

LANDAUER[®]

Radiation Safety Support Services

Regulatory compliance and dosimetry management support



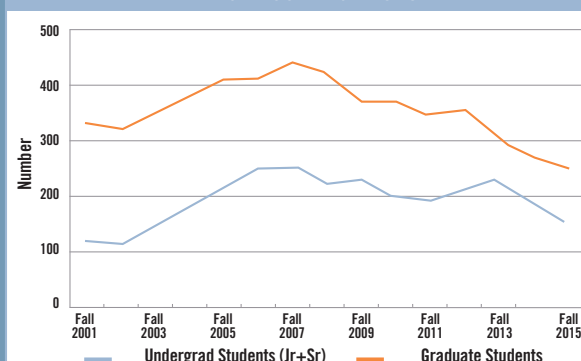
Look to LANDAUER's Radiation Safety Support Services to take the daily management tasks from your hands and place them in ours. You can rely on LANDAUER to help maintain a compliant radiation safety program given today's changing state, environmental, and Nuclear Regulatory Commission (NRC) requirements.

Industry Trends

Facilities are facing budget constraints leading to reduced resources. Additionally, enrollment in health physicist degree programs is decreasing while experienced health physicists are retiring.

Given these challenges along with changing and increasingly restrictive regulatory requirements, facilities are turning towards creative solutions for radiation management.

Figure 1. Health Physics Enrollments Trends
Fall 2001 - Fall 2015



Source: Oak Ridge Institute for Science and Education

Regulatory Compliance

LANDAUER's team offers comprehensive Radiation Safety Support Services including:

- Executive level review of policies and procedures in existing radiation protection program
- Monitoring state and/or NRC regulatory requirements and implementing changes
- Communicating with state and/or NRC regulatory agencies on behalf of the facility
- Access to a highly qualified team of Certified Health Physicists, managers and technologists
- Preparing up to five amendments of existing radioactive material licenses or new registrations each year
- Live consultative hours to support incidents or surprise inspections

Additional benefits

- After-hour emergency phone service
- Special Radiation Safety Support Services email address to ensure concerns are answered quickly

Regulatory Compliance Operations Policy & Procedure
LANDAUER MEDICAL PHYSICS
Title: Radiation Monitoring Program
Facility: Facility Name
Issue Date: DD-MMM-YYYY

APPROVALS:
Signatures indicate approval of the policy and procedure.
Director/Responsible Owner:
Vice President/Executive Director:
Chief of Medical Operations (if clinical policy or procedure):
Chief of Staff (if clinical policy or procedure):
Medical Executive Committee (if clinical and review required):
Chief Executive Officer:

5. The RSO will review and sign dosimetry reports from Landauer at intervals not to exceed three months.

RESPONSIBILITY:
• It is the responsibility of the RSO to ensure compliance with this policy and procedure.

REFERENCES:
• PAC 64E-5

AUTHOR(S):
• Shawn Pickett, CNMT, RT(R)

ATTACHMENTS:
• None

REVISION HISTORY

Revision #	Summary of Changes	Effective Date	Approval Signature
v 1.0	Sample - Facility must customize to individual requirements - not responsible for accuracy or compliance with statutes or standards.	DD-MMM-YYYY	

This document should be reviewed for accuracy and approved at least every two years.

PURPOSE AND SCOPE:
• To maintain occupational radiation exposure As Low As Reasonably Achievable (ALARA).

POLICY STATEMENT:
• Any employee who operates x-ray equipment, handles radioactive material or who is likely to receive an occupational dose of 500 mrem per year will be provided a personal radiation monitoring badge.

EXCEPTIONS:
• None

DEFINITIONS:
• ALARA: As Low As Reasonably Achievable
• RSO: Radiation Safety Officer
• RSC: Radiation Safety Committee (if required)
• mrem: Millirem - unit of radiation exposure

PROCEDURE

1. New radiation badge requests will be sent to the dosimetry coordinator and the badge will be ordered in Landauer's web portal www.mylandauer.com. Any questions regarding the appropriateness of who should wear a badge should be directed toward the RSO.
2. The dosimetry coordinator will exchange all the facility badges on the wear period intervals indicated on the badge. Previous badges will be mailed back to Landauer for analysis.
3. Radiation badges are generally worn at the collar and only by the person indicated on label of the badge. The proper wear location is indicated on the label as a dot on the human body on the front of the badge. Only wear the radiation badge at the indicated position. When protective apparel is used then the badge will be worn at the collar outside the protective apparel.
4. Occupational doses will remain below applicable regulations. If the annual limit is exceeded then the employee will be reassigned for the remainder of the calendar year to an area that does not contribute to additional radiation exposure. The proper regulatory agency will be notified if an annual limit is exceeded.

