

**SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION**

1. LICENSEE The Doe Run Company REPORT NUMBER(S) 2009-001		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532	
3. DOCKET NUMBER(S) 03029604	4. LICENSE NUMBER(S) 24-24815-01	5. DATE(S) OF INSPECTION February 12, 2009	
6. INSPECTION PROCEDURES USED 87124 (11/25/03)	7. INSPECTION FOCUS AREAS 03.01-03.07		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03120	2. PRIORITY 5	3. LICENSEE CONTACT Mike Reed, RSO	4. TELEPHONE NUMBER 573-626-4855
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Main Office Inspection Next Inspection Date: **February 2014**

Field Office **Fletcher Mill and Sweetwater Mill**

Temporary Job Site Inspection

PROGRAM SCOPE

The licensee is a lead/zinc refinery, mill, and mine authorized to use cesium-137 in sealed sources for level or density measurements. The licensee currently possesses the total number of gauges as indicated in the license file for each location and all are in use. Licensed material at the Buick Resource Recycling facility was removed and none currently at that location. At the time of the inspection, a total of 1-2 maintenance personnel at each location of use and the RSO were involved in licensed activities. Two survey meters are available and are calibrated annually. Ambient surveys of select gauges in areas which could be routinely occupied by plant personnel indicated less than 2 mrem/hr. No change in RSO since the previous inspection.

Performance Observations

During the inspection, the licensee's RSO demonstrated/discussed: (1) survey meter use and calibration; (2) tag out procedures; (3) signage (4) security of licensed material; (5) gauge maintenance and removal; (6) staff training; (7) leak tests, which are done every 36 months on each gauge, on a staggered schedule, so all gauges are not due at the same time; (8) 6-month inventories and shutter tests; and (9) personnel dosimetry which is provided to staff that are authorized for gauge maintenance.