

Attachment

Specific chapters and sections in the Coal Mine Safety and Health Self-Rescuer (SR) Inspection Procedures Handbook, PH00-V-II, have been incorporated into the following MSHA directive:

Chapter 1 of the SR Inspection Procedures Handbook, Annual Review of Approved SCSR Storage Plans is incorporated into SOPs for conducting such reviews. The following includes specific recommendations for the topics currently included in Chapter 1 of the SR Inspection Procedures Handbook:

Section A, **Changes In Mining Conditions and/or Mining Process** is maintained in the SOP which should require a mine-site visit to check plan parameters.

Section B, **Requiring Changes To Previously Approved Plans**, is replaced with a statement in the PIL requiring such changes to be initiated in accordance with previously established Program Policy.

Section C, **Documentation of Annual Plan Review**, is to be detailed in the SOP and incorporated into the Uniform Mine File Handbook.

Chapter 2 of the SR Inspection Procedures Handbook, Quarterly Evaluation of Approved Plan Parameters for SCSR Storage Plans, is incorporated into the Coal General Inspections Procedures Handbook. This activity will be incorporated into mandatory regular inspections (AAA). The following includes specific recommendations for the topics currently included in Chapter 2 of the SR Inspection Procedures Handbook:

Section A, **Quarterly Mine-Site Evaluations**, is to be conducted during each mandatory regular inspection at mines with approved SCSR storage plans. Inspection requirements in this section of the SR Inspection Procedures Handbook will be incorporated directly into Chapter 3 of the General Inspections Procedures Handbook.

Section B, **Noncompliance Determinations**, is duplicative since procedural instruction for enforcement actions on violations of approved SCSR storage plans is detailed in existing Program Policy. Therefore, information contained in this section does not need to be repeated.

Section C, **Documentation of Quarterly Plan Evaluation**, is to be documented during each mandatory regular inspection at mines with approved SCSR storage plans. Documentation requirements from this section of the SR Inspection Procedures Handbook will be incorporated into Chapter 8 of the General Inspections Procedures Handbook.

Chapter 3 of the SR Inspection Procedures Handbook, Quarterly Physical Inspection of Self-Rescue Devices, is incorporated into the Coal General Inspections Procedures Handbook. This activity will be incorporated into mandatory regular inspections. The following includes specific recommendations for the topics currently included in Chapter 3 of the SR Inspection Procedures Handbook:

Section A, **Number of Devices To Be Inspected**, is replaced by a requirement to inspect a representative number of each type of SR device during each mandatory regular inspection. Instructions are provided for a representative number of each type of SR at the mine but not less than 10%. A higher percentage of devices are to be inspected when worn/carried or machine/equipment mounted.

Section B, **Prior To Conducting The Physical Inspection**, includes requirements for inspector familiarity with each type of SR device. This is an administrative matter regarding MSHA personnel training and will be addressed in the Administrative Policy and Procedures Manual (APPM).

Section C, **Physical Inspection Procedures**, is incorporated into Chapter 3 of the General Inspections Procedures Handbook.

Section D, **Noncompliance Determinations**, is duplicative since procedural instruction for enforcement actions regarding SCSR devices is detailed in existing Program Policy. Therefore, information contained in this section does not need to be repeated.

Section E, **Documentation Requirements**, is to be included in inspection notes for each mandatory regular inspection. Documentation requirements from this section of the SR Inspection Procedures Handbook will be incorporated into Chapter 8 of the General Inspections Procedures Handbook. Since this documentation will be recorded in the inspector's notes, the Self-Rescuer Data Sheets in Appendix B of the SR Inspection Procedures Handbook are eliminated.

Chapter 4 of the SR Inspection Procedures Handbook, Periodic Monitoring of Self-Rescuer Part 48 Training, is addressed by the incorporation of a provision for discussing donning procedures and for contacting the local training liaison/specialist

regarding SR training issues into Chapter 3 of the General Inspections Procedures Handbook.

Chapter 5 of the SR Inspection Procedures Handbook, Annual Survey of Self-Rescue Devices, is incorporated into SOPs for collecting the data and entering it into the SR Database. The information will be documented on MSHA Form 2000-220 and filed in the Uniform Mine File. The Uniform Mine File Procedure Handbook is revised to include survey documentation.

