

Air Quality Scientist Intern

Type of Recruitment: Casual Seasonal (Summer Intern)

Pay: \$18.50 per hour

Agency: DNREC Division of Air Quality

Employment Term: Full-time / 12 Weeks

Location(s): 715 Grantham Lane New Castle, DE 19702

Introduction

The **DNREC Division of Air Quality** (AQ) monitors the ambient air quality and regulates air emissions, asbestos removal, and open burning. The Division maintains emission inventories from various source types and develops the State's clean air implementation plans. The Division advises the Secretary of DNREC on possible new air regulations and supports the enforcement of existing regulations.

For more information, visit the website at dnrec.delaware.gov and connect with @DelawareDNREC on Facebook, Instagram, X (formerly known as Twitter) or LinkedIn. Visit the AQ website at dnrec.delaware.gov/air.

Summary Statement

AQ oversees regulations and permits governing the control of air pollution, from sources in the state, to ensure that Delaware's air meets State and Federal Air Quality Standards created to protect public health and the environment. The Division provides guidance and technical assistance to regulated businesses and facilities.

AQ operates a series of 11 monitoring stations throughout the state. This monitoring network measures pollutants for which national air quality standards have been defined to protect public health. These are known as "Criteria Air Pollutants." AQ has conducted the installation of Purpleair sensors in exterior locations throughout Delaware. These sensors measure particulate matter (PM 2.5), and the real-time results are available to the public as part of a global network.

AQ also engages in outreach activities with the public to better connect with communities and discuss the work that AQ performs to better protect Delaware's air quality.

This position will perform work with the following AQ sections on a three-week rotation basis:

- Operations Support Group (OSG),
- Analytical Support Group (ASG),
- Planning, and
- Engineering and Compliance (E&C).

Overall, interning with DNREC can provide a rewarding experience, offering valuable skills, knowledge, and connections that can benefit interns both personally and professionally.

Job Duties

- Apply agency laws, rules, regulations, policies, and procedures in maintaining and processing agency information.
- Database entry.
- Document preparation using Word and Excel.
- File organization and management.
- Participate in outreach activities.
- Assist the AQ Director in preparation of the Annual report.
- Assist with review of the Airshed Inventory.
- Assist E&C engineering staff with the Title V semiannual report, permit review and provide ancillary support as requested.
- Participate in field work (including Purpleair sensor locations, AQ monitoring station and Department of Motor Vehicle (DMV) visits).
- Process agency information.
- Prepare a presentation at the end of the internship summarizing the intern's take-aways from working with each of the AQ sections.

Job Requirements

Applicants must have education, training and/or experience demonstrating competence in each of the following areas:

- Must be a current college student or recent college graduate.
- Must provide 3 work related references.
- Six months experience using an automated information system to enter, update, modify, delete, retrieve/inquire, and report on data.
- Six months' experience in data management and analysis which includes querying, formatting, and quality control.
- Knowledge of interpreting permit plans and details, schematics, or technical drawings to determine compliance.
- Knowledge of project management such as planning, developing, implementing, managing, or evaluating projects to ensure objectives are met.
- Proficiency in demonstrating clear and effective written and verbal communication skills.
- Ability to work effectively in potentially hot and humid weather conditions.
- Ability to perform tasks that may involve bending, lifting, and carrying objects weighing up to 30 lbs.
- Regard for and ability to follow State and Department policies, particularly safety.

Additional Posting Information

- The position is flexible as to start date and is for a maximum 12-week term.
- The position will not exceed 37.5 hours per week with a regular schedule of 8:00 am – 4:30 pm.

- This position will have statewide responsibilities which require travel throughout the State. The State of Delaware provides transportation services to State agencies.
- The intern will work at the office located at 715 Grantham Lane New Castle, DE 19720. Some workdays will include field/site visits.
- Casual/Seasonal Employees are not eligible for state plan benefits.

Condition of Hire

As a condition of hire, applicants must possess a valid driver's license (not suspended, revoked or canceled, or disqualified from driving).

Applicants must be legally authorized to work in the United States. DNREC does not provide sponsorship for holders of H-1 B Visas.

The State of Delaware Executive Branch participates in the Federal E-Verify system. The State will provide the federal government with each new hire's Form I-9 information to confirm that they are authorized to work in the U.S. For more information refer to our job seeker resources.

Selection Process

The application and supplemental questionnaire are evaluated based upon a rating of education, training and experience as they relate to the job requirements of the position. It is essential that applicants provide complete and accurate information on their application and the supplemental questionnaire to include dates of employment, job title and job duties. For education and training, list the name of educational providers, training course titles and a summary of course content. Narrative information supplied in response to the questions must be supported by the information supplied on the application including employment, education and training history as it relates to the job requirements.

Once an application has been submitted, all future correspondence related to the application will be sent via email. Please keep contact information current.

Accommodations

Accommodations are available for applicants with disabilities in all phases of the application and employment process. To request an auxiliary aid or service, call 302-739-5458. TDD users should call the Delaware Relay Service Number 800-232-5460 for assistance.

The State of Delaware is an Equal Opportunity employer and values a diverse workforce. We strongly encourage and seek out a workforce representative of Delaware including race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression.