

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

<p>1. LICENSEE/LOCATION INSPECTED:  <i>Peabody Midwest Mining, LLC</i>  <i>7100 Eagle Crest Blvd</i>  <i>EVANSVILLE, IL</i>                  REPORT NUMBER(S) 15-01</p>	<p>2. NRC/REGIONAL OFFICE                  Region III                  U. S. Nuclear Regulatory Commission                  2443 Warrenville Road, Suite 210                  Lisle, IL 60532-4352</p>
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<p>3. DOCKET NUMBER(S)                  030-32790</p>	<p>4. LICENSE NUMBER(S)                  13-15133-05</p>	<p>5. DATE(S) OF INSPECTION                  4/14/15</p>
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**LICENSEE:**  
 The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

1. Based on the inspection findings, no violations were identified.

2. Previous violation(s) closed.

3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, to exercise discretion, were satisfied.

\_\_\_\_\_ Non-cited violation(s) were discussed involving the following requirement(s):

4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.  
 (Violations and Corrective Actions)

**Statement of Corrective Actions**

I hereby state that, within 30 days, the actions described by me to the Inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

TITLE	PRINTED NAME	SIGNATURE	DATE
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	E.L. Kulzer	<i>E.L. Kulzer</i>	4/14/15
BRANCH CHIEF	<i>Armen T. McCann</i>	<i>[Signature]</i>	5/5/15

**Docket File Information**

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Peabody Midwest Mining, LLC 7100 Eagle Crest Blvd. Evansville, IN 47715  REPORT NUMBER(S) 15-01	2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
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3. DOCKET NUMBER(S)  030-32790	4. LICENSE NUMBER(S)  13-15133-05	5. DATE(S) OF INSPECTION  4/14/2015
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6. INSPECTION PROCEDURES USED IP 87124	7. INSPECTION FOCUS AREAS 03.01 through 03.07
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S) 03120	2. PRIORITY 5	3. LICENSEE CONTACT Randy Bowman	4. TELEPHONE NUMBER (812) 434-8500
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Main Office Inspection                      Next Inspection Date: 04/14/2020  
 Field Office Inspection    7255 East County Road 600 South, Carlisle, IN  
 Temporary Job Site Inspection \_\_\_\_\_

**PROGRAM SCOPE**

This was a routine inspection of a strip coal mine in southern Indiana. The licensee possessed a Thermo Gamma Metrics Model CB-HI bulk material element analyzer, containing 10.3 millicuries californium-252 and 9.8 millicuries of cesium-137, for measuring the elemental composition of coal, and three Texas nuclear generally licensed density gauges (1 Model 5201 containing 100 millicuries cesium-137, and 2 Model 5202 containing 350 millicuries of cesium-137). The gauges and analyzer were installed by the vendor who performs maintenance on the gauges. The radiation safety officer is located in Evansville, IN. The licensee does not perform any service or maintenance activities on its gauges.

**Performance Observations**

The plant facility was toured and all of the gauges were observed. The inspector determined that all of the labels and postings were legible and radiation levels were less than 2 millirem per hour. The alternate radiation safety officer indicated that personnel working near the gauges and analyzer had been trained by the vendor. Interviews conducted with plant workers revealed that under no circumstances would the analyzer be entered without the use of lock-out/tag-out procedures. The inspector performed independent and confirmatory radiation measurements which indicated similar results as noted in the license.

No violations of NRC requirements were identified during the inspection.