Trenchless technology can provide critical knowledge required for environmental planning, permitting, geotechnical and hazardous materials investigations, design, and construction observation services for pipeline installations. Applications of this technology include horizontal directional drilling, jack and bore, pipe ramming, and micro-tunneling for liquid and gas, water, and sewage pipelines. This presentation provides a general overview of Trenchless Technologies (old and new methods) for the new installation of pipelines generally from 6 inches up to 10 feet in diameter. Some methods have been in use for over 60 years and some are brand new to the U.S. market. Regardless of whether its old or new technology, each Trenchless Method has its place in our industry given the requirements of the project and the anticipated ground conditions. This presentation provides guidance on what methods are available in the industry and when and where to apply them.

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