

Classification: Hydrogeologist - Entry

Work Title: Remediation and Redevelopment Hydrogeologist

Work Location: Southeast Region

POSITION SUMMARY: This is a technical position in which the incumbent must have solid knowledge of geology and hydrogeology, well hydraulics, chemistry, soil science, environmental cleanups, and biological processes in subsurface soil and groundwater environments. This position supports regional coordination of a major environmental program that affects other DNR programs, State agencies, local communities, and the public. Specifically, this involves providing technical advice and recommendations to management, co-workers, senior staff, and Central Office. The primary duty and responsibility of this position is to support and provide recommendations to the Remediation and Redevelopment (RR) Program at the regional level. Job duties include gathering data on potentially contaminated sites, analyzing and interpreting site data, applying State regulations and standards to cleanup efforts, and processing the submittals of documentation completed for all stages of a project. This position is supervised by the Southeast Region RR Team Supervisor for work assignments.

GEOGRAPHIC RESPONSIBILITIES & TRAVEL REQUIREMENTS: This position works for the RR Program in the Southeast Region. The position will have responsibility for sites with environmental contamination in assigned geographic areas throughout the Region. The position will also participate in regional and statewide RR Program meetings and activities and may serve on Regional or Statewide standing or ad-hoc teams. Travel to sites throughout the Region and occasional attendance at night meetings will be expected, as will infrequent statewide travel.

SCOPE OF AUTHORITY: This position reports to and is supervised by the Southeast Region RR Team Supervisor and has responsibility for providing technical assistance to consultants and responsible parties for assigned sites. The position works under close to progressively limited supervision as experience and ability dictate. This position will perform work that supports senior RR staff. This position is not a lead worker.

Goals & Activities:

- 50% A. Project Management**
- A1. Evaluate and provide geologic and hydrogeologic review, interpretation and response to reports submitted for simple and complex environmental investigations and proposed remediation at Environmental Repair, Dry Cleaner, Superfund, and Spill sites where releases of hazardous substances have occurred.
 - A2. Provide technical review and opinions of special requests, such as waste characterization and approval of requests for exemptions to build on abandoned landfill sites.
 - A3. With supervision by senior staff, act as the state project manager in working with responsible parties, consultants, legal counsel and other impacted property owners outlining their responsibilities and providing general direction and advice on application of DNR rules and regulations governing investigations and remediations.
 - A4. Review proposed workplans and scopes of work to ensure they are technically acceptable and sufficient to define the degree and extent of contamination. Provide recommendations to senior staff.
 - A5. Provide technical advice and direction following review of technical reports and submittals describing the extent of environmental contamination and potential remedial options.
 - A6. Support reviews of remedial assessments and subsequent oversight and assistance during the construction and implementation of the remedy.
 - A7. Assist and promote new/innovative and scientifically sound approaches for the investigation and remediation of contaminated sites.
 - A8. Assist with moving the investigation and cleanup activities forward in a timely fashion to a point of closure consistent with DNR rules and regulations and take appropriate enforcement action when necessary.
 - A9. Provide technical geologic and hydrogeologic input for enforcement cases.

- A10. Evaluate the accuracy, quality and completeness of the technical data, and of the site recommendations.
 - A11. Provide closure review, including making closure recommendations, preparing closure forms, and documentation.
 - A12. Prepare letters and closure recommendations, referencing appropriate administrative code and/or DNR policy.
 - A13. Document and track all incoming reports, submittals and correspondence pertaining to site activities and ensure data is properly entered into the program's tracking systems, BRRTS and the GIS Registry, on a regular basis.
- 15% B. Regional Backup Spills Response**
- B1. Provide assistance as regional backup for spill and abandoned container response during periods of absence of the primary Spill Coordinator or periods of high volume of spill occurrences.
 - B2. Update and manage spills using the SERTS database.
 - B3. Represent the region during Spill Team calls and/or meetings when the Spill Coordinator is unavailable.
 - B4. Respond to environmental emergencies including spills as directed by the Team Supervisor or Spill Coordinator.
 - B5. Report back to regional spill staff any new or changing information of which they need to be aware. Keep supervisor, regional, bureau, office of communications, other program staff, and agencies informed, as appropriate.
 - B6. Serve as an after-hours on call statewide spills coordinator.
- 15% C. Technical Assistance**
- C1. Consult with and provide technical assistance to senior RR staff, the public, consultants, industry representatives, other State agency staff and internal DNR staff.
 - C2. Offer guidance and criteria in the areas of field investigation, laboratory testing, data evaluation, monitoring well placement and construction, groundwater sampling, etc.
- 10% D. Brownfield Redevelopment**
- D1. Assist in outreach efforts to educate the public and other interested parties on brownfield redevelopment tools and opportunities.
 - D2. Identify potential brownfield redevelopment sites and work with local units of government, local officials, developers and the public to provide assistance on the tools available under the Brownfields program.
 - D3. Work with regional Brownfield Outreach staff to communicate this information to groups and attend, as requested, consultant workshops, association meetings and trade association conferences.
 - D4. Participate in Green Team meetings, as directed.
- 5% E. State-funded remedial investigations and cleanups**
- E1. Assist senior staff with State-funded remedial investigations and cleanups.
 - E2. Develop a scope of work for the project, identifying project tasks and expected outcomes.
 - E3. Make recommendations regarding consultant proposals and selection to further develop and complete the project.
 - E4. Provide oversight and technical direction to DNR contractor to ensure field work is properly conducted, that all reports are written and submitted on time, and that the data collected is properly evaluated within submitted reports.
 - E5. Process and approve or deny all billings and change order requests and, at end of project work, complete contractor evaluations.
- 5% F. Organizational Responsiveness**
- F1. Review and keep abreast of changes in knowledge and practices of position-related activities in responsibilities.