RADIATION MONITORING PROGRAM

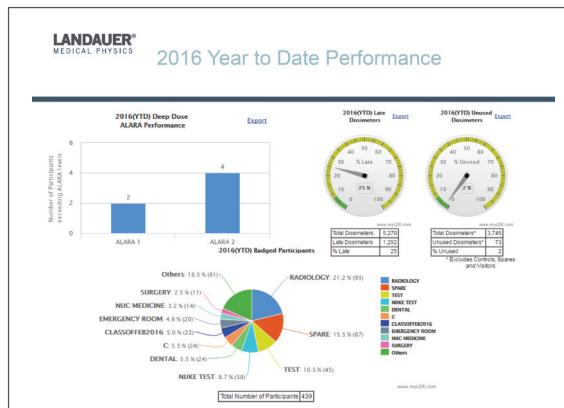
Policy and Procedure Example Forms

Collective Deep Dose Trending and Analysis

Your Radiation Safety Support Services partner will:

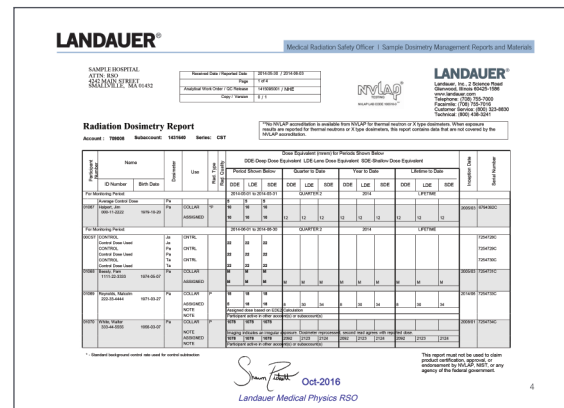
- Prepare quarterly Radiation Safety Committee executive summary with remote participation by teleconference as required
- Review dose reports and provide electronic signoff
- Manage ALARA Recap Reports and ALARA II Notifications with follow-up

Quarterly Executive Summary compiles information into a customized presentation:



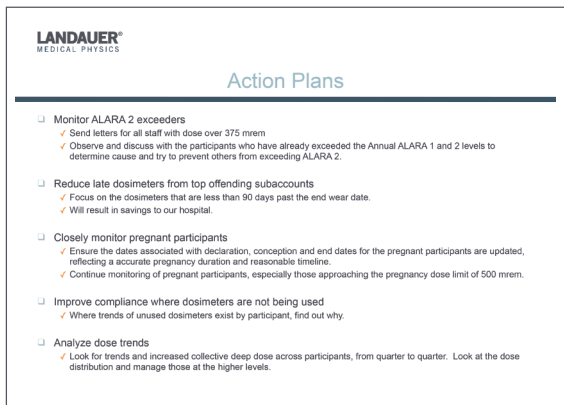
YTD Performance Dashboard

ALARA Performance, Late/Unused Dosimeters, Participant Overview & Trending



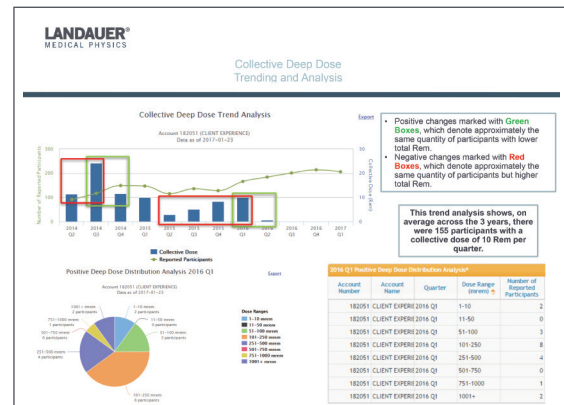
Sample Exposure Report

Electronic sign off available



Action Plan

Customized action plan developed based on actionable data



Trend Analysis

Call out positive and negative trends with summary

LANDAUER has the unique expertise to support regulatory and dosimetry management compliance

- Full staff of Certified Health Physicists and highly qualified experts in diagnostic imaging and nuclear medicine
- Unique combination of experts in dosimetry and radiation safety compliance

Learn More
Contact us at 1-888-831-4880

LANDAUER®
MEDICAL PHYSICS

landauer.com/product/radiation-safety-support-services