



JACOB NELSON STAFF ENGINEER

CREDENTIALS

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

PROFESSIONAL EXPERIENCE

- ♦ **June 2020-Present:** ALL4 LLC, Raleigh, NC – Staff Engineer
- ♦ **Jan 2018-August 2019:** Duke Energy, Raleigh, NC – Fossil Hydro Operations Co-op

TECHNICAL EXPERTISE

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| ✓ <i>Annual/semi-annual compliance reporting;</i> | ✓ <i>Air pollution control technology economic and technical feasibility review;</i> |
| ✓ <i>State and federal air quality and permitting programs including Title V permitting and PSD permitting;</i> | ✓ <i>Technical support to industry trade associations;</i> |
| ✓ <i>Annual air emissions inventory and toxics release inventory report development;</i> | ✓ <i>Development and review of MACT floor calculations.</i> |

PROFESSIONAL OVERVIEW

Mr. Jacob Nelson graduated from North Carolina State University in May 2020 with a Bachelor of Science in Chemical Engineering. Prior to graduation, he worked as an undergraduate researcher in the Department of Civil, Construction, and Environmental Engineering and as a Fossil Hydro Operations Co-op at Duke Energy. At ALL4, he has worked on air quality projects for clients in the power industry and pulp and paper industry as well as provided environmental regulatory and technical support to industry trade associations in the chemical industry.

Mr. Nelson has worked on annual/semi-annual compliance reporting, Title V permitting, Prevention of Significant Deterioration (PSD) permitting, Air Emissions Inventory (AEI) reporting, Toxic Release Inventory (TRI) reporting, and Regional Haze Rule (RHR) Four-Factor Analyses. He has provided technical support for public comment on National Emission Standards for Hazardous Air Pollutants (NESHAP) regulations through the development and review of Maximum Achievable Control Technology (MACT) floor calculations and air pollution control technology cost estimates.