- F2. Participate in job-related training and organizational meetings as assigned by supervisor.
- F3. Prepare forms and reports as necessary for personnel and budget accounting purposes in a timely manner.
- F4. Perform other position-related duties as assigned.
- F5. Follow all general and position-related safety requirements.

Decision Making: Able to analyze situations fully and accurately to reach productive decisions. Consults appropriate parties when necessary and identifies the key concerns and/or issues that need to be addressed in order to make the best decision possible, at the correct level of the decision hierarchy. The desired outcomes for this competency are excellence and credibility in decisions made.

Service Excellence: Makes customer service a top priority and constantly seeks to improve customer service. Is responsive to changes in what customers want and need. Delivers on promises made to customers and follows up appropriately. The desired outcome for this competency is a strong connection to our customers.

Effective Communication: Able to express ideas in a clear, concise and effective manner, whether speaking or in writing. Uses correct grammar and sentence structure in communications. Is a good listener, even when differing viewpoints are expressed. Openly shares information and keeps all relevant parties updated. The desired outcomes for this competency are a shared mind set and pool of meaning.

Interpersonal Relationships: Builds and maintains effective working relationships with others both internally and outside the organization; takes a positive and productive approach to resolving any conflicts which may arise. Exemplifies the commitment to the DNR's core value of respect; to work with people, to understand each other's views and to carry out the public will, maintain integrity, and treat everyone with fairness, compassion and dignity. The desired outcome for this competency is strategic unity built on trust.

Leadership: Fosters and encourages support from his/her team to accomplish objectives, follow procedures, and accepts suggestions; inspires confidence and respect; motivates people to achieve agency goals and objectives; promotes respect, honesty, integrity, and fairness to all. Enforces standards/rules fairly and consistently and leads with courage. The desired outcomes for this competency are accountability through ownership of the work, staff alignment with the agency direction, and full engagement of all employees.

KNOWLEDGE, SKILLS AND ABILITIES

1. Knowledge of geology, hydrology, soil science, and vapor intrusion, including soil morphology, mechanics, chemistry and classification.
2. Knowledge of hydrogeologic and chemical principles controlling the fate and transport of contaminants in the environment from spills and/or unauthorized disposal of hazardous substances and wastes.
3. Knowledge of well and groundwater hydraulics.
4. Knowledge of environmental monitoring, sampling techniques and groundwater quality standards.
5. Knowledge of hydrogeologic and applicable engineering concepts relating to the investigation and cleanup of contamination incidents, spills and/or unauthorized disposal of waste.
6. Knowledge of hazardous substance spill laws, codes, regulations, policies and guidance and their applicability to hazardous substance discharges and/or unauthorized disposal of wastes.
7. Knowledge of cleanup requirements in NR 700 WAC series.
8. Knowledge of RR Program processes, policies and procedures.
9. Knowledge of environmental enforcement process and procedures from NON to Referral to DOJ.
10. Ability to use hydrogeologic and engineering concepts to recommend or require action at cleanup sites.
11. Knowledge of cross program, multi-agency and other regulatory requirements.
12. Ability to understand a complex situation, issue, or problem by breaking it down into smaller pieces and traces implications or consequences.

13. Ability to work well independently and is self-motivated to take action to meet critical organizational/program/unit goals.
14. Ability to demonstrate personal integrity and high ethical standards in all transactions.
15. Ability to convey poise, clarity and self-control in stressful, ambiguous and emotionally-demanding situations.
16. Ability to present a good professional image through dress, speech and actions with a demeanor that inspires confidence in the individual and the organization.
17. Ability to employ analytical abilities, pragmatism and other tools to resolve complex problems in a variety of situations.
18. Ability to work cooperatively with others toward accomplishment of a shared goal.

PHYSICAL REQUIREMENTS & ENVIRONMENTAL FACTORS:

Strength Requirements: Sedentary work (exerting up to 10 pounds of force or more occasionally and/or a negligible amount of force frequently) occurs 75% of the time; field sampling work (A.10) with light (20 pounds) to heavy (50 pounds) less than 25% over a year's time.

Physical Activity Requirements: This position will spend up to 75% of the time indoors doing sedentary (office) work. The remaining time may require outdoor work with extreme cold/heat and can require kneeling, crouching, climbing, carrying, lifting and reaching.

Equipment Used: Office equipment; hand tools; GPS/navigation equipment; small power tools; electronic equipment/radios; monitoring and sampling devices.

Telework: Telework is available according to current department rules for this position.