

Ahlstrom Windsor Locks, LLC

(Attachment related to Item 10. Radiation Safety Program-Maintenance)

**Procedure for Non-Routine Maintenance of
ABB/Measurex Basis Weight Gauges**

Scope: To ensure personnel safety during the repair of an ABB or Measurex Basis Weight Gauge containing KR-85 sealed sources.

Authorized Personnel:

1. Only personnel authorized by the NRC or an Agreement State shall perform non-routine service on the Basis Weight Gauges.
2. In house personnel are not authorized to replace or dispose of sealed radioactive sources. This work will be contracted to the device's manufacturer or other outside service that is authorized by the NRC or an Agreement State.

Preparations:

1. Ensure that survey meter is in calibration. Perform battery check and check source verification.
2. Use a personal dosimeter, located on clothing so as to measure the maximum exposure that could occur during service.
3. Use techniques to minimize radiation exposure, consistent with the ALARA principal. This includes planning the proposed work in order to minimize exposure time, and maximizing distance and shielding.
4. Notify area personnel, restrict access to the work area, and use appropriate signs as necessary to insure that doses to personnel and members of the public are within regulatory limits.

Parts:

1. Use only manufacturer approved parts.
2. Replacement parts are to be obtained from the manufacturer using the appropriate part number marked on the old part or as listed in the manufacturer's Basis Weight Sensor Manual.

Procedures:

1. Whenever possible, use procedures from the manufacturer's Basis Weight Sensor Manuals and Radiation Safety Manuals.
2. Use the survey meter to ensure that the shutter is closed before removing any gauge covers. If necessary, tie wrap or mechanically lock the shutter in the closed position during maintenance to prevent it inadvertently opening.
3. Do not perform any work on the source itself or its shielding.
4. Never defeat safety interlocks as part of the troubleshooting or repair operation.
5. Insure that the source is secure at all times. Do not leave the gauge unattended if there is any possibility of unauthorized access or exposure.
6. When work is complete, verify that all covers are in place. Verify proper gauge operation. Record survey results and maintain records for 3 years.

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**Personnel Authorized to Perform Non-Routine Maintenance on ABB or Measurex
Basis Weight Sensors containing KR-85.**

Timothy P. Daly

Training:

- Accuray 1180 Micro(ABB) – 3/1982
- Measurex Vision 2002ET(Honeywell-Measurex) – 2/1989
- Radiation Safety Officer Training(Radiation Safety Associates, Inc.) – 6/1993
- Accuray Smart Platform(ABB) – 5/1997
- Accuray 1190 Hardware and Maintenance(ABB) – 9/2000

Experience:

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| - Military service in the US Naval Nuclear Power program | 1972-1977 |
| - Duties as Control Systems Engineer with Ahlstrom-Dexter LLC including maintenance and repair of ABB and Measurex Basis Weight Sensors | 1977-2002 |
| - Duties as RSO with Ahlstrom-Dexter LLC | 1994-2002 |