Chapter 6 of the SR Inspection Procedures Handbook, Self-Rescuer Training for CMS&H Personnel is incorporated into the APPM. This is an internal administrative matter and is addressed in the APPM.

Chapter 7 of the SR Inspection Procedures Handbook, Investigating and Reporting Problems with Self-Rescue Devices, is incorporated into SOPs for investigating and reporting problems involving the use of a SR device.

Chapter 8 of the SR Inspection Procedures Handbook, Long-Term Self-Rescuer Durability Study, is not mentioned in the IG Report and is discontinued. In an effort to obtain more detailed information regarding how well the various SR devices withstand normal in-mine-use conditions, MSHA, in conjunction with NIOSH, developed a Long-Term SR Durability Study. To date, this study has had little impact on the quality assurance effort it was designed to support. Therefore, this durability study, including the material in Appendix C of the SR Inspection Procedures Handbook, is discontinued. However, NIOSH's Long-Term Field Evaluation (LTFE) has shown the most promise and will be an ongoing SR quality assurance program.

Self-Rescuer
Survey Data Form

U.S. Department of Labor
Mine Safety and Health Administration

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1. Dates of Survey: Start: ___/___/___ End: ___/___/___
 2. MSHA Office Code: _____
 3. Inspector's AR Number: _____
 4. Supervisor Initial: _____
 5. Mine ID Number: ___ - _____
 6. Mine Name: _____
 7. Company Name: _____
 8. Total Number of Underground Miners, Including Contractor Employees: _____; and By Shift:
 - (a) Midnight/Owl/1st: _____ Start Time: ___:___ Quit Time: ___:___
 - (b) Day/2nd: _____ Start Time: ___:___ Quit Time: ___:___
 - (c) Aft/Eve/3rd: _____ Start Time: ___:___ Quit Time: ___:___
 - (d) Staggered/Overlapping/Extended Shifts: enter maximum number of miners underground at any given time: _____; and average length of shift in hours: ___ Hrs.
 - (e) Scheduled production days: 1)Mon. ___ 2)Tue. ___ 3)Wed. ___ 4)Thur. ___ 5)Fri. ___ 6)Sat. ___ and 7)Sun. ___
 9. For each type of self-rescue device provided for use at the mine, enter the quantity in the appropriate block:
 - (a) CSE: SR-100 SCSR Quantity: _____
 - (b) MSA: Life Saver 60 SCSR Quantity: _____
 - (c) Draeger: OXY K Plus SCSR Quantity: _____
 - (d) Ocenco: EBA 6.5 SCSR Quantity: _____
 - (e) MSA: W65 FSR Quantity: _____
 - (f) Ocenco: M-20 SCSR Quantity: _____
 - (g) Other: Specify _____ Quantity: _____
 10. Is a record available at the mine to document that the mine operator is conducting the required 90-Day inspections on each of the self-rescue devices provided for use at the mine? Y ___ N ___
 11. Does the mine have an approved SCSR storage plan in effect allowing miners to be further than 25 feet from their 1-hour SCSR? Y ___ N ___ If Yes:
 - (a) distance from the face to the storage cache in feet; ___ ft.; and
 - (b) are devices stored in accordance with the manufacturer's approved requirements? Y ___ N ___

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12. Are self-rescue devices stored on mining equipment? Y__ N__ If Yes, check each appropriate block to identify the type of mining equipment. Further, using **Items 9 (a) through (g)** above, identify the type of self-rescue devices observed on the mining equipment.

<u>Type(s) Of Mining Equipment</u>	<u>Type(s)Of Self-Rescue Devices</u>
(a) __ Continuous Miner	____;____;____;____;____;____;____
(b) __ Shuttle Car	____;____;____;____;____;____;____
(c) __ Roof Bolter	____;____;____;____;____;____;____
(d) __ Scoop Car	____;____;____;____;____;____;____
(e) __ Longwall Shield	____;____;____;____;____;____;____
(f) __ Personnel Carrier	____;____;____;____;____;____;____
(g) __ Locomotive	____;____;____;____;____;____;____
(h) __ Other: Specify _____	____;____;____;____;____;____;____

Are Self-Rescue Devices:

- (i) Secured on the mining equipment? Y__ N__;
- (j) Protected from accidental damage? Y__ N__; and
- (k) Left on equipment between shifts? Y__ N__.

