**Radiation Effects Facility Operator III Standard Job Description**

**Classification Title:** Radiation Effects Facility Operator III

**FLSA Exemption Status:**Non-Exempt

**Pay Grade:** 11

**Minimum Pay:** $27.65

**Job Description Summary:**

The Radiation Effects Facility Operator III (REFO III) will work collaboratively with Cyclotron staff to deliver beams to REF customers, maintaining a safe and professional environment. Performs in one or more of these critical areas: 1- Responsible for the development/maintenance of major equipment and/or software, 2- Able to train new hires into the group & maintains a Users Handbook, 3- Maintains record keeping of Customer's Safety & Training Reports.

**Essential Duties and Responsibilities:**

**40% Operations and Maintenance of Cyclotron and Accelerator Equipment**

* Operates ion sources, cyclotrons, beam line elements, and REF equipment for customers.
* Tunes the ion source and cyclotron beams as requested by customers.
* Tunes RF on accelerators, makes basic machine adjustments, and peaks beam for experiments.
* Troubleshoots basic beam loss, changes modes, and sets up beamlines.
* Maintains data logs and performs daily lab tasks.
* Operates control systems and starts/stops vacuum systems.
* Performs basic cryogenic system adjustments.
* Monitors RAM systems.
* Assists with interlock checks and technical issues.
* Contributes to the overall maintenance of cyclotron institute equipment.
* Assists in monitoring cyclotron equipment.

**20% Support for REF Projects and Customer Service**

* Assists the REF Line customers with dosimetry software and end-station equipment.
* Contributes to the annual maintenance, repair, and upgrade of REF project equipment.
* Assists with training of new REF personnel.
* Performs in one or more critical areas such as developing or maintaining major equipment and software, maintaining a Users Handbook, and record keeping of
* Customer's Safety & Training Reports.
* Works with engineering staff on facility-related projects.

**10% Troubleshooting and Problem Reporting**

* Troubleshoots and reports problems with accelerator equipment.
* Works with the Accelerator Technician on duty to maintain a safe and efficient work environment.

**10% Miscellaneous Support and Administrative Duties**

* Takes shift work for the REF project, including assisting the Accelerator Technician on duty in monitoring the proper function and safety of the cyclotron facility.
* Assists with interlock checks and technical issues.

**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.

**Qualifications:**

**Required Education:**

* Bachelor’s degree in Physics, Chemistry, Engineering or a closely related field from an accredited college or university, or an equivalent combination of education and experience.

**Required Experience:**

* Six years of related experience

**Required Licenses and Certifications:**

* None

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

* Ability to multitask and work cooperatively with others.

**Additional Information:**

**Machines and Equipment:**

* Computer
* Telephone
* Radiation equipment

**Physical Requirements:**

* Ability to lift and move heavy objects.

**Other Requirements and Factors:**

* This position is security sensitive
* This position requires compliance with state and federal laws/codes and Texas A&M University System/TAMU policies, regulations, rules and procedures
* All tasks and job responsibilities must be performed safely without injury to self or others in compliance with System and University safety requirements

**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**

[x]  **No**

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

[ ]  **Yes**

[x]  **No**