

Classification: Hydrogeologist - Entry

Work Title: Remediation and Redevelopment Hydrogeologist

Work Location: DNR Northern Region, Ladysmith, Spooner or Superior office

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 clean-ups, and biological processes in subsurface soil and groundwater environments. This position supports regional coordination of a major environmental program that affects other Department 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 clean-up efforts, and processing the submittals of documentation completed for all stages of a project. This position is supervised by the Northern Region RR Team Supervisor for work assignments.

GEOGRAPHIC RESPONSIBILITIES & TRAVEL REQUIREMENTS: This position works for the NOR RR Program in either the Ladysmith, Spooner or Superior office. 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 Northern Region RR Team Supervisor and has responsibility for providing technical assistance to consultants and responsible parties for assigned sites. This position will perform work that supports senior RR staff. This position is not a lead worker.

Goals & Activities:

- 45% A. Project Management**
- A1. Provide geologic, hydrogeologic and vapor intrusion review, interpretation and response to reports submitted for environmental investigations and proposed remedial actions at sites where discharges 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 assistance from 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 department 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 clean-up activities forward in a timely fashion to a point of closure consistent with department rules and regulations and take appropriate enforcement action when necessary.
 - A9. Provide technical input to and expert geologic and hydrogeologic testimony 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 recommendations for closure or denial of closure, referencing appropriate administrative code and/or department policy.
 - A13. Document and track on a regular basis all incoming reports, submittals and correspondence pertaining to site activities and ensure data is properly entered into the program's case tracking database systems, Bureau for Remediation and Redevelopment Tracking System (BRRTS) and the RR Sites Map.
 - A14. Coordinate approvals with the regional or state Petroleum Environmental Cleanup Fund Act (PECFA) expert for all cost approvals and work requirements for PECFA-eligible remediation sites.
 - A15. Respond to environmental emergencies including spills and abandoned containers as directed by the Team Supervisor or Spill Coordinator. Provide technical assistance to first responders on environmental assessment and restoration questions. Report back to regional spill staff any new or changing information they need to be aware of. Report back to regional spill staff any new or changing information they need to be aware of. Keep supervisor, regional, bureau, office of communications, other program staff, and agencies informed, as appropriate.
- 25% B. Brownfield Redevelopment**
- B1. Assist in outreach efforts to educate the public and other interested parties on Brownfield redevelopment tools and opportunities.
 - B2. 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 Brownfield program.
 - B3. Work with Regional Brownfield Outreach staff to communicate this information to groups and attend, as requested, consultant workshops, association meetings and trade association conferences.
 - B4. Participate in Green Team meetings, as directed.
- 10% C. State-funded remedial investigations and clean-ups**
- C1. Assist senior staff with State-funded remedial investigations and clean ups.
 - C2. Develop a scope of work for the project, identifying project tasks and expected outcomes.
 - C3. Make recommendations regarding consultant proposals and selection to further develop and complete the project.
 - C4. Provide oversight and technical direction to department 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.
 - C5. Process and approve or deny all billings and change order requests and, at end of project work, complete contractor evaluations.
- 15% D. Technical Assistance**
- D1. Consult with and provide technical assistance to senior RR staff, the public, consultants, industry representatives, other State agency staff and internal DNR staff.
 - D2. Offer guidance and criteria in the areas of field investigation, laboratory testing, data evaluation, monitoring well placement and construction, groundwater sampling, etc.
- 5% E. Organizational Responsiveness**
- E1. Review and keep abreast of changes in knowledge and practices of position-related activities in responsibilities.
 - E2. Participate in job-related training and organizational meetings as assigned by supervisor.
 - E3. Prepare forms and reports as necessary for personnel and budget accounting purposes in a timely manner.
 - E4. Perform other position-related duties as assigned.
 - E5. Follow all general and position-related safety requirements.

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 clean-up 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 clean up 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 utilize hydrogeologic and engineering concepts to recommend or require action at clean-up 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 not a viable option for this position.