

**Agency Name**

NC Department of Environmental Quality

Project Sponsor Name

Julie Coco/Rebecca Coppa

Agency Division

Division of Energy, Mineral, and Land Resources

Project Sponsor Email

Julie.coc@ncdenr.gov /
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Work Location

Hybrid

Agency Website

<https://deq.nc.gov/about/divisions/energy-mineral-and-land-resources>

Pay Rate

\$20

Hours

5/10 hours a week for a total of 80 hours

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The Division of Energy, Mineral, and Land Resources seeks to promote the wise use and protection of North Carolina's land and geologic resources. The division regulates and provides technical assistance related to mining, dams, onshore wind energy, sediment and erosion control, and stormwater management and houses and promotes the NC Geological Survey.

Project Description and Expectations

Education and outreach are an important part of regulatory technical assistance with a goal of providing technical information in an understandable format to a variety of audiences and knowledge levels. Land disturbing activity and its regulation by the Division is often misunderstood by the regulated community and the general public.

This micro-internship will assist Erosion and Sedimentation Control Program staff in developing education and outreach materials for posting on the Division website. Through internet research, examples from neighboring states, and field observations, this position will assist in developing materials that guide small developers and home builders through the environmental permitting processes related to land disturbing activity.

The guidance documents will clearly lay out various permitting options available to single family and small development projects. The materials will cover erosion and sedimentation design requirements as well as the National Pollutant Discharge Elimination System stormwater requirements. Materials may include graphics, written word, and videos where appropriate.

Major Tasks to be Performed

- Research and gather technical information related to the environmental permitting of land disturbing activities for single family and small development.

- Distill technical information into a usable format for a variety of audiences through the use of written, visual, and video formats.
- Assist with website design.

Desired Knowledge and Skills of the Intern

- Familiarity with basic engineering or environmental concepts.
- Proficient use of word processing, graphic, and database applications.
- Ability to work remotely to conduct internet research.
- Good organizational and technical writing skills.

Minimum Education and Experience

College student enrolled in Durham Technical Community College pursuing one of the following areas of study: engineering, environmental science, web design, and/or education. The ideal candidate must have a minimum of 30 credit hours, can work remotely with at least two weekly virtual check-ins with project sponsor(s), and be available for scheduled field visits to land disturbing operations.

Final Product Anticipated

Education and outreach materials for posting on the Erosion and Sedimentation Control Program website.

Student Learning Objectives

Basic permitting processes and engineering principles associated with land disturbing activities and erosion control, development of educational and outreach materials, and technical writing.

Travel Requirements

Local travel to the Raleigh-Durham area.

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