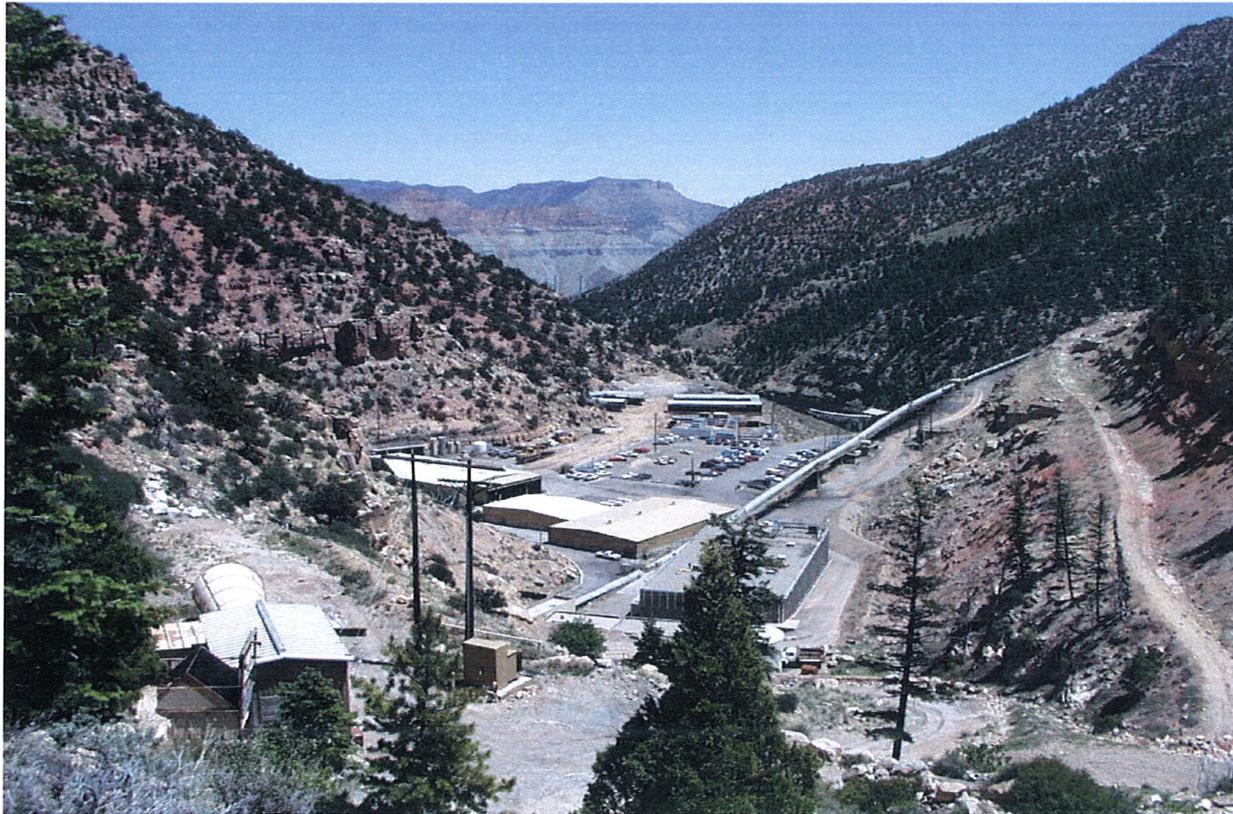


Deer Creek Mine Emergency Response Plan Overview

Utah Mine Safety Commission

January 3, 2008



Deer Creek Mine Emergency Response Plan Overview

Elements Common to All Plans

Deer Creek Mine's ERP is:

- MSHA-approved.
- Compliant with MSHA's implementation of Section 2 of the Mine Improvement and New Emergency Response Act of 2006.

Essential ERP Elements

- Post-Accident Communication
- Post-Accident Tracking
- Post-Accident Breathable Air
- Additional SCSRs in Escapeways
- Post-Accident Lifelines
- Local Coordination
- Trapped Miner Maintenance Supplies
- Trapped Miner Barricades

Deer Creek Mine Emergency Response Plan Overview

Post-Accident Communication

- A redundant means of communication with the surface
- Communication wires should be routed through separate entries or boreholes to the surface
- Deer Creek Mine utilizes pager systems, fiber optic phones and personal emergency devices for our forms of communication
- Three years– Two way wireless communication between the surface and underground

