

ONSITE

ENGINEERING

CLAIRE M. KROKKER, MSEE

Electrical Engineer

Education:

MS in Electrical Engineering
University of North Dakota, Grand Forks, ND

BS in Electrical Engineering
Minor in Physics
University of Saint Thomas, Saint Paul, MN

Continuing Education:

Hazwoper Certification, OSHA 40-Hour Training, 11/23,
40 Hours

Iowa Chapter of IAAI, Electrical Aspects of Fire
Investigation Course, 8/23, 24 Hours

Minnesota Chapter of IAAI Annual Training Conference,
3/23

Hazwoper Certification, OSHA 40-Hour Training, 11/22,
40 Hours

Advanced Tactical Acquisition Corps,
Air Force Life Cycle Management Center, 2018

Revolutionary Acquisition Techniques Procedures and
Collaboration, United States Special Operations
Command, 2016

Experience:

4/22 to Present **OnSite Engineering & Forensic Services, Inc.**
Prior Lake, MN

Forensic Electrical Engineer

Perform failure analysis and evaluation of electrical service installations, underground and overhead service failures, electrical distribution equipment failures, and transformer failures. Identify installation deficiencies of

electrical installations in commercial, industrial, and residential structures. Testing and evaluation of battery charging systems, thermal testing of products and appliances.

- 10/18 to 2/22** **United States Air Force, Officer Training School**
Maxwell Air Force Base, AL
Chief of Student Support and Instructor
 Instructed new Commissioned Officers in Leadership Studies, Organizational Management, and Field Leadership. Coordinated critical administrative functions across all Air Force components to meet National Defense Strategy requirements.
- 10/15 to 10/18** **United States Air Force, A-10 System Program Office**
Hill Air Force Base, UT
A-10 Avionics Engineer
 Secured data rights and reverse engineered drawings/specifications to find new vendors for obsolescent part within environmental control system. Fielded replacement fuel quantity gauge to solve top fleetwide priority.
- 6/15 to 9/15** **OnSite Engineering & Forensic Services, Inc.**
Prior Lake, MN
Engineering Intern
 Support engineers with site investigation and laboratory examinations. Investigated causes of electrical fires. Demonstrated acute attention to detail for design of circuitry and defects within system. Used non-destructive inspection techniques to aid process.
- 6/13 to 5/15** **Carestream Health**
Oakdale, MN
Applications Engineering Intern
 Developed a user interface for testing equipment related to automated resistance measurements and tensile strength pull tests. Integrated various stand-alone test apparatuses into a combined user experience. Revolutionized data collection for formulation department.

**Professional
Affiliations:**

Member International Association of Arson Investigators
Member International Association of Arson Investigators
– Minnesota and Nebraska chapters
Member National Fire Protection Association
Member Institute of Electrical and Electronic Engineers
Member National Association of Fire Investigators -
International