POSITION TITLE: RADIOLOGICAL OCEANOGRAPHIC PHYSICAL CHEMIST

DUTIES:

Qualified candidate will provide technical support to special work for others (WFO) surface water and coastal marine radionuclide transport and collection program. Provide physical oceanographic advice to coastal transport modeling programs. Assist in setting up new advanced radionuclide concentrator fabrication and testing laboratory based on original facility presently no longer available. Mentor inexperienced technical personnel on radionuclide isotopes and isotopic ratio interpretation. Although the majority of the work will be located at SRNL, the candidate shall travel as necessary to support the surface water and coastal marine WFO program sponsor.

REQUIRED QUALIFICATIONS:

Candidate must have an indepth knowledge of coastal water transport and insitu radionuclide concentrator technology. The candidate must also have extensive expertise in the research and development of unique ion exchange aqueous concentrators. Strong knowledge of isotopic radionuclides, their transport in the environment and their relationship to nuclear related operations is a must.

EDUCATION:

PhD in Oceanography

EXPERIENCE / SKILLS:

Candidate must have at least 20 years experience in the transport of radionuclides in coastal waters and river systems. Candidate must have extensive experience in the development and fabrication techniques of radionuclide concentrators. Candidate should be a senior recognized expert in radionuclide transport, detection and collection in coastal waters.

WORK SCHEDULE:

The candidate will be available as required on the average of 40 hours per week. The candidate will be expected to be available during special WFO sponsor operations. Candidate will be expected to attend quarterly offsite meetings.

SECURITY REQUIREMENTS:

Candidate must have a DOE "Q" security clearance. Candidate must also have held Special SCI security clearances and be able to be reinstated.