



STATE OF NORTH CAROLINA
invites applications for the position of:
**Asst. Dam Safety
Engineer I**

JOB CLASS TITLE: Engineer I

POSITION NUMBER: 65026568

DEPARTMENT: Dept of Environmental Quality

DIVISION/SECTION: Energy, Mineral & Land Resources

SALARY RANGE: \$48,051.00 - \$86,431.00 Annually

RECRUITMENT RANGE: \$48,051 - \$55,080

SALARY GRADE / SALARY GRADE EQUIVALENT: GN13

COMPETENCY LEVEL: Not Applicable

APPOINTMENT TYPE: Permanent Full-Time

WORK LOCATION: Wake County

OPENING DATE: 03/26/19

CLOSING DATE: 04/09/19 5:00 PM Eastern Time

DESCRIPTION OF WORK:

Salary Grade: GN13

Recruitment Range: \$48,051 - \$55,080

DEPARTMENT INFORMATION

The N.C. Department of Environmental Quality's (DEQ) primary mission is to protect North Carolina's environment and natural resources. In executing this mission, DEQ operates with the broad-based understanding that the following three fundamental principles are integral components of its protective mandate: Fundamental Philosophy, Fundamental Economics, and Fundamental Science. Ultimately, a collaborative stewardship among the citizens, government regulators, and the business community will maintain and enhance North Carolina's environment and natural resources for the benefit and enjoyment of everyone living in or visiting our great state. To learn more about the Department of Environmental Quality please visit our website at <http://deq.nc.gov/>.

DIVISION INFORMATION

The Division of Energy, Mineral and Land Resources (DEMLR) is comprised of two Sections: Land Quality and Geological Survey.

- The Land Quality Section is responsible for the administration of FOUR regulatory programs: Dam Safety Program as authorized by the Dam Safety of 1967, Mining

Program as authorized by the Mining Act of 1971, Sediment Program as authorized by the Sedimentation Pollution Control Act of 1973 and Stormwater Program as authorized by state statutes and the federal Clean Water Act. DEMLR collects permit fees and issues permits for mines, dams, sedimentation control for construction sites, and stormwater permits for various activities and refers enforcement cases to the Attorney General's Office. DEMLR is responsible for scheduling, organizing and transcribing minutes of the Mining Committee of the North Carolina Mining and Energy Commission and the Sedimentation Control Commission as well as reporting to the Environmental Management Commission regarding dam safety and stormwater matters.

- The N.C. Geological Survey (NCGS) Section's mission is to provide unbiased and technically accurate applied earth science scientific information to address societal needs. This includes geologic maps, mineral resource and geochemical information, topographic maps and digital products, and earth science education initiatives. The NCGS "...examines, surveys, and maps the geology, mineral resources, and topography of the state" and encourages the wise conservation and use of geologic resources by industry, commerce, agriculture and government agencies for the general welfare of the citizens of North Carolina. The results of the NCGS research are documented in Bulletins, Open File Reports, Information Circulars, Special Publications, and Geologic Map Series. The NCGS along with DEMLR provide staff to the Oil and Gas Commission.

PRIMARY RESPONSIBILITIES OF POSITION

This position will be responsible for tracking correspondence by database maintenance, spreadsheets, and tables, related to all Duke Energy coal ash dam safety matters within the state to ensure enforcement follow up and compliance with applicable North Carolina Administrative Code; performing review of plans, design reports, and specifications to construct, repair, modify, breach, or remove coal ash dams. The Dam Safety Law requires that engineering plans, design reports, and specifications be submitted by a North Carolina registered professional engineer (PE) and approved by this DEMLR before dam construction, repair, modification, breach, or removal can begin. The review consists of hydrologic, hydraulic, geotechnical and structural engineering evaluation of the submittals to ensure that sound dam safety engineering principles and the design requirements of the Dam Safety Law and regulations have been met. The results of the review are discussed with the submitting design engineer and documented in writing for the State Dam Safety Engineer along with recommendations for approval; Training regional office staff in dam safety inspections and assisting in the inspection of coal ash dams throughout the State at the direction of the State Dam Safety Engineer and at the request of the regional offices. The inspections are made with regional office personnel, dam owners and/or engineers when the dams have problems, need enforcement action, require additional expertise and judgment, and during their periodic inspection cycle. Surveys, measurements, and detailed engineering notes are made as well as photos are taken and reports are written during inspections. Recommendations may be made directly to the interested parties, or may be made to the State Dam Safety Engineer or to the regional offices for further action; Assisting coal ash pond dam owners in drafting emergency action plans (EAPs) for intermediate or high hazard category coal ash pond dams. The Assistant State Dam Safety Engineer performs hydraulic dam break analysis for dams to determine the extent of downstream damage if a dam should fail and who should be warned and/or evacuated if failure appears imminent; and Responding to dam safety emergencies. The Assistant State Dam Safety Engineer works with the State Dam Safety Engineer and substitutes in the absence of the State Dam Safety Engineer to coordinate emergency actions in the event of pending dam failure related to coal ash ponds and to take actions required in the event of pending dam failure. The Assistant State Dam Safety Engineer is also a member of the State Emergency Response Team (SERT) and serves as an advisor during proclaimed emergency situations, such as hurricanes.