13. What is the average mining height, in inches, of the primary escapeway? _____ inches.

14. Using the primary escapeway what is the distance, in feet, from the deepest working section in the mine to the surface or bottom of an emergency escape facility? _____ feet.

15. Does the mine provide SCSRs at strategic locations for the purpose of providing protection to the surface or a safe location? Check Y__ N__ If yes:
 (a) is the location of these SCSRs approved by the district manager? Y__ N__

Comments: _____

Instructions For Completing
MSHA Form 2000-220 (October 2000 Revised)

- Item 1.** Enter the start and end dates of the survey. If the survey took only one day, only one date is needed.
- Item 2.** Enter the code of the MSHA office that has inspection jurisdiction for the identified mine.
- Item 3.** Enter AR Number of inspector who conducted the survey.
- Item 4.** The supervisor assigned inspection responsibility for this mine should review the form for legibility and completeness and then initial this block.
- Item 5.** Enter the 7-digit Legal ID Number.
- Item 6.** Enter the Mine Name as shown in the Legal ID.
- Item 7.** Enter the Company Name as shown in the Legal ID.
- Item 8.** Enter the total number of miners who work underground, including contractor employees; then enter the number by shift in the block corresponding to the appropriate shift, and enter the starting and quitting time of each shift. Items (a), (b), and (c) should be completed for all mines that do not work a staggered, overlapping, or extended shift, even if coal is produced on only one or two shifts. If the mine works a staggered, overlapping, or extended shift, only item (d) should be checked. Enter the maximum number of miners underground at any given time, including contractor employees, and the average length of the shift in hours. Item (e) pertains to scheduled production shifts only and should be completed for all mines by placing a check after the appropriate day(s) of the week.
- Item 9.** Enter the quantity of each type of self-rescue device provided for use at a mine. Item (g) should only be completed if a mine is using a self-rescue device that is not identified on the list of approved devices.
- Item 10.** Check the appropriate response: either Yes or No.
- Item 11.** Check the appropriate response: either Yes or No. If the mine has an approved plan but the plan is not in effect, the No block should be checked. If the Yes block is checked, enter the travel distance, in feet, from the furthest face to the section storage cache in item (a). If needed, use the time, height, and distance chart in the Program Policy Manual, under 75.1714-2, to convert travel time to feet.

**Instructions For Completing
MSHA Form 2000-220 (August 2000)**

Item 12. Check the appropriate response: either Yes or No. This applies to all types of self-rescue devices. If an inspector observes any self-rescue device being stored on any type of mining equipment, the Yes block should be checked and Item 12 completed as follows:

Check the appropriate block, Items (a) through (h), to identify the type(s) of mining equipment the self-rescue devices were found on.

Identify the type(s) of self-rescue devices found on the mining equipment by entering the appropriate letter from Item 9 (a) through (g) after the type of mining equipment. If a self-rescuer is being stored on a piece of mining equipment that is not identified by name, Item (h) should be completed, specifying the type of affected mining equipment.

Check the appropriate Yes or No box for Items (i); (j); and (k).

Item 13. Enter the average mining height in inches for the primary escapeway. Where the mining height varies significantly, the inspector should figure the overall average mining height in inches and enter only one figure.

Item 14. Enter the total distance in feet from the deepest working section in the mine by following the primary escape route to the surface. If the miners cannot exit to the surface via the primary escape route, the inspector should enter the distance to the bottom of the emergency escape facility.

Item 15. If a mine operator provides any SCSR devices at strategic locations for the purpose of providing protection to the surface or to a safe location, the Yes block should be checked. This applies to SCSR devices other than those located in the section storage cache as specified in the approved SCSR storage plan allowing miners to be more than 25 feet from their one-hour SCSR. If the Yes block is checked, the inspector should determine if the District Manager has approved the location of these devices and check the appropriate block for item (a) Yes or No.

The data on MSHA Form 2000-220 will be entered in a District Self-Rescuer Survey Database. Accordingly, it is essential that all appropriate items be completed and that the information be legible and accurate, as determined at the time of the inspection. Copies of the form should be:

1. maintained with the completed inspection report; and
2. filed in the Uniform Mine File Notebook for the affected mine behind the tab marked Fire Fighting and Evacuation.