

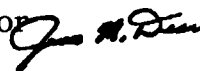


*State of West Virginia*  
**Joe Manchin III, Governor**

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**MEMORANDUM**

**TO:** All West Virginia Mine Operators

**FROM:** Jim Dean, Acting Director 

**DATE:** March 16, 2006

**RE:** Storage Cache Plan

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To assist the industry, the WV Office of Miners Health Safety and Training is making available the attached template for the submittal of the required Storage Cache Plan in accordance with Title 56, Series 4, Amended Emergency Rules Governing Protective Clothing and Equipment.

JMD:ks  
Attachment

## Title 56 Series 4 Emergency Rules Storage Cache Plan - SCSRs

Submittal Date: \_\_\_\_\_

Company Name:

Mine Name:

State ID:

MSHA ID:

Location:

Seam Height:

Number of  
Sections:

Name of Person Responsible for Plan:

Title:

Address:

City:

State:

Zip Code:

Contact Phone Number:

Type(s) of SCSRs Used:

Manufacturer	Model Number	Number Used
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Mining Method(s)

Miner

Longwall

Maximum number of miners on a given shift:

General Comments:

Each person working underground will be provided, wear or have within immediate reach, an SCSR that meets the provisions outlined in Section 55, Article 2, Chapter 22A. In instances where the miners are provided an approved belt wearable unit that is rated less than 1-hour, the caches will be located at intervals to insure the miner(s) will have adequate breathable air to reach a 1-hour cache.

Once approved by the Director, Emergency Shelters/Chambers designed to house and protect section miners with breathable air for a minimum of twenty-four (24) hours will be provided within 1000 feet of the nearest working face.

In lieu of an approved Emergency Shelter/Chamber, the operator may elect to store sixteen (16) SCSRs per man or provide equivalent air supplies, on the section.

## **System of Storage:**

**Working Sections:** One Cache comprised of two (2) 1-hour units per person reasonably expected to be working on the section will be located within 500 feet of the nearest working face. Note: In cases where a unit rated for less than 1-hour is worn on the miners belt, an additional 1-hour unit will be provided in the section cache for a total of three (3) per person reasonably expected to be working on the section.

**Construction or Rehabilitation Areas:** One Cache comprised of two (2) 1-hour units per person reasonably expected to be working in this area will be provided. The required number SCSRs satisfying this section may be stored on the mantrip in lieu of a storage cache. Note: In cases where a unit rated for less than 1-hour is worn on the miners belt, an additional 1-hour unit will be provided in the section cache or mantrip for a total of three (3) per person reasonably expected to be working in the area.

**Hot-seat Change out:** In the case where the working section or rehabilitation/construction site uses a hot-seat change out, the units on the accompanying mantrip along with the miner's belt wearable unit will provide coverage for the crew during their change out.

**Outby Units:** After the initial cache located on the working sections or rehabilitation/construction sites, additional caches containing sufficient units to provide one (1) unit per person reasonably expected to be working inby will be provided.

**Visitors:** As with the hot-seat change out, visitors accompanied by a company representative will be covered by the unit worn and the units stored on the mantrip used to convey the group during the visit.

## **Location of Caches - Intervals of Storage:**

Storage caches consisting of one (1) SCSR unit per person reasonably expected to be working inby will be located in the primary (intake) escapeway at intervals not to exceed thirty (30) minutes travel at a normal walking pace and at distances determined by the Table published in Title 56, Series 4, Section 5.3.2. That interval is based on the Table.

The cache locations will extend from the section or rehabilitation/construction site to the surface or closest escape facility to the surface.

The locations of the Storage Caches will be noted on the Section Escapeway maps.

Caches will be provided with an intrinsically safe, battery-powered, strobe light capable of continuous operation or activation in case of an emergency.

Cache strobes found to be inoperative will be promptly repaired or replaced.

Reflective signs marked "Self-Rescuer" or "Self-Rescuers" will be installed that will identify and provide direction and location of each cache.

Lifeline cords meeting the requirement of Title 56, Series 4, Section 7.3 and installed in the primary (intake) escapeway starting at the last permanent stopping on the section and extending to the surface or nearest point of egress via an escape facility.

The caches, strobes, and lifeline installations will be examined weekly.

### **Cache Construction:**

Cached units will be stored in a container constructed and maintained in accordance with the requirements of Title 56, Series 4, Section 5.1.2.

Said Caches will be constructed of fire retardant material or material treated with fire retardant paint or laminate and capable of protecting the SCSRs stored therein.

### **Training:**

Miners will be trained on the use of the unit(s) employed at the mine. Training should include "hands-on" and will require the student(s) to demonstrate the knowledge of opening, activating, donning and the transferring from one unit to the next.

The training shall be conducted by qualified persons familiar with the SCSR being presented.

The training should commence within two (2) weeks of receiving approval from the Director and every ninety (90) days thereafter.

Once approved and installed, miners shall be trained at least annually on the set-up and use of an Emergency Shelter/Chamber.

A record of those receiving the required training shall be kept at the mine and available for inspection by interested persons.

The training required in this plan shall be in addition to any Part 48, Annual Retraining requirements.

**Narratives:**

**Describe Size and Physical Features of the mine:**

**Outline a Schedule of Compliance, listing dates/milestones and estimated date of full compliance with the storage plan submitted for approval. The clock starts upon receipt of approval of this plan.**

**Attachments:**

**Statement of Analysis and Evaluation:**

The SCSR Storage Plan was developed after taking in consideration the criteria outlined in Title 56, Series 4, Section 6.3 and contains the information gathered in such review and includes all pertinent information needed to devise said plan.

**Statement of Training Dates:**

The training intervals for this plan are outlined in the respective sections of the plan. Included is an attachment summarizing those dates. Said schedule is contingent upon the receipt of approval from the Director.

**Statement / Schedule of Compliance:**

Within thirty (30) days of receipt of approval by the Director copies of contracts, purchase order(s) or other proof of purchase of materials required by this plan will be provided.

**Legible Map Showing:**

1. The proposed location of the storage caches in relation to persons underground.
2. The proposed location of the emergency shelter(s)/chamber(s) in relation to persons underground.
3. Location of lifelines.