**Master Utilities Refrigeration Technician Standard Job Description**

**Classification Title:** Master Utilities Refrigeration Technician

**FLSA Exemption Status:** Non-Exempt

**Pay Grade:** 13

**Minimum Pay:** $30.70

**Job Description Summary:**

The Master Utilities Refrigeration Technician, under general supervision, directs and performs preventive, predictive, and corrective maintenance on chillers and equipment associated with chillers and chilled water systems as directed. Takes a leadership role in ensuring that maintenance is executed safely and efficiently and in such a manner as to restore or improve the reliability of the equipment being maintained. Ensures compliance with TAMU Utilities Refrigerant Management Plan and EPA Rules & Regulations.

**Essential Duties and Tasks:**

**40% Equipment Inspection and Repair**

* Performs the inspection, maintenance, and repair on large industrial chillers, steam turbines, chilled water support systems, evaporators, condensers, compressors, and all other associated auxiliary equipment.
* Diagnoses malfunctions through root cause analysis and performs necessary repairs.
* Performs shaft alignments and maintains and replaces bearings, lubricants, packing, and seals.

**20% Leadership and Crew Direction**

* Acts in a leadership capacity and oversees several complex jobs concurrently which may require travel to satellite plants.
* Assists the Supervisor for Plant Refrigeration in scheduling and directing the crew.
* Provides direction to the crew in the absence of the Supervisor.

**10% Maintenance Planning and Parts Management**

* Assists in the preparation of cost estimates, materials requisitions, and manpower requirements for large equipment.
* Locates spare and replacement parts through the maintenance and material management systems.
* Ensures that refrigerant inventories are maintained accurately.

**10% Vibration Analysis and Safety Compliance**

* Accurately acquires and records vibration information on large industrial chillers and support machinery.
* Interprets vibration information and develops corrective action based on that information.  
  Contributes to a safe work environment by reporting accidents and unsafe working conditions.

**20% Duty Title (for the department's use)**

* Remaining Percentage Can Be Determined by Department to Meet Business Needs or Can Be Incorporated into Percentages Above

**Required Education and Experience:**

* High school graduation or any equivalent combination of training and experience.
* Seven years related experience.

**Required Licenses and Certifications:**

* None

**Required Knowledge, Skills, and Abilities:**

* Ability to multitask and work cooperatively with others.
* Basic understanding of root cause analysis methods.
* Knowledge of instrumentation & control systems.

**Machines and Equipment:**

* Computer
* Hand Tools
* Forklift
* Milling Machine and Lathe
* Cranes and Hoists

**Physical Requirements:**

* Ability to climb stairs, ladders, and other terrain.
* Ability to lift and move heavy objects.

**Other Requirements and Factors:**

* None

**Is this role ORP Eligible? If so, it needs to meet the criteria on the** [**Rules and Regulations of the Texas Higher Education Coordinating Board**](https://reportcenter.highered.texas.gov/reports/data/user-friendly-version-of-ch-25/)**.**

**Yes**

**No**

**Does this classification have the ability to work from an alternative work location?**

**Yes**

**No**