

# Sarah Simmons, P.E.

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## Related Work Experience

**Director of Sustainability & Environmental Services**, Tucson Airport Authority, Tucson, AZ      Sept 2022 – Present

- Serve as the technical expert for the environmental compliance, sustainability, and Superfund remediation programs at Tucson International Airport (TIA) and Ryan Airfield (RYN).
- Environmental Compliance - ensure environmental compliance under state, county, and federal permitting for stormwater, spill prevention, underground storage tanks, industrial wastewater, waste, and air quality.
- Sustainability - oversee the sustainability program for TUS and RYN through the baseline sustainability study and sustainability management plan (SMP) projects. This entailed data collection, stakeholder engagement, lead stakeholder working group meetings, review of draft and final deliverables, and initiate projects based on the goals and initiatives from the SMP. Work with stakeholders on electric vehicle charging stations and sustainability aviation fuel (SAF) initiatives.
- Superfund - ensure consent decree compliance for two Comprehensive Environmental Response, Compensation, and Liability (CERCLA) Superfund sites as the project coordinator for a long term groundwater and soil vapor extraction treatment systems. Maintain budget and invoice payments for the professional services and Operations and Maintenance (O&M) contractors and state and federal regulatory agencies. Review and approve scopes of work and technical deliverables. Provide technical direction for the project through implementing revised conceptual site model and focused feasibility study work. Prepare external communication materials and present updates to the community and regulatory agencies on a quarterly basis. Lead technical working group meetings.
- Provide direction and support the environmental specialist and sustainability manager team members.

**Environmental Engineer/Project Manager**, GHD, Tucson, AZ      Sept 2014 – Sept 2022

- Engineer and Project Manager for ongoing project containing groundwater remediation and soil vapor extraction treatment. Site-specific activities include evaluation of analytical process data, groundwater sampling, radius of influence calculations, vapor intrusion investigations, oversight on groundwater and soil vapor well installations, preparation of memoranda and reports for clients and regulatory agencies.
- Led field investigations at Leaking Underground Storage Tank (LUST) sites, including drilling activities to determine vertical and linear delineation, sample collection, field observations to determine remediation options, and design of remediation systems using soil vapor extraction.
- Project manager and field team for opacity testing on industrial equipment for air emissions regulations compliance
- Completed numerous Phase I and Phase II environmental site assessments
- Prepared and implemented Stormwater Pollution Prevention Plans (SWPPPs) and Spill Prevention Control and Countermeasure (SPCC) plans
- Project Manager on a landfill gas reutilization and recovery assessment to meet zero waste objectives of municipality. Assessment also included a macro fleet assessment to address municipalities electrification goals.
- Tucson office manager, safety captain, quality control lead, and team leader supervising a total of five staff
- Prepare and follow Health and Safety Plans (HASPs) for all projects noted above.

**Environmental Engineer II**, ASARCO, LLC, Hayden, AZ      Nov 2012 – Sept 2014

- Complied with EPA & ADEQ regulations on hazardous waste and solid waste disposal
- Performed calculations, compiled and analyzed data, and submitted reports for Sustainability (GRI), Greenhouse Gas, Tier 2, Toxic Release Inventory, and Facility Annual Report for hazardous waste
- Created and led environmental training for supervisors and contractors
- Performed waste characterizations through sample analysis
- Conducted onsite inspections for air quality, stormwater, SPCC, and waste storage under Resource Conservation and Recovery Act (RCRA). Updated compliance plans as needed.
- Supervised environmental technician and consultants on superfund and remediation projects

**Environmental Engineer Intern**, Owen & White, Inc., Baton Rouge, LA      Aug 2011 – May 2012

- Reviewed contractor submittals and GIS information on water infrastructure projects
- Completed drawings for construction in AutoCAD
- Performed takeoffs and thrust restraint calculations
- Completed Department of Transportation and Development permits for submittal

**Environmental Support & Services Intern**, Idaho National Laboratory, Idaho Falls, ID      Jun 2011 – Aug 2011

- Implemented educational campaigns on new programs: composting pilot and duplexing
- Coordinated sustainable acquisition training with national expert, Sandra Cannon

- Met guidelines for energy management with EPA Portfolio Manager
- Obtained Building Access Only (BAO) security clearance

## Education

**Louisiana State University**, Baton Rouge, LA

**Bachelor of Science, Environmental Engineering**, 3.62 Major GPA, 3.47 Cum. GPA May 2012  
 Related Coursework: Water Resources, Hydrology, Water & Wastewater Treatment, Chemistry  
 Air Pollution, Hazardous Waste, Static Mechanics, Sustainability, Sustainable Construction

**Bachelor of Science, Construction Management** Dec 2004  
 Related Coursework: Mechanical and Electrical Systems, Structural Technology,  
 Project Management related courses

## Language Education

Philips University German Language School, Marburg, Germany Jan 2007

Test of German Language Ability - Intermediate Level 3 Completion Certificate

Lacunza Spanish Immersion School, San Sebastian, Spain Jul 2005

Elemental I Certificate

Teaching English as a Foreign Language Certification, Completion Certificate Jun 2006

## Licenses & Certifications

Licensed Professional Engineer (Environmental) in Arizona (# 64540) and Nevada (# 26851)

Certifications: Hazwoper 40-hr, DOT, RCRA, MSHA 24-hr, Behavioral-based safety training

EPA Method 9 Visible Emissions Evaluation Training, Asbestos Inspector