



## **HEALTH PHYSICIST / RADIATION PROTECTION ENGINEER**

Hopewell Designs, Inc. has an exciting opportunity for a Health Physicist. The Health Physicist is responsible for assisting the Radiation Safety Officer (RSO) with duties related to planning, organizing, developing, and managing all aspects of a comprehensive Radiation Safety Program. The Health Physicist assists with regulatory compliance for domestic and international operations, develops and writes procedures, trains staff, performs shielding calculations, prepares project specific radiological safety reviews, and assists with on site work (installations, service, and calibrations).

### ***Duties Include:***

- Assists the RSO with regulatory compliance with the State of Georgia Department of Natural Resources (GA DNR), US Nuclear Regulatory Commission (NRC), and Canadian Nuclear Safety Commission (CNSC) to ensure effective implementation of a radioactive material licensing.
- Assists with authoring and maintaining all US NRC & CNSC Sealed Source & Device Registrations (SSDR) activity, for domestic (NRC) and International regulatory agencies.
- Develops and implements Radiation Safety Program policies and procedures for the safe use and handling of radioactive materials.
- Maintains Radiation Safety Training programs and trains employees.
- Performs shielding analyses for irradiators and shipping casks.
- Provides training and consulting to customers in instrument calibration programs, radiation protection, and quality assurance.
- Develops procedures for radiation work including source loading & transfer.
- Supports radiation work involving transfer of sources.
- Supports integration and installation of irradiator systems.
- Assists RSO with responsibility for shipping and receiving of radioactive material, type A and B quantities.
- Assists RSO with the Dosimetry Program, receives and assigns dosimetry, tracks occupational exposures, completes reports.
- Performs calibration of irradiators and writes/reviews calibration reports.
- Assists RSO with investigations of all incidents and deviations from approved Radiation Safety policies, procedures, and practices to implement corrective actions, as needed.
- Performs other related duties as assigned.
- Domestic and international travel is required.

**Desired Skills & Technical Experience:**

- Bachelor’s Degree in nuclear engineering, nuclear science, nuclear technology, health physics, or related field in natural sciences or engineering; or equivalent experience in the nuclear field or health physics.
- 5-10 years’ experience in the nuclear industry, performing health physics related work such as radiation surveys, instrument calibrations, and radiation shielding calculations.
  - Preferred experience engaging with regulatory authorities.
- Technical knowledge of radiation protection, understands units of exposure, dose, and activity.
- Ability to comprehend and apply federal, state and local ionizing radiation regulations, with knowledge of federal, state, and local regulations governing the use of radioactive materials.
- Ability to develop and work with recordkeeping and data management systems and related software applications.
- Ability to establish policies and procedures prepare and interpret technical reports, and maintain required records.
- Ability to establish and maintain effective working relationships with key administrative and professional personnel, as well as external agencies.
- Experience working with radiation detection instruments and/or dosimetry.
- Previous experience working with sealed sources and/or radiation generating devices (irradiators, x-ray systems, linear accelerators), is a plus.
- Previous experience in shipping and receiving of Type A and Type B quantities of radioactive materials is desirable.
- Strong verbal and written communication skills.
- Ability to work cooperatively with others and demonstrates professional, ethical, respectful, and courteous behavior when interacting with others.
- Advanced computer skills: MS Office, spreadsheets, data analytics, and presentations.
- Experience with radiation shielding calculations (MircoShield, MCNP, monte carlo code, etc) is a plus.
- Strong hands-on skills and mechanical aptitude.
- Exceptional customer service skills.
- Previous experience working under a quality assurance program.

**Background on Hopewell Designs, Inc.**

Founded in 1994, Hopewell Designs is the national leader in manufacturing Automated Irradiator Calibration Equipment and supplies quality equipment world-wide for the nuclear industry. We also manufacture a broad range of Shielding and Storage products for the nuclear power, oil well logging, and medical industries.

Our customers include Department of Energy (DoE) laboratories, Department of Defense (DoD) facilities, the National Institute of Standards and Technology (NIST), Nuclear Power Plants, University Research Laboratories, private industries, and Calibration Facilities.

To learn more about Hopewell Designs, please visit [www.hopewelldesigns.com](http://www.hopewelldesigns.com). We have a great work environment where innovation and creativity are rewarded and where hard work leads to growth and responsibility. If you are looking for a great place to work where you will be challenged to be your best, send us your resume.

Qualified applicants: forward your resume with salary history by email to [careers@hopewelldesigns.com](mailto:careers@hopewelldesigns.com).

Company:	Hopewell Designs, Inc.	Location:	Alpharetta, GA 30004 (non-remote)
Salary/Wage:	Based on Experience	Status:	Full Time, W-2 Employee
Job Category:	Health Physicist	Relevant Work Experience:	5-10 Years
Career Level:	Professional	Education Level:	Bachelor's Degree; or equivalent experience