



www.nuclearit.com

RadIS

Radiological Information System

The Problem

Performing surveys on paper has inherent limitations and shortcomings:

- Difficult and expensive to share data
 - The clerical resources and time required to manage originals and copies is significant
 - Original surveys must be scanned, packaged and submitted to Document Control
 - Manual survey documentation requires that copies be made and distributed
 - Manual tracking logs must be maintained.
 - Surveys can be easily lost
 - Retrieval of historical data is cumbersome
 - Tracking, trending and manipulating data is not cost effective
 - Quality of survey documentation is poor
 - Poor penmanship
 - Write-overs
 - Scanning, photocopying or converting to microfiche results in records that are difficult to read
- Technician group/team assignment to surveys
 - Input posting data, barricades and notes to maps
 - Components may be linked to external web sites, images or documents
 - Survey instrument lookup table
 - Point and Click navigation through maps (jumps)
 - Technicians can edit only surveys they generate
 - Foremen/Supervisors only can review/approve surveys
 - Once a survey is approved, it is “locked down” – not available for editing
 - Automatic survey numbering
 - Scheduling of routine plant surveys
 - Online review and electronic approval of surveys
 - Electronic survey storage and automatic file transfer to Document Control
 - System administration is flexible and simple (Adding maps, revising maps, adding jumps, scheduler maintenance, monitoring transfer of data to document control)
 - Capacity for multiple, separate databases

What is RadIS?

RadIS is an automated survey documentation system that provides an integrated solution for the display and archiving of survey data. The software uses a graphical interface to electronically input and store surveys into a database and transmits approved surveys to document control. Digital maps (floor plans, room/component drawings, photographs) serve as the background over which the survey data is recorded.

Key features of the system include:

- System designed for Client/Server operation
- Comprehensive survey map component search capability





www.nuclearit.com

RadIS

Radiological Information System

Solutions Provided by an Electronic Survey Documentation System

RadIS system advantages:

- Improves quality of survey data
 - All surveys have the same “look” and radiological data is displayed in a standardized format
 - Eliminates write-overs
 - Eliminates poor quality copies
 - Eliminates searching through microfiche or stacks of paper for a historical survey. You can’t “lose the paper” anymore.
 - Results in improved communication of radiological information to the worker
 - Results in improved accountability and efficiency of document storage
- Enhances technician efficiency and reduces operating costs
 - Data is easily shared for plant-wide use
 - Data is easily trendable.
 - Reduces time required to generate surveys
 - Eliminates redundant work
 - Eliminates manual transfer of paper to Document Control
 - Routine surveys are scheduled and tracked
 - User friendly – temporary HP contractors can input surveys with minimal training
- Saves dose
 - Trending of data to determine areas in the plant where the frequency of routine surveys can be reduced
 - Elimination of redundant surveys (i.e., routines and/or job coverage)
 - Utilization of “smart” survey meters that aid in reduction in time required to complete surveys (future development)
- Incorporation of live-time area monitoring data directly onto survey maps can eliminate having to survey the area (future development)
- Overall dose reduction is based primarily on reduction of time required for surveys to be performed
- RadIS is built for expansion
 - Remote monitors can display live-time data directly on the screen from any RS-232 serial source (future development)
 - Download data from “smart” survey meters directly to survey maps (future development)

