

<b>DIVISION OF MINES</b>	<b>CHAPTER: IV Inspections</b>
<b>PROCEDURES MANUAL</b>	
	<b>PROCEDURE NO: 1.04.03</b>
	<b>ISSUE DATE: January 1, 1997</b>
<b>SUBJECT: Reopening Inspection</b>	<b>LAST REVISED: 08/98;08/05</b>

## **OBJECTIVE AND INTENT**

To provide for a reopening inspection for newly licensed mines and assist with promoting compliance with the Mine Safety Act and improved health and safety standards prior to beginning production.

## **GENERAL**

1. Technical Specialist will perform reopening inspections when requested by an operator.
2. The Technical Specialist will notify the Inspector and Inspector Supervisor when re-openings are started and completed.
3. The Technical Specialist will perform the re-opening inspection according to the following procedures. Deficiencies will be noted and copied to the operator. The operator is responsible for correcting deficiencies.
4. When notified that the deficiencies are corrected the technical specialists will visit the mine and inspect previously cited deficiencies.
5. A reopening inspection will not be completed if production starts before deficiencies are corrected; if this occurs the assigned inspector will be notified and a regular inspection will be started.

## **PROCEDURE**

### **1. REOPENING INSPECTION BY TECHNICAL SPECIALIST**

- Section 45.1-161.63. An inspection of a mine is required prior to resumption of production activities after an extended idle period or abandonment.
- Guidelines for Inspection (Electrical Technical Specialist):
  - a. Certifications – Section 45.1-161.28
  - b. Record books (weekly, monthly) – Section 45.1-161.195
  - c. Surface transmission lines, wiring in buildings – Section 45.1-161.181
  - d. Transformers – Section 45.1-161.182 and 45.1-161.183
  - e. Battery chargers, Substations – Section 45.1-161.185

- f. Power circuits, trolley wires (when applicable) – Section 45.1-161.186 and 45.1-161.187
- g. Grounding systems – Section 45.1-161.188
- h. Circuit breakers – Section 45.1-161.189
- i. Electrical equipment – Section 45.1-161.195
- j. Trailing cables – Section 45.1-161.194 and 45.1-161.283
- k. Methane monitors – Section 45.1-161.195
- l. Belt drives – Section 45.1-161.135
- m. Conduct safety talks
- n. Provide technical assistance, if requested
- o. Provide technical training or make arrangements for training if requested

## 2. SURFACE OF UNDERGROUND REOPENING INSPECTION

- Mine license – Section 45.1-161.57
- Mine map – Section 45.1-161.64
  - a. Water impoundments
  - b. Adjacent old works
  - c. Gas wells
  - d. Mine cover, elevations
- Persons/18 years of age – Section 45.1-161.11
- Certifications – Section 45.1-161.28
- Communication – Section 45.1-161.191, Check-in/out system 45.1-161.174  
(Competent person on surface)
- Record books
  - e. Accident record – Section 45.1-161.79
  - f. Pre-shift/Section 45.1-161.208; On-shift/Section 45.1-161.209
  - g. Air measurement – Section 45.1-161.219
  - h. Fan record – Section 45.1-161.211
  - i. Electrical record – Section 45.1-161.195
  - j. Fire drill (6 week – 90 day) – Section 45.1-161.202
  - k. Weekly examination of return/escapeways – Section 45.1-161.210
- Instruments (CH<sub>4</sub> and O<sub>2</sub>) – Section 45.1-161.231
- Emergency Response Plan – Section 45.1-161.202 (Self-Contained Self-Rescuers)

- Suitable fire fighting equipment – Section 45.1-161.200
- Roof Control Plan – Section 45.1-161.109
- Fan Stoppage Plan – Section 45.1-161.217
- Bleeder Plan
- Plan for Smoker’s Articles Search 45.1-161.177 (B)
- Surface structures/conditions
  - a. Free of coal dust accumulation/dust tight construction – Section 45.1-161.240
  - b. Lamp house/lamps – Section 45.1-161.230
  - c. Stairways/platforms/runways/floor openings/crane operations – Section 45.1-161.239, 45.1-161.275
  - d. Housekeeping – Section 45.1-161.236, 45.1-161.261
  - e. Lighting j- Section 45.1-161.237
  - f. Flammable/combustible materials – Section 45.1-161.180, 45.1-161.238, 45.1-161.267
    - (1) Oil rags, oil waste, wastepaper
    - (2) 100 feet of mine opening free of combustible material
    - (3) Oxygen/acetylene bottles
- Fan Installation
  - a. Offset 15-feet – Section 45.1-161.216
  - b. Fireproof housing – Section 45.1-161.216
  - c. Explosion door – Section 45.1-161.216
  - d. Fan alarm – Section 45.1-161.216
  - e. Separate power circuit – Section 45.1-161.216
  - f. Free of combustible material/100-feet – Section 45.1-161.216
  - g. Exhausting/unless otherwise approved – Section 45.1-161.216
  - h. Water gauge – Section 45.1-161.216
  - i. Guards – Section 45.1-161.216
- Highwall
  - a. Condition – Section 45.1-161.109
  - b. Portal apron construction – Section 45.1-161.109
- Belt Structure
  - a. Guarded – Section 45.1-161.124
  - b. Slip switch/control switches – Section 45.1-161.135

- c. Fire extinguishers – Section 45.1-161.200
- d. Electrical mats – Section 45.1-161.189

### 3. UNDERGROUND REOPENING INSPECTION

- Intake Travelway (Escapeway)
  - a. Roof, rib evaluation – Section 45.1-161.116
  - b. CH<sub>4</sub>/O<sub>2</sub> examination – Section 45.1-161.208
  - c. Stopping line construction/mandoors/lifeline – Section 45.1-161.224
  - d. Direction signs/numbering or stoppiness – Section 45.1-161.166
  - e. Rockdust/cleaning – Section 45.1-161.234 and 45.1-161.235
- Return Aircourse
  - a. Roof, rib condition – Section 45.1-161.116
  - b. Construction – Section 45.1-161.228
  - c. CH<sub>4</sub>/O<sub>2</sub> examination – Section 45.1-161.208
- Working Places
  - a. Roof and rib conditions – Section 45.1-161.116
  - b. CH<sub>4</sub>/O<sub>2</sub> examination – Section 45.1-161.208
  - c. Air measurement – Section 45.1-161.219
    - (1) 9,000 cfm locc/intake pillar line – Section 45.1-161.219
  - d. Cleaning/rockdusting – Section 45.1-161.234 and 45.1-161.235
  - e. Bolt spacing – Section 45.1-161.108
  - f. Sightline – Section 45.1-161.108
  - g. Materials to support roof – Section 45.1-161.115
  - h. Slate bar/safety jacks – Section 45.1-161.118
  - i. Two 40 ton lifting devices – Section 45.1-161.115
  - j. First aid equipment (First Responder/EMT/Advanced First Aid) – Section 45.1-161.262
  - k. Escapeway map/Emergency Response Plan – Section 45.1-161.202
- Beltline/Beltdrives
  - a. Roof, rib condition – Section 45.1-161.116
  - b. CH<sub>4</sub>/O<sub>2</sub> examination – Section 45.1-161.208
  - c. Cleaning/rockdusting – Section 45.1-234 and 45.1-161.235
  - d. Control switches – Section 45.1-161.189
  - e. Guards – Section 45.1-161.123
  - f. Fire extinguishers/rockdust/fire hose – Section 45.1-161.200

- Equipment
  - a. ATRS System/bolting machine
    - (1) Certification by Engineer
    - (2) Condition
    - (3) Meets rules/regulations/guidelines