



JACOB NELSON PROJECT ENGINEER

CREDENTIALS ♦ *B.S. Chemical Engineering, North Carolina State University, Raleigh, NC, 2020*

PROFESSIONAL EXPERIENCE ♦ *2022-Present: ALL4 LLC, Raleigh, NC – Project Engineer*
♦ *2020-2021: ALL4 LLC, Raleigh, NC – Staff Engineer*
♦ *2018-2019: Duke Energy, Raleigh, NC – Fossil Hydro Operations Co-op*

TECHNICAL EXPERTISE

- ✓ *Annual/semi-annual compliance reporting;*
 - ✓ *State and federal air quality and permitting programs including Title V permitting and PSD permitting;*
 - ✓ *Air emissions inventory and toxics release inventory reporting;*
 - ✓ *Air pollution control technology economic and technical feasibility review;*
 - ✓ *Technical support to industry trade associations;*
 - ✓ *Development and review of MACT floor calculations;*
 - ✓ *RCRA hazardous waste regulations;*
 - ✓ *Hazardous waste contingency planning.*
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PROFESSIONAL OVERVIEW

Mr. Jacob Nelson graduated from North Carolina State University in May 2020 with a Bachelor of Science in Chemical Engineering. As a staff engineer, he started working in air quality for clients in the chemical, power, pulp and paper, and tire manufacturing industries as well as providing environmental regulatory and technical support to industry trade associations. As a project engineer, he has continued to work on air quality projects and has expanded into other service areas such as waste management. He has experience updating a hazardous waste contingency plan for a Large Quantity Generator (LQG) which had undergone several changes.

Mr. Nelson has experience working on Title V permitting, Prevention of Significant Deterioration (PSD) permitting, annual/semi-annual reporting, Greenhouse Gas (GHG) reporting, Air Emissions Inventory (AEI) reporting, Toxics Release Inventory (TRI) reporting, reporting tools for National Emission Standards for Hazardous Air Pollutants (NESHAP), Regional Haze Rule (RHR) Four-Factor Analyses, and Maximum Achievable Control Technology (MACT) Floor Calculations.