



CREDENTIALS

- ◆ *B.S., Chemical & Biomolecular Engineering, Biotechnology Concentration, Georgia Institute of Technology, 2020*
- ◆ *Engineer in Training, 2021*
- ◆ *OSHA 30-Hour Certificate, 2021*

PROFESSIONAL EXPERIENCE

- ◆ **January 2021-Present:** *ALL4 LLC, Kennesaw, GA – Staff Engineer*
- ◆ **2020:** *Georgia Environmental Protection Division, Atlanta, GA – Environmental Engineer*
- ◆ **2019:** *U.S. EPA Region 4, Atlanta, GA – Air Quality Intern*

TECHNICAL EXPERTISE

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| ✓ <i>Air quality compliance</i> | ✓ <i>Source Obligation, GHG, Boiler MACT, Tier II, TRI, and annual emissions reporting</i> |
| ✓ <i>Air quality permitting</i> | ✓ <i>CFATS program management</i> |
| ✓ <i>Air quality auditing and inspections</i> | ✓ <i>Health and safety auditing</i> |
| ✓ <i>Emissions inventories development and maintenance</i> | |

PROFESSIONAL OVERVIEW

Sam LaRose graduated from Georgia Tech in May 2020 with a Bachelor of Science in Chemical Engineering and a minor in Public Health. Sam interned for U.S. EPA Region 4 where she implemented a plan to address high asthma rates in children due to poor air quality in Southwest Atlanta. Her efforts involved ambient air monitoring data collection and analysis, communicating with communities and stakeholders, and promoting the EPA's Air Quality Flag Program.

Sam has worked as a Compliance Engineer at the Georgia Environmental Protection Division's Air Protection Branch. In this role, she was responsible for monitoring 50+ Georgia businesses, including product manufacturers, military bases, and medical sterilizers, to ensure air quality compliance through conducting routine inspections, analyzing reporting, and issuing enforcement actions. Sam also reviewed draft permits and stack test results. Sam specialized in air toxics and conducted projects regarding ethylene oxide, a recently named carcinogen and topic of community interest in Georgia.

Sam joined ALL4's Atlanta office in January 2021. Sam works with clients in pulp and paper, forest products, recycling, and other industries and routinely provides support to Environmental, Health, and Safety (EHS) teams. Sam primarily works on air permitting and compliance projects for Title V and minor sources, including creating and maintaining emissions inventories, developing permit applications, and preparing routine reporting under Toxic Release Inventory (TRI), Greenhouse Gas (GHG), Boiler MACT, and Tier II programs. Sam also works with facilities regulated under Department of Homeland Security's (DHS) Chemical Facility Anti-Terrorism Standards (CFATS). Sam routinely provides on-site support to CFATS-regulated facilities to conduct audits and assist with inspections. Additionally, Sam provides on-site support at facilities to conduct health and safety audits under Occupational Safety and Health Administration (OSHA) standards.