

Katarina Greathouse

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KEY SKILLS

- Lean Six Sigma Green Belt Certified
- Proficient with Aspen Process Explorer
- Understanding of Environmental Permits
- Process Safety Incident Investigation
- Root Cause Failure Analysis
- Efficient Communication with Operations
- Pressure Relief System Design Certified
- Environmental Analytical Lab Skills
- Audit Participation and Planning
- Results Driven
- Proficient with Microsoft Office and Minitab
- Proficient with MATLAB and CHEMCAD

WORK EXPERIENCE

The Chemours Company – Washington Works

Fluoropolymer Solutions Environmental Engineer Co-Op

Parkersburg, WV

May 2017 – August 2019

- Completed 17 months of relative engineering experience in chemical and environmental processes.
- Obtained Lean Six Sigma Green Belt Certification using the DMAIC methodology to identify gaps in processes that could potentially contribute to environmental impacts and implemented a plan to achieve compliance with local, state, and federal regulatory guidelines.
- Participated in major capital abatement projects, collaborating with project engineers and contractors to design filtration and abatement units to treat wastewater for existing processes to achieve environmental compliance.
- Lead data collection teams to determine concentrations of wastewater contaminants.
- Conducted technical writing of Facility Change Requests and Test Authorization documents, adhering to the site's Process Safety Management system to make necessary physical process changes and test potential abatement technologies.
- Prepared and reported monthly Mass Balance Model reports ensuring adherence to the sites Toxic Substances Security Act consent order.

EDUCATION

Ohio University

Bachelor of Science in Chemical Engineering, minor in Chemistry (Graduate May 2020)

Athens, OH

August 2015 – Present

- GPA (Cumulative): 3.313/4.00
- Emphasis on Energy and Environmental Engineering

ACTIVITIES

The American Institute of Chemical Engineers

- Served as Vice President 2016-2019 and Outreach Chair 2019-2020.
- Facilitated professional development and social events to promote success and collaboration among engineers of all classes.

Waste-Management Education Research Consortium (WERC) Project

- Participated in environmental design competition team to remove fluoride from calcium-rich mine water to meet drinking water standards.
- Investigated uses for recycled fluorine to avoid generation of waste.

Learning Community Leader

- Collaborated with chemical and mechanical engineering professors to instruct a class and assist freshman engineers with their transition to college.
- Organized events on campus to encourage involvement and held study sessions for exam preparation.