

## *Health Physicist, Site Radiation Safety Officer (SRSO)*

TerranearPMC, LLC (TPMC) is seeking an experienced, knowledgeable & career focused Health Physicist (HP) to serve as the SRSO as part of our nationwide radiological and nuclear services team, at the DuPont Chambers Worksite (DCWS).

- The DCWS is approximately 640 acres located on the eastern shore of the Delaware river and has been an operating chemical manufacturing complex for more than a century.
- The DuPont Corporation was engaged by the US Government to support to the Manhattan Engineering District Project (MED). DCWS processed uranium metal compounds from 1942 through 1947. The U.S. Army Corps of Engineers (USACE) is conducting assessment, remedial action, and site closure activities.
- The cleanup involves excavating impacted soil and transporting offsite by rail to permitted treatment and disposal facilities, specifically designed for the safe disposal of radiological materials.

The SRSO is responsible for:

Implementing the DCWS Radiation Protection Plan (RPP), project Final Status Survey Plan (FSSP), and the contract requirements of the DCWS FUSRAP Site Record of Decision (ROD) and applicable sections of 29 CFR 1910.1096, 10 CFR 20, EM 385-1-1, and EM 385-80-1.

Additionally, the SRSO develops and implements the necessary programmatic requirements to ensure that radiological operations are performed in a manner to protect the health and safety of all employees, other on-site contractors and the general public.

Implements the radiation protection program at the various project work areas. Develops, approves and implements Hazardous Work Permits (HWPs) including selecting protective clothing for radiological work.

Responsible for the execution of the FSSP and project Data Quality Objectives (DQO).

### **Duties Include:**

- Daily interactions with all levels of personnel and management internal and external to the project to provide health physics support as needed.
- Continues to evaluate and provide Health Physics/Industrial Hygiene/Industrial Safety recommendations and safety procedures and designs for personnel, facilities, and equipment, in a dynamic remediation environment.
- Oversight and management of the on-site gamma spectroscopy and alpha- beta radioanalytical laboratory. Ensuring the analytical data complies with DCWS project DQOs and meets RPP and FSSP requirements. (The on-site laboratory has collected, processed and analyzed over 13,400 samples by gamma spectroscopy over the past four years).

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- Selecting and Supervising Project Radiation Protection Personnel and ensuring assigned project tasks are completed and commensurate with their training and experience.
- Ensuring adequate radiation safety training is provided to all project personnel and maintaining documentation.
- Prepare, implement, maintain, and document the radiological respiratory protection program. Reviews and update as necessary.
- Arranging maintenance and calibration service and maintaining associated records for radiation survey instruments.
- Ensures that all required radiological monitoring is performed and documented.
- Ensures that occupational monitoring is provided for workers who may encounter radiologically contaminated material.
- Issuing dosimetry devices and maintaining personnel dosimetry records.
- Performs periodic safety and quality reviews and monitoring activities of project operations to ensure compliance with the Radiation Safety Program and performance issues are identified, corrected and communicated in a timely fashion
- Reviews planned site activities and implements safety procedures with emphasis on hazard elimination where practical to ensure safe performance and completion of the work.
- Stops work when necessary to maintain a safe radiological and industrial work area.
- Maintains project records of radiological surveys, evaluations and exposure.
- Investigate accidents/incidents, makes recommendations to prevent reoccurrence, and provide emergency response support to incidents on site.
- Prepares DCWS FUSRAP Daily Chemical and Radiological Quality Control Reports of each day's activities. Prepares documents and performs briefings for US Army Corps as required.
- Conduct facility and operations inspections to identify and evaluate potential hazards and provide guidance for analyzing such hazards in the future.
- Uses MARSSIM guidance to ensure survey design complies with cleanup ROD and FSS requirements
- Applies UFP-QAPP guidance for data collection and assessment activities
- Utilize Sodium Iodide (NaI) and High Purity Germanium (HPGE) detectors for surface (6") and subsurface (to 30' bgs) characterization by gamma spectroscopy to identify potential areas of interest and discriminate between MED material and NORM.

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- Site characterization and modeling that incorporates Geographic Information System (GIS) technology to integrate all project radiological data, Global Positions System, Orthoimagery, LIDAR, QA/QC, and historical records using ESRI tools to connect mapping, radiological data collection, descriptive information and analytical results to generate a three dimensional data projection including historical and current conditions to allow efficient communications and the understanding of patterns, and relationships to support better management and decision making by developing a near real-time site status.

With TPMC, the selected candidate will leverage career hands-on experience and “HP know-how” to solve our client's toughest radiological challenges and deliver the highest quality work products on schedule and within budgetary constraints.

### **Minimum Qualifications**

- 10+ years of directly related HP work experience; field-experience valued
- Qualification as a Radiological Controls Technician 3-5 (ANSI 3.1 equivalent)
- Ability to meet fitness-for-duty (drug & alcohol testing), medical, respirator use, background screening, training, driving records, strength/dexterity, and other requirements necessary for complete job performance
- Willingness to travel (some) to client work locations throughout the US for finite/indefinite duration assignments including remedial construction/HTRW sites
- Ability to meet or exceed Company safety & health, quality, and performance objectives established by Senior Management

### **Desired Qualifications**

- B.S. Degree in Health Physics/Radiation Protection Technology or equivalent or; active registration with the National Registry of Radiation Protection Technologists (NRRPT)
- Past designation as RSO, Assistant RSO, or Authorized User on an NRC or Agreement State radioactive material license (NRC & CA preferred)
- Directly related work experience at sites within US (i.e., DOD including FUSRAP, DOE-EM, DOE-NNSA, NPP decommissioning)
- Specific formal training or experience in application of consensus guidance (e.g., MARSSIM, MARSAME, MARLAP) to develop & oversee implementation of radiological survey work plans
- Experience using Microsoft Office™ applications; HP computer codes (Microshield, RESRAD, RESRAD-Build, etc.) and spectroscopic system software (Genie2K, GammaVision, ANGLE, MGAU, LACE, ISOCS, LABSOCS, etc.)
- Experience collecting position correlated measurements and using GIS to evaluate and present radiological results data

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**Benefits and Other Information**

- This is a salaried exempt position with negotiable annual salary terms.
- Hourly, non-exempt, will be considered if contractual agreements permit.
- Position and Grade will be determined by evaluation of education and directly applicable experience against current/future opportunities.
- The selected candidate will work under the limited supervision of the Corporate RSO/HP Group Manager and perform additional duties, as directed.
- Travel to temporary work sites inside the Mid-Atlantic will be an essential expectation of the selected candidate.
- The selected candidate will normally report during normal Company business hours to our Exton, PA office location.
- Alternate work schedules and telework agreements may be considered for the ideal candidate.
- In addition to base pay, TPMC currently offers a comprehensive benefits package including 401K with employer matching; excellent medical, dental, vision, life, and disability insurance; support for continuing professional development; and bonuses (based on company performance).
- Employees also enjoy friendly and professional work environments.
- Pre-employment drug and background screening are required for all positions.
- Forward resume and cover letter expressing interest in this position to [hr@terranearpmc.com](mailto:hr@terranearpmc.com).
- TerranearPMC, LLC (TPMC) participates in e-Verify and is an EOE, all qualified applicants receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status or any other characteristic protected by law.

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