Instructions for using the Part 48 and § 75.1502 Templates

The Mine Safety and Health Administration (MSHA) on March 9, 2006 issued an Emergency Temporary Standard (ETS). Two changes in this ETS require revisions for the Part 48 training plan and § 75.1502 program of instruction. These plan modifications must be submitted to the appropriate District Manager by April 9, 2006.

To assist in developing these plan and program revisions, we have developed templates, which can be downloaded and used. After reading the following instructions, click on this link for the templates.

Part 48 template

The changes to the Part 48 training plan include training in transferring from one self-rescue device to another self-rescue device used at the mine. This training must be included in New Miner, Experienced Miner, Annual Refresher, and Hazard Training. A template is provided to assist operators in complying with this rule change. The Part 48 template may be submitted as is with no modification. However, you may choose to submit your own training plan modification.

As a reminder, current regulations require you to furnish a copy of any Part 48 training plan modification to the miners' representative. If a miner's representative is not designated, you must post a copy of the training plan modification on the mine's bulletin board, at least two weeks prior to implementing the new plan.

§ 75.1502 templates

In addition, several changes to the Mine Emergency Evacuation and Firefighting program of instruction are required. These changes require operators to submit mine emergency scenarios, the best options for evacuation, and the conditions that require immediate donning of self-rescue devices. Templates are provided to assist in complying with this rule change. To utilize these § 75.1502 templates, fill-out the appropriate information and submit to the appropriate District Manager.

§ 75.1502 scenario template

The ETS requires developing scenarios that include the best options for evacuation during fire, explosions, or gas or water inundation. We have developed templates for each of these emergency scenarios. Each template is divided into four main columns: "location of event(s)," "location of miners and specific circumstances of the event," "best option(s) for evacuation," and "conditions requiring immediate donning of self-rescue device."

- In the location of event(s) column, state the specific location in the mine where the fire, explosion, or inundation event may occur.

- In the location of miners and specific circumstances of the event column, state the miners' location relative to the event. Also, state unique situations or circumstances created by, or associated with, the event. Examples of statements that can be placed in this column are:

  - ventilation controls that have been destroyed,
  - air qualities and quantities in areas of the mine,
  - status/location of electrical and mechanical equipment/vehicles,
  - the extent of fire, explosion, or inundation, etc.

- In the best options(s) for evacuation column, state the various safe routes for evacuation under the circumstances. For example, if a scenario involves a fire that began in, and is confined to, the primary escapeway, and no ventilation controls have been compromised, the safe evacuation route would involve traveling the secondary escapeway.

- In the conditions requiring immediate donning of self-rescue device column, state when miners should immediately don their FSR or SCSR. For example, if a scenario involves a section crew traveling outby to evacuate the mine, and the section foreman suddenly detects hazardous carbon monoxide levels on his gas detector, the crew should then immediately don their self-rescue devices.

Scenario training was included in this ETS to enhance the learning experience. As part of the evacuation drills, instruction on a variety of mine emergencies can be included. The integration of possible scenarios and actual drills will maximize the skills and knowledge needed for successfully evacuating the mine during an emergency.

§ 75.1502 continuous directional lifelines (equivalent device) & stored SCSRs template

The ETS requires that all miners be able to use and find the continuous directional lifelines and SCSR storage locations in the mine. In addition, it requires that all miners have knowledge of the quantity and types of stored SCSRs, if applicable. We have developed a template, which can be used to describe the specific plan for conducting this training.

Part 48.5 Addendum to Existing Training Plan

Part 48.5 Training of new miners; minimum courses of instruction; hours of instruction.

Subject: 48.5(b)(2)	Training Methods	Course Materials	Evaluation Method(s)
Self-rescue and respiratory devices. This addendum only covers donning and transferring of self-rescue devices. All other training conducted in this course as outlined in the training plan is still required.	Training in the use of self-rescue devices shall include instruction, demonstration and hands-on training of all self-rescue devices used at the mine. This will include assuming a donning position, opening the device, activating the device, inserting the mouthpiece or simulating this task while explaining proper insertion of the mouthpiece, and putting on the nose clip and hands-on training in transferring from one self-rescue device to another self-rescue device.	Self-rescue device specifications. Self-rescue training models for all devices used.	Trainees will be evaluated on their ability to effectively don and transfer from one self-rescue device to another. Completion of this portion of the course will be determined by the trainee's ability to successfully don and transfer.

