



STATE OF NORTH CAROLINA  
invites applications for the position of:

# Environmental Toxicologist

**JOB CLASS TITLE:** Environmental Toxicologist

**POSITION NUMBER:** 60035699

**DEPARTMENT:** Dept of Environmental Quality

**DIVISION/SECTION:** Assistant Secretary for Environment

**SALARY RANGE:** \$65,373.00 - \$117,589.00 Annually

**SALARY GRADE / SALARY GRADE EQUIVALENT:** GN17

**COMPETENCY LEVEL:** Not Applicable

**APPOINTMENT TYPE:** Permanent Full-Time

**WORK LOCATION:** Wake County

**OPENING DATE:** 10/18/19

**CLOSING DATE:** 11/04/19 5:00 PM Eastern Time

**DESCRIPTION OF WORK:**

## ANTICIPATED VACANCY

### Department Information:

The primary mission of the North Carolina Department of Environmental Quality (DEQ) is to provide science-based environmental stewardship for the health and prosperity of all North Carolinians. The North Carolina Department of Environmental Quality (DEQ) is the lead stewardship agency for the protection of North Carolina's environmental resources. The organization, which has offices from the mountains to the coast, administers regulatory programs designed to protect air quality, water quality, and the public's health, and also works to advance an all-of-the-above energy strategy that fits North Carolina's needs. DEQ also offers technical assistance to businesses, farmers, local governments, and the public and encourages responsible behavior with respect to the environment through education programs provided at DEQ facilities and through the state's school system. DEQ touches the lives of all North Carolinians in many ways to enhance and ensure our quality of life. To learn more about the Department of Environmental Quality please visit our website at <http://deq.nc.gov>.

### Division Information:

The Assistant Secretary for the Environment oversees development of major policy initiatives for programs with responsibilities such as permitting of discharges to surface waters; issuance of air emissions permits; implementation of grant programs for wastewater and permitting of coastal development; and regulation of animal operations.

### Description of Work:

This position provides technical and program support as lead environmental toxicologist and risk assessor for the Department. The position serves to support the activities of the Department of Environmental Quality/Department of Health & Human Services Science Advisory Board, by

helping to identify and frame the issues to be considered by the Board, by compiling relevant published research and case study materials to support the Board's deliberations, and to participate in those deliberations upon request of the Environmental Management Commission, the Board, or the Department. The position also serves as the designated environmental toxicologist and risk assessor for the Division of Air Quality, while also assisting the Hazardous Waste Section of the Division of Waste Management, and serves on an as-needed basis for the Solid Waste, Superfund, and Underground Storage Tank Sections and the Brownfields Program within the Division of Waste Management. The position will be responsible for determining health-based regulatory permit levels and cleanup levels for air, soil, groundwater, surface water, sediment, and indoor air at, or stemming from, permitted sites and contaminated sites, reviewing human health and ecological risk assessments for sites, evaluating and calculating ecological risk target levels, calculating target levels for vapors as part of structural vapor intrusion analysis and conducting other toxicological evaluations. Duties will include serving a risk assessment/risk communication resource for Department staff.

## **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, listed under the text resume section, or on an attachment will not be considered for qualifying credit. \*\*\***

This job requires a thorough knowledge of environmental, biological, and ecological sciences and issues, and of chemical risk assessment using United States Environmental Protection Agency and Agency for Toxic Substance and Disease Registry Protocols. Considerable knowledge of inorganic, organic and biochemistry, physics, botany, zoology, cell biology, genetics, pharmacology, pathology, and medicine, and of evaluating risks associated with environmental impact to humans and ecological receptors. A Considerable knowledge of state and federal laws, regulations, and programs pertaining to environmental control and environmental toxicology. Considerable knowledge and ability to assess environmental contamination. Ability to problem-solve and synthesize environmental biological, and ecological variables, to conduct work in a multidisciplinary setting, and to make recommendations for their control. Ability to explain, interpret, and revise or develop programs and legislation, and to recognize program and policy needs. Ability to plan, conduct, and/or coordinate research efforts. Ability to communicate risks effectively in oral and written form with individuals from a wide range of socioeconomic backgrounds; and to prepare technical grant and research documents. Ability to develop and maintain effective working relationships with state and federal agencies, related industry and university personnel, co-workers, and the general public.

