AUBURN
Human Resources

Tech III, Plant Operations

Job Description

JOB INFORMATION

Job Code	ND15
Job Description Title	Tech III, Plant Operations
Pay Grade	ST15
Range Minimum	$55,130
33rd %	$67,990
Range Midpoint	$74,420
67th %	$80,860
Range Maximum	$93,720
Exemption Status	Non-Exempt
Approved Date:	1/1/1900 12:00:00 AM
Legacy Date Last Edited	1/8/2020

JOB FAMILY AND FUNCTION

Job Family:	Production & Skilled Trades
Job Function:	Utilities

JOB SUMMARY

Under limited supervision, responsible for performing complex installations, replacements, or repairs to district energy heating and cooling system components.

RESPONSIBILITIES

- Serves as the University's technical expert on district energy system operations, repairs, and maintenance. Plans, schedules, and oversees major district energy system repair projects, such as replacement of system pumps or motors, replacement of cooling tower fans or motors, repair and/or replacement of variable frequency drives, and leading emergency repair efforts.
- Oversees the repair efforts of less experienced Plant Operation Technician Is and IIs executing complex repairs and maintenance on district energy heating and cooling systems including motors, pumps, boilers, cooling towers, pneumatic and digital controls, valve actuators and operators, and flow meters.
- Inspects district energy systems and their components (e.g. motors, pumps, boilers, cooling towers, pneumatic and digital controls, valve actuators and operators, and flow meters) for the purpose of evaluating operating status and material condition, identifying necessary repairs, and recommending a proper course of action.
- Repairs, maintains, and installs complex electrical systems and components within the district energy plants including variable frequency drives, BAS control components, large motors, and pumps. Repairs, maintains, and installs electrical systems and components that involve medium-high voltage (up to 600V), three-phase power, sophisticated controls, large sets of complex equipment (interconnected between energy plants), and campus-wide systems.
- Oversees and plans assigned work orders using the Facilities Management AIM work order system to prioritize and schedule work to best meet the needs of Auburn University and its customers. Identifies options, develops solutions, and takes action when responding to customer requests.
- 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	
Some college; vocational or Associate's Degree	Heating, Ventilating, and Air Conditioning systems, refrigeration, building control systems, electrical technology, electrical construction, or other related fields. Associate's degree preferred.	and	8 years of	Experience in installation, maintenance, repair, and operation of a wide array common plant system components. Must include at least 3 years at the preceding level.	

Substitutions Allowed for Education	Yes

Substitution allowed for Education: When a candidate has the required experience, but lacks the required education, they may normally apply additional relevant experience toward the education requirement, at a rate of two (2) years relevant experience per year of required education.

MINIMUM KNOWLEDGE, SKILLS, & ABILITIES

Advanced knowledge regarding the installation, maintenance, repair, and proper operation of a wide array of complex district energy systems.	
Advanced knowledge regarding a wide array of complex district energy systems components such as chillers, boilers, variable frequency drives, valves, valve actuators, and flow meters.	
Advanced knowledge regarding troubleshooting, assessment, and diagnostic techniques for complex district energy heating and cooling systems problems.	
Advanced knowledge regarding project management and the planning, scheduling, and overseeing of district energy system repair projects.	
Advanced knowledge of HVAC and BAS control systems and the ability to install, repair, and replace control components.	
Advanced knowledge of motor or equipment control systems and the ability to install, repair, and replace control components.	
Advanced knowledge regarding troubleshooting, assessment, and diagnostic techniques for routine energy plant electric systems problems.	
Advanced knowledge regarding the use of building automation systems, such as Johnson Controls Metasys system, to find and troubleshoot issues.	
Advanced knowledge of fire alarm and refrigerant alarm systems and how they interact with both district energy plant electrical systems and automated heating and cooling system operations and controls.	
Leadership and supervisory skills, along with the ability to communicate tasks and give direction to subordinates in a clear and concise manner.	
Ability to install, repair, and/or replace a wide array of complex district energy system components such as motors, pumps, boilers, chillers, cooling towers, pneumatic and digital controls, valve actuators and operators, variable frequency drives, BAS control components, and flow meters.	
Ability to troubleshoot, assess, and diagnose complex district energy heating and cooling systems problems.	
Ability to plan, schedule, and oversee district energy system repair projects.	

MINIMUM KNOWLEDGE, SKILLS, & ABILITIES

Ability to install, repair, and replace district energy system control components as well as to adjust and modify the sequence of control operations to ensure proper system performance.	
Ability to install, repair, and replace digital control components as well as to adjust and modify the sequence of control operations to ensure proper system performance.	
Ability to install, repair, and replace pneumatic control components as well as to adjust and modify the sequence of control operations to ensure proper system performance.	
Ability to troubleshoot, assess, and diagnose complex energy plant electric systems problems.	
Ability to oversee major electrical repair or installation projects and to plan and schedule such projects to ensure successful execution.	
Ability to use building automation systems, such as Johnson Controls Metasys system, to find and troubleshoot complex issues.	

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	Upon Hire	Required	And
	NIULPE 4th Class Certification	Upon Hire	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

WORKING ENVIRONMENT

Working Condition	Never	Rarely	Occasionally	Frequently	Constantly
Atmospheric Conditions					X
Vibration					X

Vision Requirements:
Ability to see information in print and/or electronically.