

Harshaw TLD Dosimetry Training

Training is an important part of any dosimetry program either as an ongoing proficiency measure or when new staff members are added to the team. We have over 22 years of experience in the field of External Dosimetry, both Active & Passive, as well as Radiation Protection with significant global Market & Technical knowledge. Our expertise in this field provides you with access to the best practices from the Manufacturer as well as a global experience base of Harshaw TLD users. We have provided dosimetry training on a global basis which includes the IAEA and customers in Africa, China, Japan, South Korea, Taiwan and North, Central & South America. We are recognized as a Subject Matter Expert (SME) Internationally in the field of External Dosimetry as a US Delegate working on ANSI, IEC and ISO Standards.

Harshaw TLD product training leverages our experience, which includes materials, instruments, software and algorithms. Since you may have specific requirements or configurations our customized training will target your needs allowing us to focus on areas where you feel there would be more benefit. These training programs may be as short as a one day introduction to more in-depth targeted lessons or a full five day program of onsite classroom and hands on work.



Key benefits are:

- More cost effective than offsite training
- Customized Training solutions
- Best Practices via Diverse Dosimetry Technical Knowledge
- AAHP Continuing Education Credits Available

Onsite training programs are considerably more cost effective for groups of 4 or more as opposed to traveling to general training courses and available on your schedule throughout the year. In addition, onsite training has less of a disruptive effect on the organization or attendees personal lives.

Typical Training Agenda Components:

- Thermoluminescence Concepts
- Radiation Quantities & Units
- Properties of LiF:MgTi, LiF:Mg,Cu,P & Others
- TLD Readers Overview & Function
- Multi-Element TL Dosimeters
- Reader Calibration Factors (RCFs)
- Element Correction Coefficients (ECCs)
- System Calibration using ¹³⁷Cs with Relation to ⁹⁰Sr or other calibration sources
- Whole Body Dose Algorithms
- Extremity Dose Algorithms
- Environmental Dose Algorithms
- Neutron Dose Algorithms
- DOELAP & NVLAP Accreditation Programs
- TLD System Operation Overview
- WinREMS & WinREMS SQL Software
- Algorithm Software
- Glow Curve Review & Analysis
- TLD Reader QA/QC, Operation & Maintenance

Other Topics that may be Included:

- Preparing Technical Basis Documentation or review
- ISO-17025 preparation or review
- DOELAP / NVLAP Pre-Audit review

Dosimetry Training	
Part Number	Description
Training-HTLD	Harshaw TLD Passive Dosimetry Training

Rotunda Scientific Technologies
4612 Edgewater Drive
Stow, OH 44224 USA

+1 (330) 906-3403 Phone
+1 (330) 294-0078 Fax
info@RotundaSciTech.com



Serving the Dosimetry and Radiation Protection Community with Technologies and Solutions

Consulting & Training

We have over 22 years of experience in the field of External Dosimetry, both Active & Passive, and Radiation Protection with significant global Market & Technical knowledge. Our expertise in this field provides the prospective client competitive intelligence on market dynamics, trends and potential opportunities. This may also include target acquisition vetting and due diligence. Technically, we are able to provide product development guidance based on market dynamics, customer preferences, voice of the customer and international technical standards. We are recognized as a Subject Matter Expert (SME) Internationally in the field of External Dosimetry as a US Delegate working on IEC & ISO Standards.

Training on the Harshaw TLD products leverages our experience, which includes materials, instruments, software and algorithms. In addition, we have extensive experience with the former Siemens Electronic Dosimeter.

Consulting & Training Services may be customized for your specific requirements and handled as a project, retainer or time and materials. This provides your organization with a cost effective alternative to a full time experienced employee on staff.



Key benefits are:

- Global Commercial Experience
- Diverse Technical Knowledge in Dosimetry and Radiation Protection
- Wide Customer Base Interactions
- Dosimetry Subject Matter Expert (SME) Internationally

Potential Areas of Consulting or Training:

- Market Analysis, sizing and focus in areas of strength or new product voids;
- New Product Voice of the Customer for Product Requirements both commercial and technical;
- New Product Specifications creation and / or review;
- Proposal leadership and writing to win projects or orders with the commercial positioning and technical soundness required;
- New Product Engineering development guidance including hardware and software top level design;
- New Product Testing from a Customers / Users point of view prior to beta testing;
- Managing and assisting on the beta testing phase of new Products working with Customer, the Marketing and the Engineering team;
- Review of technical and commercial material to ensure proper Customer messaging;
- Creation of Launch planning and messaging material;
- New Product Launch interfacing with the Commercial and Technical teams and Customers;
- Solving Dosimetry Issues Technically and Practically;
- Dosimetry Training at a practical User level addressing such areas as operational issues;
- Post product launch support during the early critical phases of customer usage.
- Technical Basis Documentation
- ISO-17025 preparation or review
- DOELAP / NVLAP Pre-Audit review
- Harshaw TLD training

Consulting & Training

Part Number	Description
Consulting	Retainer, Block of Hours or Hourly— customized to your requirements
Training	Training in Active & Passive Dosimetry - Harshaw TLD & Siemens EPD™

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