**Applicant must meet both the Minimum Education and Experience Requirements and all posted Knowledge, Skills and Abilities / Competencies requirements to be considered Qualified for the position.**

## **MINIMUM EDUCATION AND EXPERIENCE REQUIREMENTS:**

Doctorate in chemistry from an appropriately accredited institution and two years of experience in environmental toxicology; or an equivalent combination of training and experience.

### **Managerial Preference:**

Management prefers applicants with five (5) or more years of professional experience in chemical risk assessment for both human health using USEPA and/or ATSDR protocols, as well as ecological receptors; expertise in fate and transport mechanisms for environmental contaminants, and laboratory quality assurance procedures.

## **SUPPLEMENTAL AND CONTACT INFORMATION:**

**To apply for this position, please click the APPLY button. All relevant experience must be included on the application to receive proper credit. Resumes may be uploaded with your application, but will not be accepted in lieu of a fully completed application and will not be considered for qualifying credit. "See Resume" or "See Attachment" will NOT be**

**accepted.**

If multiple applications are submitted by an applicant to an individual position, only the most recent application received prior to the posting closing date will be accepted. Applications must be submitted by 5:00 PM on the closing date.

Applicants requesting and / or receiving an accommodation via the Americans with Disabilities Act (ADA) are eligible to submit paper applications via mail or by fax but must be received by 5:00 PM on the closing date.

**Persons eligible for veteran preference must upload a copy of Form DD-214 and attach to the application.**

**Persons eligible for RIF priority must upload their letter of notification and attach to the application.** This applies to those employees that are subject to Articles 1, 2, 5, 6, 7, 8, 13 and 14 of G.S. 126. This does not include employees of the legislative and judicial branches, the public school and community college systems, or other employees that are exempt from these Articles of the Human Resources Act.

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 salary 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 Opportunity Employer.

For technical issues with your application, please call the NEOGOV Help Line at 855-524-5627.

For additional information, please contact:

Sheila Green

Phone & Fax: 919-707-8434

Email: [sheila.green@ncdenr.gov](mailto:sheila.green@ncdenr.gov)

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

Position #19-10816 SEC60035699  
ENVIRONMENTAL TOXICOLOGIST  
SG

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

[noreply@nc.gov](mailto:noreply@nc.gov)

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## **Environmental Toxicologist Supplemental Questionnaire**

\* 1. 1) Please indicate which best describes your education and work experience:

- ☐ PHD in either chemistry or epidemiology or toxicology and two or more years of work experience in chemical risk assessment using United States Environmental Protection Agency and Agency for Toxic Substance and Disease Registry Protocols.
- ☐ Master's Degree in in either chemistry or epidemiology or toxicology and a minimum of six or more years of work experience as shown in the body of the application in chemical risk assessment using United States Environmental Protection Agency and Agency for Toxic Substance and Disease Registry Protocols.
- ☐ A Bachelor's Degree in in either chemistry or epidemiology or toxicology and a minimum of eight or more years of work experience as shown in the body of the application in chemical risk assessment using United States Environmental Protection Agency and Agency for Toxic

Substance and Disease Registry Protocols.

☐ None of the Above

- \* 2. 2) How many years of work experience do you have to applying United States Environmental Protection Agency and Agency for Toxic Substance and Disease Registry Protocols to assess environmental contamination?

☐ Five or more years of work experience

☐ Four but less than five years of work experience

☐ Three to four years of work experience

☐ Minimum of two or years but less than three years of work experience

☐ Less than two years of work experience.

☐ No Experience

- \* 3. 3) How many years of work experience do you have synthesizing environmental, chemical biological, and ecological variables as pertaining to human health and ecological risk assessments for sites, evaluating and calculating ecological risk target levels?

☐ Five or more years of work experience

☐ Four but less than five years of work experience

☐ Three to four years of work experience

☐ Minimum of two or years but less than three years of work experience

☐ Less than two years of work experience.

☐ No experience

- \* 4. 4) How many years of work experience do you have evaluating risk associated with environmental contamination and impacts to human and ecological receptors?

☐ Five or more years of work experience

☐ Four but less than five years of work experience

☐ Three to four years of work experience

☐ Minimum of two or years but less than three years of work experience

☐ Less than two years of work experience.

☐ None Experience

- \* Required Question