

Meet

Andrea

A Young Chemist who *Lives & Breathes Science*

Andrea's interest in science sparked in grade school. It all started when she became curious about the cleanliness of human mouths versus dogs mouths. This curiosity led to her most memorable science experiment: *Who's Mouth is Cleaner: a Dog or Human?*

"The experiment showed that my dog's mouth is not as dirty as I thought," she said. "From there, I participated in a summer science program at an Atlanta college while in high school. When I entered college, I knew that I wanted to major in the science field. The rest is history."

She has come a long way since that first science experiment. Now, Andrea works in Process Control and Regulatory at Savannah River Remediation (SRR), where she provides guidance to engineering personnel for implementing corrosion-related controls for SRR's waste tanks and other supporting equipment.

"My main responsibility is making sure that our waste tanks comply with the corrosion control program that is mandated by our Data Safety Analysis (DSA)," Andrea said. "This program ensures that the integrity of our waste tanks is preserved until the end of its service life."

These waste tanks at the Savannah River Site store 36 million gallons of Cold War era radioactive liquid waste. The waste is stored in 43 waste tanks in the Savannah River Site's F and H Areas.

Eight tanks are operationally closed, and other waste tanks are in various stages of waste removal, cleaning and closure process. Cleaning the waste tanks means reducing the risk for the workers, the communities, and the environment.

One of my favorite things about my job is the challenge.

These challenges require me to learn more about our tanks and solve new problems.

AT A GLANCE

- Ph.D., Inorganic Chemistry, focus on the Actinides, University of Notre Dame
- Chair of Savannah River Section of the Younger Chemists Committee
- Member of the American Chemical Society
- Six peer-reviewed publications
- Has authored six technical reports