service at an assigned campus.

REPRESENTATIVE DUTIES:

Maintain and repair boilers and boiler controls; treat boiler water; maintain and repair refrigeration systems. *E*

Maintain and repair air control systems for air conditioning and heating; troubleshoot electrical control systems. *E*

Maintain and repair food service refrigerators, stoves, ovens, steamers and hot water heaters. *E*

Maintain and repair pumps, valves, air compressors, hot water heaters, ice machines, air regulators and driers. *E*

Install, maintain and repair plumbing systems including drinking fountains, sinks, drains and toilets. *E*

Maintain and repair sewer, gas and water lines. *E*

Maintain and repair pneumatic and electrical thermostats and controls; maintain water cooling towers and related pumps. *E*

Maintain and repair swimming pool equipment including filters, pumps and chlorinators. *E*

Perform preventative maintenance on equipment.

Perform related duties as assigned.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

Basic methods, practices, equipment and tools used in the repair and maintenance of plumbing, air conditioning, heating, water treatment and swimming pool systems.

Basic principles and practices of plumbing, air conditioning, heating, water treatment and swimming pool systems.

Basic math.

Record-keeping techniques.

Safe work practices.

ABILITY TO:

- Service and repair plant equipment.
- Use and care for tools and equipment used in maintaining and repairing plant equipment.
- Maintain records related to work performed.
- Work independently with little direction.
- Understand and follow oral and written instructions.
- Communicate effectively both orally and in writing.
- Establish and maintain cooperative and effective working relationships with others.

EDUCATION AND EXPERIENCE:

Any combination equivalent to: graduation from high school supplemented by specialized training in plumbing, heating, air conditioning, refrigeration and water treatment technology and three years responsible HVAC/R experience.

LICENSES AND OTHER REQUIREMENTS:

- Possession of, or ability to obtain, a valid California driver's license.
- EPA 608 Refrigerant and Recovery Certificate.

WORKING CONDITIONS:

ENVIRONMENT:

Indoor and outdoor environment.

PHYSICAL DEMANDS:

Incorporated within one or more of the previously mentioned essential functions of this job description are essential physical requirements. The chart below indicates the percentage of time spent on each of the following essential physical requirements.

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| 1. | Seldom = Less than 25 percent | 3. | Often = 51-75 percent |
| 2. | Occasional = 25-50 percent | 4. | Very Frequent = 76 percent and above |
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| <u>4</u> | a. | Ability to stand for extended periods of time. |
| <u>4</u> | b. | Ability to see for purposes of reading printed matter and operating a vehicle and maintenance equipment. |
| <u>3</u> | c. | Ability to hear and understand speech at normal levels. |
| <u>3</u> | d. | Ability to communicate so others will be able to clearly understand a normal conversation. |
| <u>4</u> | e. | Ability to bend and twist, sit, stoop, kneel, push, pull and crawl. |
| <u>3</u> | f. | Ability to lift <u>75</u> lbs. |
| <u>3</u> | g. | Ability to carry <u>75</u> lbs. |
| <u>4</u> | h. | Ability to reach in all directions. |
| <u>2</u> | i. | Ability to work at heights. |

- 2 j. Ability to ascend and descend a ladder.
- 3 k. Ability to work in the elements (extreme temperatures).

HAZARDS:

Working on ladders.

This job description is intended to describe the general nature and level of work being performed. It is not intended to be construed as an exhaustive list of all responsibilities, duties and skills required of individuals so classified.