

Emergency Response Radiation Monitoring Program



The RadWatch-RadLight Program, developed by Landauer, is the latest in tactical/field radiation monitoring technology - excellent for first responders.

The RadWatch dosimeter is designed to operate under field conditions and contains both primary and backup detectors and an RFID chip, which stores dose results and data from the most recent analysis. All analytical data is stored in the RadLight Reader for download to a computer via a USB connection, facilitating additional analysis and reporting. Dosimeters are inserted into the reader's drawer assembly, which automatically positions their built-in sensors for analysis by the photo-optical engine.

The RadWatch-RadLight solution provides a legal dose of record for radiation dose reconstruction, risk mitigation and legal defense.

Network of Activities	
Organization	Application
U.S. Army - Tactical (NVLAP Accredited, LAB CODE 100518-0)	Emergency Response - Field deployment for tactical field use
National Guard	Emergency Response - Assigned to all CSTs
FEMA	Emergency Response - Assigned to all 28 regional response locations
PA & IL Emergency Management Program	Emergency Response - 45,000 OSL dosimeters deployed
Nuclear Power Plants	OSL used in 52% of all facilities



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The RadWatch-RadLight Program is powered by Landauer's proprietary technology, optically stimulated luminescence (OSL), which offers many advantages to those using this solution in emergency response applications.

OSL Feature	OSL Benefits	OSL Advantage
Excellent Emergency response technology	Excellent backup to electronic dosimeters	<ul style="list-style-type: none">• Immediate onsite dose assessment to validate electronic dosimeter information• Inexpensive solution for high volume monitoring with accredited dose of record analysis• Small dosimeters with portable in-field analysis
Non-destructive Readout	Re-read dosimeters numerous times Enables onsite analysis with RadLight reader	<ul style="list-style-type: none">• Immediate radiation assessment without losing integrity from final accredited dose of record analysis• Dose data validation
Equipment Redundancy	Emergency backup throughout the world	<ul style="list-style-type: none">• No downtime• Reliability• 3rd party independent analysis

NVLAP Accredited (NVLAP LAB CODE 100518-0) for Legal Dose of Record

Learn More

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