

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Liberty Mine, LLC.

250 Cross Pointe Blvd
Evansville, IN 47715

REPORT NUMBER(S) 17001

2. NRC/REGIONAL OFFICE

Region III
U. S. Nuclear Regulatory Commission
2443 Warrenville Rd, Suite 210
Lisle, IL 60532

3. DOCKET NUMBER(S)

030-39029

4. LICENSE NUMBER(S)

13-35409-01

5. DATE(S) OF INSPECTION

August 31, 2017

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	Zahid Sulaiman, Health Physicist	<i>Zahid Sulaiman</i>	8/31/17
BRANCH CHIEF	Aaron T. McCraw, Chief, MIB	<i>A. McCraw</i>	9/22/17

Docket File Information
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3. DOCKET NUMBER(S) 030-39029	4. LICENSE NUMBER(S) 13-35409-01	5. DATE(S) OF INSPECTION August 31, 2017
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6. INSPECTION PROCEDURES USED 87124	7. INSPECTION FOCUS AREAS 03.01 - 03.07
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03120	2. PRIORITY 5	3. LICENSEE CONTACT Korre Ubelhor, RSO	4. TELEPHONE NUMBER (812) 473-0700
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Main Office Inspection Next Inspection Date: 08/31/2022

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was an initial inspection of a coal mining company that produces and ships coal. The licensee employed approximately 80 individuals at the Booneville, Indiana facility, who work in two shifts. The licensee possessed one SABIA Model X1-Linx Analyzer, Serial No. 2202 fixed gauge installed on top of the conveyor belt. The device contained eight californium-252 (Cf-252) Sources. The sources are exchanged every 2.6 years per manufacture specification. The device was installed on 6/27/2017 and was operational on 6/28/2017. The leak test and surveys were performed by the manufacture's. The licensee did not perform any service or maintenance activities on its gauge. The services were performed by the manufacturer or authorized vendor. The licensee employed one authorized user who completed the manufacturer's training.

Performance Observations

The inspection consisted of interviews with select licensee personnel; review of select records; a tour of the coal mine; and independent measurements. The inspector physically verified the location of the fixed gauge. The inspector observed the proper signage and barrier installed underneath the conveyor belt to prevent inadvertent exposure to radiation. The inspector reviewed the inventory, radiation surveys, and leak test. The inspector reviewed the new gauge installation certificate and the operational checks conducted by the manufacturer. Interviews with the licensee staff demonstrated that the staff was knowledge about NRC regulatory requirements. The inspector performed independent and confirmatory radiation measurements at the fixed gauge location and underneath the conveyor belt that were consistent with licensee survey records and within regulatory limits.

No violations of NRC requirements were identified as a result of this inspection.