



# COURSES

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## ROLI-3 Gamma Radiography Camera Operation Guide

### Standard Operating Procedure (SOP)

#### 1. Pre-Operation Checks:

- Verify source strength and validity.
- Inspect camera body, guide tube, crank unit, and collimator.
- Ensure survey meter and TLD badges are functional.
- Perform leakage tests if required.

#### 2. Setup at Exposure Site:

- Establish controlled zone with radiation signs.
- Connect guide tube to camera and place collimator.
- Position camera appropriately with safety clearance.

#### 3. Exposure Procedure:

- Connect and operate the remote crank unit.
- Move to a protected location and initiate exposure.
- Monitor radiation levels during exposure.

#### 4. Completion of Exposure:

- Crank the source back into the safe position.
- Use survey meter to confirm safe retraction.
- Disconnect accessories and store properly.

#### 5. Post-Exposure:

- Record exposure details in the logbook.
- Process and store the film properly.

### Daily Operation Checklist

- ☐ Source strength and expiry verified
- ☐ Survey meter calibration checked
- ☐ TLD badge and dosimeters worn
- ☐ Visual inspection of ROLI-3 equipment done
- ☐ Barricades and radiation signs in place
- ☐ Film loaded and marker identification done
- ☐ Source retracted and confirmed post-exposure
- ☐ Logbook entries completed



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## Sample Radiography Logbook Format

| Date       | Source Activity (Ci) | Exposure Time (min) | Film No. | Component ID  | Operator Name |
|------------|----------------------|---------------------|----------|---------------|---------------|
| 2025-04-20 | 20 Ci                | 5                   | F1234    | Pipe Weld W01 | R. Kumar      |

**We wish you all the very best in your career journey!**

If you need any guidance or assistance with the courses, certifications, or job opportunities, please don't hesitate to reach out. I am always here to support you. 🙌

Warm regards,

**Siddharth Tripathi**

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