

Specification for Class of

NUCLEAR WASTE PROGRAM SPECIALIST

**Abolished 9/15/06**

Definition: Within the Department of Ecology's Office of High-Level Nuclear Waste Management, serves as the designated program specialist and technical advisor for a program area such as: geohydrologic research, geologic research, site representation, policy analysis, radiation health physics or program liaison.

Typical Work

Reviews, analyzes and comments on Federal U.S. Department of Energy, other Federal agencies, contractors or interested party documents related to high-level nuclear waste and the siting of a high-level nuclear waste repository at Hanford, Washington; focuses analyses in specialty area;

Performs original research in specialty area, such as radiation health physics, by utilizing advanced statistical, physiological and instrumental techniques to predict risks and impacts on environmental health and safety; or in geohydrology by utilizing advanced computer codes describing deep groundwater flow in fractured media based on multidimensional, multivariate models;

Prepares and presents technical reports to management of the Office of High-Level Nuclear Waste and the State of Washington Nuclear Waste Board;

Notifies State officials of matters that should be brought to the attention of the Legislature or executive office;

Develops recommendations for State positions on technical issues related to site characterization;

Attends Congressional hearings on high-level nuclear waste subjects and reports to appropriate State officials; briefs staff of State of Washington's Congressional delegation on State activities and concerns;

Serves as in-house consultant to interdisciplinary activities of the Office of High-Level Nuclear Waste and to other State agencies;

Observes and reports on field tests and experiments conducted at the Hanford Reservation and surrounding areas;

Plans and writes specifications for contract research; guides, coordinates and evaluates the work of senior scientists and engineers;

Prepares and conducts informational presentations, workshops and seminars in specialty area to a variety of audiences;

Performs other work as required.

#### Knowledge and Abilities

Knowledge of: high-level nuclear waste program State/Federal laws, standards and procedures applicable to repository licensing; physical sciences, mathematics, statistics, thermo-dynamics and environmental/life sciences and technical aspects of characterizing a site on the Hanford Reservation for a deep geologic repository for high-level nuclear waste.

Ability to: use mature scientific judgment to quickly and accurately identify errors or omissions in research reports; prepare and defend written and oral technical positions for use in testimony and adversarial proceedings; participate and report in an unbiased manner on events ranging from planning meetings to on-site physical testing; express self in written and oral communication with a demonstrated ability to express the significance of abstract theoretical concepts to an informed nontechnical audience.

#### Minimum Qualifications

A Master's degree.

#### AND

Two years of professional experience.

A Ph.D. degree may substitute for one year of required experience.

Qualifying experience may substitute, year for year, for Master's degree provided a Bachelor's degree has been achieved.

NUCLEAR WASTE PROGRAM SPECIALIST

62870

Note: Selective certification for specific education and experience may be required to meet specialized position needs.

New class

Effective December 13, 1985