

D062-11

REYNOLDS ELECTRICAL & ENGINEERING CO., INC.

Position Title: Environmental Analyst

Job Code: ~~002230~~ 002230

Date Prepared: April 1, 1982

Summary Statement: The incumbent assists in the environmental surveillance program and technical functions related to applied radiation protection activities.

Dimensions: The incumbent has contributory impact upon the operating budget of the Laboratory Operations Director. The incumbent does not have direct supervisory responsibility. The Environmental Analyst reports to the Laboratory Operations Director, Environmental Sciences Department Manager, or to the Project Manager.

Nature and Scope: The incumbent supervises Monitors in the collection and handling of a variety of environmental samples; produces, interprets, and assists with evaluation of environmental radioactive data in preparation of a variety of technical reports; interprets sample results on a spacial and time series basis with regards to established limits; maintains up-to-date tabular and graphic records of contamination levels to provide visual trends for immediate utility as well as long-range, permanent documentation; provides statistical treatment of all data for correlation purposes; evaluates NTS areas in terms of possible sample station location and potential value; coordinates with field monitoring groups when decontamination services are required and with radiochemistry and counting personnel regarding sample status; evaluates collection and preparation techniques and strives to improve them in order to prevent cross-contamination of samples; reviews sample analysis results to determine ambient and unnatural gross activity values and specific contributing isotopes and to compare fluctuations in radiological conditions in specific locations to those recommended by the Federal Radiation Council as a threshold of concern; selects sample collection locations giving consideration to such factors as uniform coverage of site, populated areas, testing activities, electrical power, and ease of access; directs monitor maintenance of equipment such as air samplers; insures that activities are conducted in a safe manner and that cost-find information is handled according to appropriate security regulations; aids in the setup of the fallout library; evaluates personnel and recommends personnel actions; adheres to safety and security rules and regulations; promotes the Company's EEO and affirmative action programs; and performs related work as required.

Principal Contacts: The incumbent has continual contacts with all levels in the department to obtain decontamination, dosimetry procedures, cutting, and radiochemical analysis assistance and frequent contacts with officials outside the Company in providing periodic reports on radioactivity and for comparing release levels with other nuclear installations.

ENVIRONMENTAL ANALYST

Working Conditions: The incumbent works in general office conditions the majority of the time; approximately 15% of the time is spent in the field where the incumbent is exposed to various levels of radiation.

ENVIRONMENTAL ANALYST

Date Prepared: April 1, 1982

Desirable Work Experience: None.

Desired Training: A bachelor's degree in environmental or biological sciences, or equivalent experience.

Other Special Qualifications: None.