



Case Study Category: SUE

Case Study Title: Mapping of Water and Wastewater Lines for New Construction in the Knolls Atomic Power Laboratory in West Milton, NY.

Utility Name: Knolls Atomic Power Laboratory

Case Study Abstract: SUE is an engineering process used to identify and map underground utilities and structures as well as assign a quality level to data. There are different geophysical techniques available to acquire data regarding the two-dimensional location of underground utilities. It is important for designers or engineers to be familiar with various geophysical methods for successful designations of underground utilities. GPR and EM technologies are two predominant technologies that are used in designating and locating the underground utilities. This case study investigated application of Ground Penetrating Radar (GPR) technology to confirm the location of water and wastewater lines to mitigate the conflicts for a new construction of a power plant.

Case Study Link: <http://waterid.org/content/mapping-water-and-wastewater-lines-new-construction-knolls-atomic-power-laboratory-west-milt>