

Using GIS for Landfill Field Data Collection

This presentation demonstrates a number of ways GIS is used to streamline and manage landfill field data collection and improve accuracy and efficiency. I will show how my organization utilizes ArcGIS Online in conjunction with Field Maps and Survey123 in our project workflows for Construction Quality Assurance (CQA), landfill gas well installations and pressure tests, measuring landfill liquid levels, surface emissions monitoring and other landfill projects. These tools allow our engineers and other users to see real-time updates in the context of the site location which allows for quicker analysis, deliverables and more informed decision-making.

Bio:

Barbara Lawrence is a GIS Analyst with SCS Engineers. She has 12 years' experience in GIS after graduating from the University of Georgia with a bachelors in Geography. Since joining SCS in October of 2021, Barbara has provided GIS support for SCS's CQA and Landfill operations by assisting in the maintenance and collection of field data and maintaining SCS's databases and GIS web applications.

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