

Tank Inspection Services

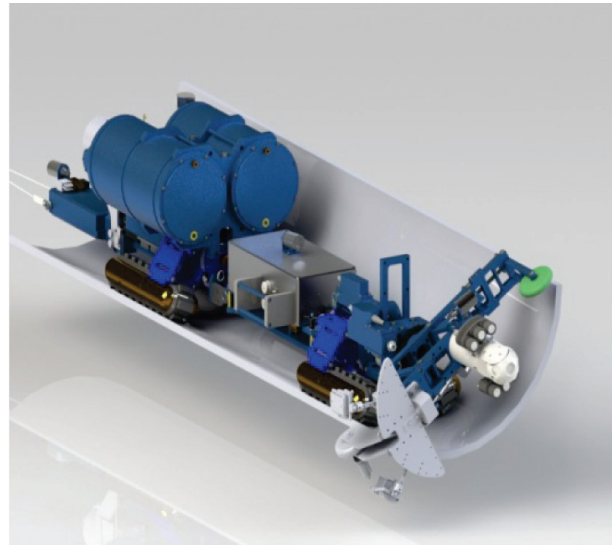
Background

The Nuclear Energy Institute (NEI) guideline, NEI 09-14, Guideline for the Management of Underground Piping and Tank Integrity, specifies that inspections must be performed on tank integrity at nuclear power plants. Based on the number of materials, systems and geometries that are involved in storage tanks, a variety of inspection techniques are applicable.

Westinghouse, through its subsidiary WesDyne International, offers a full range of tank inspection techniques, systems and scanners that can provide for the inspection of storage tanks that are in contact with the soil.

Description

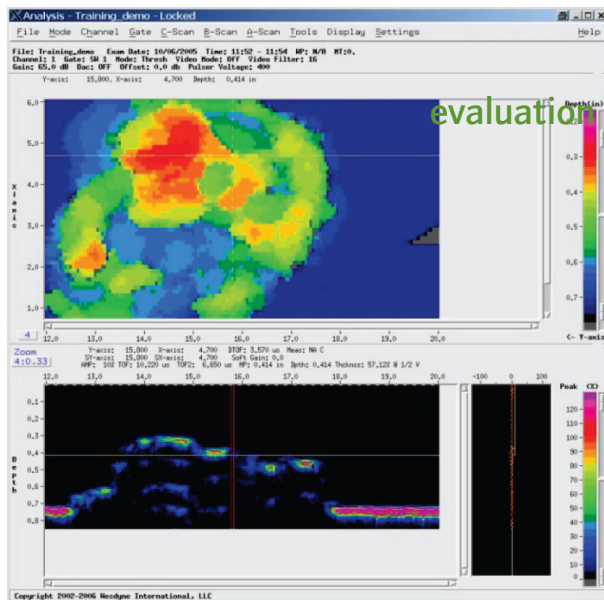
Storage tanks that contain fluid can be inspected with WesDyne's Lamb Wave Crawler. This automated scanner can perform scans without draining the tank contents.



Lamb Wave Crawler

Empty storage tanks can be inspected with WesDyne's IntraSpect™ system and automated scanners. Using automated ultrasonic technology and a field-proven scanner, WesDyne can easily accommodate most surfaces that require inspection.

The nondestructive examination (NDE) signal is sent and received by one of WesDyne's highly advanced IntraSpect systems. The NDE results are recorded and analyzed using one of WesDyne-developed advanced data analysis systems such as PARAGON™ or IntraSpect. The data collected from the material scanned are analyzed, and color-keyed images of the results are generated.



IntraSpect™ software with C-scan (top view) and B-scan (cross-sectional view) displayed

Benefits

As a subsidiary of Westinghouse, WesDyne can incorporate the full range of services that Westinghouse can provide for tanks that are in contact with the soil. This includes services such as:

- Fitness-for-service evaluation
- Mitigation and licensing support
- Inspection regardless of whether tank contains fluid or is empty

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