

IN-HOUSE PROCEDURE # _____

PROCEDURE FOR NUCLEAR DENSITY GAUGE LEAK TESTS

Item:

Leak Test

Purpose:

This method provides instructions for conducting a leak test on a nuclear density gauge.

Inspection Equipment Required:

1. Leak test kit

Tolerance:

Equipment shall meet the requirements of the U.S. Nuclear Regulatory Commission (NRC).

Procedure:

1. Attach your radiation monitoring badge to your body as required.
2. Lock the source rod into the safe position.
3. Remove the control panel from the gauge front.
4. Locate the yellow radiation label in the middle of the gauge base on top of the circuit board.
5. Wipe the yellow label with the wipe disk using tongs or with a wipe swab. If the wipe disk is attached to a paper pad, do not remove the wipe disk from the pad.
6. Turn the gauge on its side and wipe around the opening for the source rod.
7. Seal the wipe disk into the plastic bag, fill out all the information requested, and complete the leak test form.
8. Reassemble the control panel.
9. Secure the gauge properly.
10. Mail the completed form and wipe test to the testing laboratory.