AUBURN
Human Resources

Tech I, Plant Operations

Job Description

JOB INFORMATION

Job Code	ND13
Job Description Title	Tech I, Plant Operations
Pay Grade	ST12
Range Minimum	$43,740
33rd %	$51,030
Range Midpoint	$54,670
67th %	$58,320
Range Maximum	$65,610
Exemption Status	Non-Exempt
Approved Date:	1/1/1900 12:00:00 AM
Legacy Date Last Edited	7/2/2018

JOB FAMILY AND FUNCTION

Job Family:	Production & Skilled Trades
Job Function:	Utilities

JOB SUMMARY

Under close supervision, maintains boiler and hot-loop water chemistry and performs routine repairs and preventative maintenance to a variety of district energy chilled water and heating plant equipment.

RESPONSIBILITIES

- Performs preventative maintenance on motors, pumps, boilers, cooling towers, pneumatic and digital controls, valve actuators and operators, and flow meters. Performs seasonal transitions of systems to and from heating and cooling.
- Performs basic repairs of district energy chilled water and heating plant equipment including: motors, pumps, boilers, cooling towers, pneumatic and digital controls, valve actuators and operators, and flow meters.
- Maintains boiler (steam and condensate) and secondary hot-loop water chemistry. Assists contracted water treatment specialist with installation and maintenance of primary hot water, chilled water, and condensing water energy plant systems.
- Will be responsible for meeting and maintaining training and certification requirements as outlined by the Auburn University Facilities Management Policy: "Training, Education, and Certification Requirements for Mechanical and Electrical Trades Personnel".
- May be required to serve in an on-call status and remain work-ready when scheduled for an on-call period or rotation. Work-ready status requires an employee to return to the worksite within forty-five minutes while being physically and mentally unimpaired and fit for duty, able to safely perform all essential job functions with no risk to self, coworkers, students, public, or property.

The responsibilities listed above show the typical duties for jobs in this classification. Actual tasks may differ depending on the department's needs. Other similar duties may be assigned with discretion of the supervisor. Not every duty will apply to every position, and the amount of time spent on each task can change based on department needs.

SUPERVISORY RESPONSIBILITIES

Supervisory Responsibility	May be responsible for training, assisting or assigning tasks to others. May provide input to performance reviews of other employees.

MINIMUM QUALIFICATIONS

To be eligible, an individual must meet all minimum requirements which are representative of the knowledge, skills, and abilities typically expected to be successful in the role. For education and experience, minimum

requirements are listed on the top row below. If substitutions are available, they will be listed on subsequent rows and may only to be utilized when the candidate does not meet the minimum requirements.

MINIMUM EDUCATION & EXPERIENCE

Education Level	Focus of Education		Years of Experience	Focus of Experience	
High School Diploma or GED	High School diploma required.	and	2 years of	Experience in installation, maintenance, repair, and operation of a wide array of common plant system components.	Or

MINIMUM KNOWLEDGE, SKILLS, & ABILITIES

Knowledge of HVAC and refrigeration theory and principles.	
Knowledge of HVAC and refrigeration system operations.	
Knowledge and understanding of major HVAC system components (i.e. what they do, how they work, and how to install or replace them).	
Knowledge of preventative maintenance practices for district energy systems.	
Basic knowledge of pumps, motors, and related system flow characteristics.	
Basic knowledge of electrical systems.	
Basic knowledge of single phase and three phase electrical systems including wire sizing.	
Basic knowledge of water chemistry standards for steam, condensate, chilled water, condensing water, and heating water systems.	
Knowledge of workplace safety and safe work practices.	
Understanding of industrial safety procedures and practices pertaining to working around operating equipment.	
Ability to perform preventative maintenance on district energy equipment such as chiller (evaporator and condensor), water tubes, boiler fire tubes, distribution system pumps and motors, valves, valve actuators, and flow meters.	
Ability to maintain and troubleshoot district energy system operations:	
-Properly maintain set points for automated chilled water system staging.	
-Operate system to maintain adequate differential pressure across all plants and buildings.	
-Operate system to maintain required temperatures across all plants and buildings.	
Ability to assist in the installation, repair, and/or replacement of district energy system components such as pumps, motors, valves, flow meters, variable frequency drives, heat exchangers, and water softeners.	
Ability to wire circuits and components.	
Ability to read blueprints.	
Ability to read electrical and mechanical system drawings.	

MINIMUM LICENSES & CERTIFICATIONS

Licenses/Certifications	Licenses/Certification Details	Time Frame	Required/ Desired	
DL NUMBER - Driver License, Valid and in State	"Any State"	Upon Hire	Required	And
	Universal Refrigerant Card	within 180 Days	Required	

PHYSICAL DEMANDS & WORKING CONDITIONS

Physical Demands Category:	Other

PHYSICAL DEMANDS

Physical Demand	Never	Rarely	Occasionally	Frequently	Constantly	Weight
Standing				X		
Walking				X		
Sitting			X			
Lifting				X		50-100 lbs
Climbing				X		
Stooping/ Kneeling/ Crouching				X		
Reaching				X		
Talking			X			
Hearing				X		
Repetitive Motions				X		
Eye/Hand/Foot Coordination				X		

WORKING ENVIRONMENT

Working Condition	Never	Rarely	Occasionally	Frequently	Constantly
Extreme cold					X
Extreme heat					X
Humidity					X
Wet					X
Noise					X
Hazards					X
Temperature Change					X
Atmospheric Conditions					X
Vibration					X

Vision Requirements:

Ability to see information in print and/or electronically.