

WP 04-AU1026

Revision 2

Self-Rescuer Inspection

Technical Procedure

EFFECTIVE DATE: 06/30/08

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APPROVED FOR USE

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INTRODUCTION^{1, 2, 3}

The purpose of this procedure is to provide instructions to ensure the functional reliability of the MSA W-65 self-rescuer and the EBA 6.5 Self-Contained Self-Rescuer (SCSR) used by personnel accessing the underground at the Waste Isolation Pilot Plant (WIPP).

This procedure generates the following record:

- Attachment 1, Self-Rescuer Quarterly Check
- Attachment 3, Self-Contained Self-Rescuer Quarterly Check

All records generated by the implementation of this procedure will be handled, stored and dispositioned in accordance with the appropriate department/section's Records Inventory and Disposition Schedule.

REFERENCES

BASELINE

- 30 CFR 57, Safety and Health Standards - Underground Metal and Nonmetal Mines
- U.S. Department of Labor Program Information Bulletin No. P92-15
- Hazardous Waste Facility Permit, Waste Pilot Plant, Permit No. NM4890239088 - TSDf issued by the New Mexico Environment Department, October 27, 1999.

REFERENCED

- WP 04-IM1000, Issues Management Processing of WIPP Forms
- EA04IM1000-1-0, WIPP Form

PRECAUTIONS AND LIMITATIONS

- As required by 30 CFR 57, manufacturer's recommendations for inspection will be followed during all inspections.
- SCSRs shall be checked and information recorded by the individual designated in the Hazardous Waste Facility Permit, Waste Pilot Plant, Permit No. NM4890239088 - TSDf issued by the New Mexico Environment Department, October 27, 1999. This individual shall be familiar with the requirements of this procedure and the manufacturers' recommendations.

PERFORMANCE

1.0 INSPECTION OF MSA W-65

- 1.1 Remove the MSA W-65 self-rescuer from its protective pouch and remove all foreign particles.
- 1.2 **IF** the date on the MSA W-65 label indicates either of the following in-service life criteria has been exceeded, **THEN** discard the self-rescuer:
 - Fifteen years from the date of manufacture
 - Ten years from the date put into service
- 1.3 Weigh the self-rescuer on a calibrated scale.
- 1.4 Compare the weight of the self-rescuer with the factory weight stamped on the bottom of the self-rescuer.
- 1.5 Destroy, after disassembling all self-rescuers weighing more than ten grams over the factory weight.
- 1.6 Examine the self-rescuer visually to assess its continued service using the following criteria:
 - Banding seal is in place and unbroken
 - Canister is **NOT** damaged around the sealing surface
- 1.7 Discard all damaged self-rescuers.
- 1.8 Record the following data for self-rescuers that pass the inspection in Attachment 1, Self-Rescuer Quarterly Check:
 - Date
 - Test Equipment ID Number
 - Color Code
 - Calibration Due Date
 - Time of inspection
 - Self-rescuer model ID number
 - Self-rescuer serial ID number

- In-service date
- Actual weight
- Factory weight
- Pertinent remarks

1.9 Designated individual and Underground Operations Manager, when inspection is complete, print name, initials, signature, and date on Attachment 1.

1.10 Attach color coded tape, corresponding to the calendar quarter, around the body of the self-rescuer.

1.11 Return the self-rescuer for re-issue to the underground Dispatcher's office.

2.0 INSPECTION OF EBA 6.5

2.1 Remove the EBA 6.5 SCSR from storage cabinet and remove all foreign particles.

2.2 **IF** the date on the EBA 6.5 label indicates either of the following in-service life criteria has been exceeded,
THEN discard the SCSR:

- Fifteen years from the date of manufacture
- Ten years from the In-service date

2.3 Check the pressure gauge reading.

2.4 Inspect the latch seals remove the unit from service if no factory-installed seals are attached.

2.5 Inspect the apparatus for indication of abuse.

- If the view is obstructed through the case with any scuff marks, stickers, and paints the unit must be removed from service.

2.6 Inspect the unit for signs of high force impacts. Remove the unit from service if signs of strong impact are evident.

- Case cracked, burned or deformed
- U seal open or rolled

- Loose parts
 - Bottled strap (stainless steel)
 - Scrubber canister not in mounts
 - Screws or insert
 - On/Off valve positioned toward base
 - Bottle pad (red rubber) cut or displaced
 - Pressure gauge bent or indicator needle broken
 - Scrubber mounts bent
 - Scrubber dented
 - Dirt, debris, or moisture inside case
 - Handle loops broken (the plastic loops that hold the handle straps)
 - One or both of the two handle straps (black nylon straps) missing or broken
- 2.7 Observe if yellow mouth piece plug is in place. Remove from service if mouth-piece plug is displaced.

NOTE

If the EBA 6.5 SCSR fails any of the above inspections, it should be removed from service and returned to OCENCO, incorporated or an authorized repair station.

- 2.8 Remove all damaged SCSR from service.
- 2.9 Record the following data for SCSR that pass the inspection in Attachment 3, Self-Contained Self-Rescuer Quarterly Check:
- Date
 - Location
 - Time of inspection
 - SCSR serial ID No.
 - In-service date
 - Insert pass/fail
 - Pertinent remarks

3.0 ACTIONS FOR DELINQUENT INSPECTIONS

3.1 If a required inspection goes delinquent, perform the following:

3.1.1 Schedule and complete the inspection prior to equipment use.

3.1.2 Document the following in a letter to RCRA Permitting within five working days:

- The schedule for inspection
- The reason(s) why the inspection was not performed
- Any measures taken to offset negative impacts resulting from not performing the inspection
- Actions to prevent further delinquencies

3.2 Cognizant individual, **GO TO** WP 04-IM1000, Issues Management Processing of WIPP Forms, **AND** determine if a WIPP Form (EA04IM1000-1-0) is needed.

Attachment 2 - Self-Rescuer Color Codes

Self-rescuers shall be inspected at intervals not to exceed three calendar months. To ensure the self-rescuers are properly maintained, each inspection period will be designated by a different color code to differentiate the requirement for inspection. Eight colors will be used over a two year period.

COLOR	TIME PERIOD
VIOLET	1 st Quarter, Even numbered calendar years
BLUE	2 nd Quarter, Even numbered calendar years
GRAY	3 rd Quarter, Even numbered calendar years
YELLOW	4 th Quarter, Even numbered calendar years
WHITE	1 st Quarter, Odd numbered calendar years
GREEN	2 nd Quarter, Odd numbered calendar years
RED	3 rd Quarter, Odd numbered calendar years
ORANGE	4 th Quarter, Odd numbered calendar years