Part 48.6 Addendum to Existing Training Plan

Part 48.6 Experienced miner training.

Subject: 48.6(b)(12)	Training Methods	Course Materials	Evaluation Method(s)
Self-rescue and respiratory devices. This addendum only covers donning and transferring of self-rescue devices. All other training conducted in this course as outlined in the training plan is still required.	Training in the use of self-rescue devices shall include instruction, demonstration and hands-on training of all rescue devices used at the mine. This will include assuming a donning position, opening the device, activating the device, inserting the mouthpiece or simulating this task while explaining proper insertion of the mouthpiece, and putting on the nose clip and hands-on training in transferring from one self-rescue device to another self-rescue device.	Self-rescue device specifications. Self-rescue training models for all devices used.	Trainees will be evaluated on their ability to effectively don and transfer from one self-rescue device to another. Completion of this portion of the course will be determined by the trainee's ability to successfully don and transfer.

Part 48.8 Addendum to Existing Training Plan

Part 48.8 Annual refresher training.

Subject: 48.8(b)(8)	Training Methods	Course Materials	Evaluation Method(s)
Self-rescue and respiratory devices. This addendum only covers donning and transferring of self-rescue devices. All other training conducted in this course as outlined in the training plan is still required.	Training in the use of self-rescue devices shall include instruction, demonstration and hands-on training of all rescue devices used at the mine. This will include assuming a donning position, opening the device, activating the device, inserting the mouthpiece or simulating this task while explaining proper insertion of the mouthpiece, and putting on the nose clip and hands-on training in transferring from one self-rescue device to another self-rescue device.	Self-rescue device specifications. Self-rescue training models for all devices used.	Trainees will be evaluated on their ability to effectively don and transfer from one self-rescue device to another. Completion of this portion of the course will be determined by the trainee's ability to successfully don and transfer.

Part 48.11 Addendum to Existing Training Plan

Part 48.11 Hazard training.

Subject: 48.11(a)(4)	Training Methods	Course Materials	Evaluation Method(s)
Self-rescue and respiratory devices. This addendum only covers donning and transferring of self-rescue devices. All other training conducted in this course as outlined in the training plan is still required.	Training in the use of self-rescue devices shall include a demonstration and hands-on training of all rescue devices used at the mine. This will include assuming a donning position, opening the device, activating the device, inserting the mouthpiece or simulating this task while explaining proper insertion of the mouthpiece, and putting on the nose clip and hands-on training in transferring from one self-rescue device to another self-rescue device.	Self-rescue device specifications. Self-rescue training models for all devices used.	Trainees will be evaluated on their ability to effectively don and transfer from one self-rescue device to another. Completion of this portion of the course will be determined by the trainee's ability to successfully don and transfer.

Mine Emergency Scenarios

Fire

Location(s) of event(s)	Location of Miners and Specific Circumstances of the Event	Best option(s) for evacuation	Conditions requiring immediate donning of self rescue device

Mine Emergency Scenarios

Explosion

Location(s) of event(s)	Location of Miners and Specific Circumstances of the Event	Best option(s) for evacuation	Conditions requiring immediate donning of self rescue device

Mine Emergency Scenarios

Gas Inundation

Location(s) of event(s)	Location of Miners and Specific Circumstances of the Event	Best option(s) for evacuation	Conditions requiring immediate donning of self rescue device

Mine Emergency Scenarios

Water Inundation

Location(s) of event(s)	Location of Miners and Specific Circumstances of the Event	Best option(s) for evacuation	Conditions requiring immediate donning of self rescue device

Specific Instruction Plan

Location, Quantity, Types, and Use of Stored SCSRs, if applicable
&
Location and Use of Continuous Directional Lifelines or Equivalent Devices

During evacuation drills, miners shall physically locate continuous directional lifelines or equivalent devices and stored self-rescue devices.

Subject	Specific Instruction Plan
Location, Quantity, Types, and Use of Stored SCSRs	
Location and Use of Continuous Directional Lifelines or Equivalent Devices	