

Bare Liners
Soil Covered Liners
Fluid Covered Liners



Liner Leak Location Services

For more information [hgileakdetection.com]



Subsurface Imaging

Innovative Solutions

About HGI Liner Leak Location

hydroGEOPHYSICS Inc. (HGI) specializes in leak detection services for the engineering, construction, mining, and nuclear industries. Our research and development group has produced several innovative techniques that have successfully passed government EPA protocol testing and have been deployed on Department of Energy (DOE) sites for over a decade. By applying sound principles of electrically-based geophysics we can detect the smallest leaks, even where others have failed. We offer a suite of tools that can be adapted to your site conditions to solve your problem quickly, minimize downtime, and eliminate false positives.

Bare Liner Leak Location

Bare liner leak location, also known as 'Liner Integrity Surveys', are widely recognized as a critically important factor in overall construction quality assurance (COA) management for geosynthetic lined containment facilities. COA is a planned system of activities that provides stakeholders reassurance that structures were assembled correctly and within the regulatory guidelines of local and regional governments. In the case of geosynthetic lined containment systems, regulatory bodies require adherence to specific leak rates for continued operation of these types of systems.

Soil Covered Liner Leak Location

The integrity of the geomembrane in soil-covered liners and leach pads can be compromised by many factors, including faulty construction, inadequate subgrade, or poor quality material placed on the geomembrane, allowing tears to occur in the liner. HGI uses electrical geophysics to locate leaks in soil covered liners and leach pads. Example survey sites include landfills in the solid waste management industry and ore-covered leach pads in the mining industry.

Fluid Covered Liner Leak Location

We have an astounding success record for liner leak location in containment structures lined with HDPE and geosynthetics that contain highly conductive solutions such as landfill leachate, mine waste-water, brine solution, or PLS from heap leach mines. Our liner leak location approach is a unique technology in the liner leak detection market, and one that is recognized by our growing list of clients, liner installers, liner manufacturers, and our competitors.



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Woodinville, Washington
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