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Best Practices for High Resolution Site Characterization of LNAPL and DNAPL

Live Webinar via Zoom | February 26, 2026 | 10:00 AM-1:15 PM

Presenter Biography

Randy St. Germain, of Dakota Technologies, Inc., cofounded the company in 1993 to develop state-of-the-art laser-induced fluorescence (LIF) products and services for high-resolution site characterization of LNAPLs and DNAPLs. Dakota's Ultra-Violet Optical Screening Tool (UVOST®), Tar-specific Green Optical Screening Tool (TarGOST®), and DyeLIF™ have contributed greatly to understanding how non-aqueous phase liquids distribute themselves in the subsurface. Mr. St. Germain has assisted in the interpretation of fluorescence data from over one thousand NAPL release sites. Approximately 500 of those sites were heavy NAPL sites, totaling over 112 miles of fluorescence logging data (~19,000 logs).

Mr. St. Germain feels fortunate to have received the National Groundwater Association's Technology Award of Excellence in 2024, but readily admits it was the LIF technology that earned the award. Mr. St. Germain recently contributed to an open access book published by Springer Nature titled, *Advances in the Characterization and Remediation of Sites Contaminated with Petroleum Hydrocarbons*. He wrote "Chapter 8: High-Resolution Delineation of Petroleum NAPLs" to pass along what he's learned from 30 years of characterizing NAPLs in the subsurface.