



Chelsie Winborg

Environmental Field Technician

Ms. Winborg joined STI in 2018. Her primary duties include remote monitoring and onsite support for surface meteorological sensors, including wind, temperature, humidity, precipitation, and solar radiation sensors, as well as black carbon (BC) and particulate matter (PM) monitoring instruments. She conducts monthly calibration and audits of field instruments following both Environmental Protection Agency (EPA) procedures and manufacturers' guidelines to ensure that data collected are of high

quality. Ms. Winborg maintains site logs, responds to emergency calls, performs data extractions, and manages STI's instrumentation warehouse. When equipment issues arise, she works to troubleshoot issues, develop solutions, and ensure the equipment is in proper working condition.

Ms. Winborg's current work includes setting up a collocation study of low-cost air quality monitors, which will be used to assess air quality conditions at Southern California schools located close to industrial areas. She also conducts daily remote monitoring of BC, PM, and volatile organic compound (VOC) sampling at the Sunshine Canyon Landfill north of Los Angeles. Ms. Winborg is also providing field support for hydrogen sulfide (H₂S) and sulfur dioxide (SO₂) monitoring at a Northern California wastewater treatment facility, and PM monitoring at a rock quarry for the County of Marin.

Prior to working at STI, Ms. Winborg worked as a technical field representative for multiple companies across California. She is a former United States Marine, and has been trained in engineering mechanics and heavy equipment construction and repair.

Education

- BA, Animation and Video Effects, Academy of Art University
- Information Technology, University of Phoenix, AZ

Service

United States Marine Corps