KNOWLEDGE, SKILLS AND ABILITIES / COMPETENCIES:

****To receive credit for your work history and credentials, you must list the information on the application form. Any information omitted from the application form will not be considered for qualifying credit. Information listed under the text resume section or on an attachment will not be considered for qualifying credit.****

Qualified applicants must possess and the application must clearly reflect work experience that demonstrates the following:

1. Basic knowledge and understanding of concepts, practices, and theories used in the engineering specialty area and the ability to use it in practice.
2. Ability to prepare/review small or less complex engineering/technical plans and/or data for completeness, compatibility, compliance with engineering principles, standards, codes and design needs; ability to make recommendations to higher level engineers or managers on project concerns/issues.
3. Ability to make recommendations to approve routine engineering/technical designs and/or program/project specifications of other engineers to meet desired compliance with engineering principles, standards, codes, designs and statutes.
4. Ability to write clear, concise and organized documents and reports addressing basic engineering concepts and facts.
5. Ability to perform inspections/audits to ensure that proper procedures are followed.
6. Ability to communicate orally and in documents clearly, concisely and organized manner reports addressing moderately complex engineering concepts and facts.

MINIMUM EDUCATION AND EXPERIENCE REQUIREMENTS:

Bachelor's degree in an applicable field of engineering from an appropriately accredited institution; or an equivalent combination of education and experience.

SUPPLEMENTAL AND CONTACT INFORMATION:

To apply for this position, please click APPLY link above. Resumes are not accepted in lieu of state application. "SEE ATTACHED RESUME" WILL RESULT IN AN INCOMPLETE APPLICATION. To receive credit, all relevant experience must be included in the work history section of the application.

To be minimally qualified for this position, an applicant must possess the Minimum Education and Experience Requirements AND all the Knowledge, Skills and Abilities/Competencies listed. It is important that all relevant education and work experience is documented on the application and that all questions associated with the application are answered completely.

Any information omitted from the application but included in the resume will not be considered for qualifying credit. If multiple applications are submitted to an individual posting, only the most recent application received prior to the posting date will be accepted.

Please upload a copy of college transcripts, if applicable or submit to the address noted below by 5:00 PM on the closing date to be considered. All degrees must be from an appropriately accredited institution.

Persons eligible for veteran's preference must submit a copy of Form DD-214.

The Department of Environmental Quality (DEQ) uses the Merit-Based Recruitment and Selection Plan to fill positions subject to the State Personnel Act with the most qualified applicants. When a hiring range is posted, the actual salary will be based on relevant competencies, knowledge, skills and abilities, internal equity, and budgetary considerations pertinent to the advertised position.

The State of North Carolina is an Equal Employment Opportunity Employer.

Learn more about the Division of Energy, Mineral and Land Resources (DEMLR) by visiting <http://deq.nc.gov/about/divisions/energy-mineral-land-resources>.

Due to the volume of applications received, we are unable to provide information regarding the status of your application over the phone. To check the status of your application, please log in to your account. Processing applications will take an average of 4-6 weeks due to the high volume of applications received. Upon the closing date, applications are "Under Review" and will be screened by Human Resources for qualified applicants.

For additional information, please contact:

Debra Godwin
Human Resources Manager
919-707-9232
debra.godwin@ncdenr.gov

APPLICATIONS MAY BE FILED ONLINE AT:
<http://www.oshr.nc.gov/jobs/index.html>

Position #19-03353 EM:65026568
ASST. DAM SAFETY ENGINEER I
DG

NOTE: Apply to the department listed on posting
An Equal Opportunity Employer, NC State Government

Asst. Dam Safety Engineer I Supplemental Questionnaire

- * 1. I UNDERSTAND that DEQ requires a complete descriptive work history with all employment experience detailed to be considered for employment. I have included all of this information within my application. (If you haven't completed the application requirements, please return to your application to finish it before submitting your application.)
 Yes No

- * 2. If offered this position, are you willing to accept a salary within the posted recruitment range of \$48,051 - \$55,080?
 Yes No

- * 3. Which of the following statements best describes your education, training, and experience level for this position? (This must be documented on your application to receive work credit.)
 - Bachelor's degree in an applicable field of engineering from an appropriately accredited institution; or an equivalent combination of education and experience
 - Engineer intern License - A person who complies with the requirements for education, experience and character, and has passed an examination on the fundamentals of engineering as provided in this Chapter
 - None of the above

- * 4. Do you have the ability to walk through rough and uneven terrain and work in unfavorable conditions including exposure to inclement weather, noise, dust, fumes, machinery, and insects?
 Yes No

* 5. Do you have a Valid Drivers' License?

Yes No

* Required Question