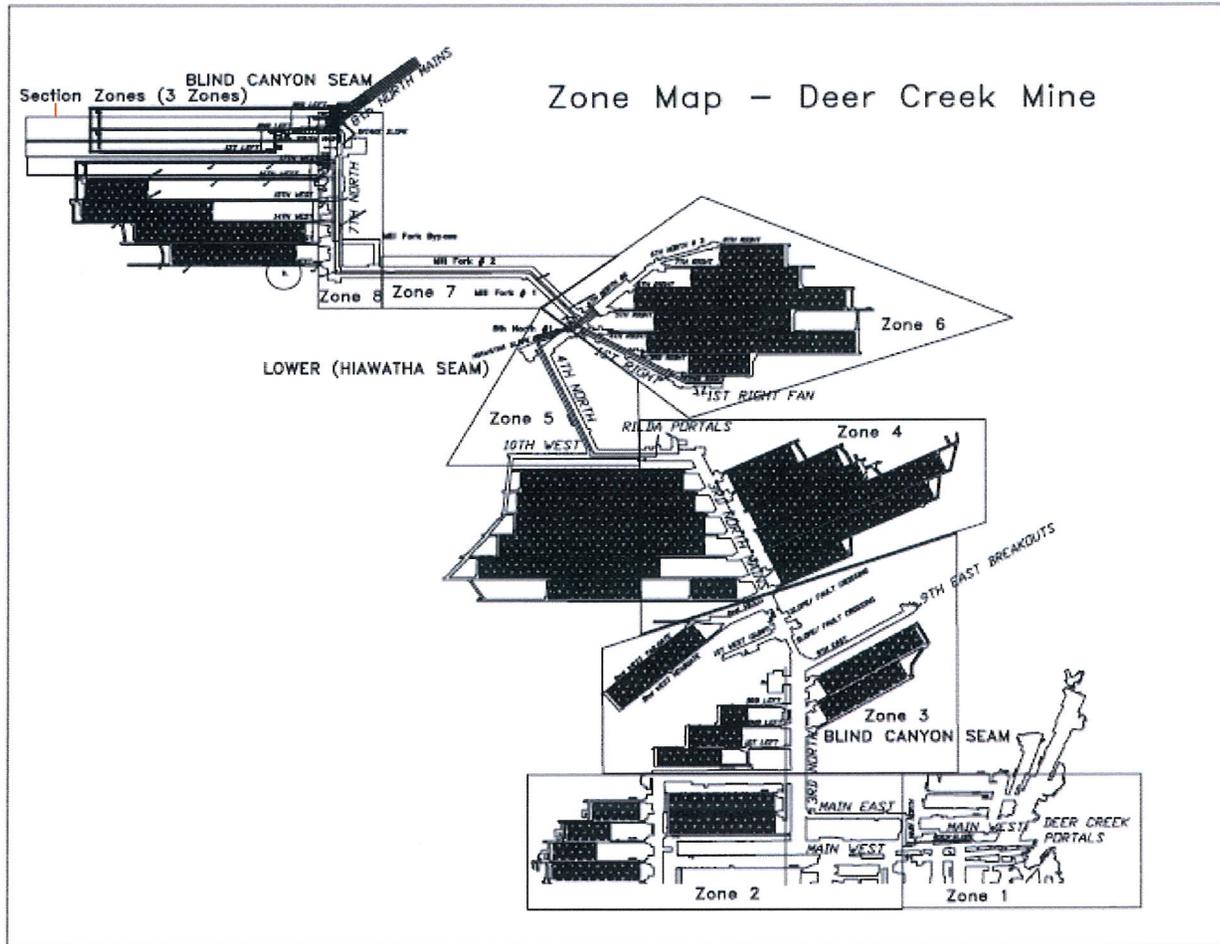
Deer Creek Mine Emergency Response Plan Overview

Post-Accident Tracking

MSHA will accept a mine monitoring technician/dispatcher or equivalent system which will:

- Track the location of each miner in writing, on a map or electronically for the duration of the shift
- Determine the current or immediate pre-accident location of all underground personnel
- Three years- electronic tracking for surface personnel to determine the location of persons underground. Deer Creek Mine has purchased a tracking system and is preparing for installation (MARCO tracking system)

Post-Accident Tracking Example Deer Creek Mine



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Post-Accident Breathable Air

Deer Creek Mine's ERP Commits to providing 96-hours of Post-Accident Breathable Air in each refuge chamber for up to 20-miners.

Each chamber will have compressed oxygen, a carbon dioxide scrubbing system and compressed air for chamber-atmosphere purging.

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SCSR's in Escapeways

In addition to the two SCSR's provided on the section for each miner:

- One hour of oxygen (air) per miner is provided at each SCSR storage location in each escapeway.
- The SCSR storage locations are at 30 minute travel-distance intervals in each escapeway.

Other SCSR Considerations

- Caches have been established for persons working in remote locations, e.g. pumpers, examiners.
- Maintenance, routine examinations, testing and storage follow both MSHA and the manufacturer's recommendations and ERP requirements.

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Post-Accident Lifelines

Lifelines are in both the primary and secondary escapeways

Lifelines are constructed of “Flame resistant” material

Lifelines are readily identifiable with reflective material

Lifelines have directional cones

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SCSR Evacuation Training (Use ETS)

Training in evacuation procedure prior to going underground

- Quarterly realistic hands-on training
- Does not apply to state or federal officials
- Does not apply to short term visitors

Deer Creek Mine

Emergency Response Plan Overview

SCSR Training

- Hands on donning and transfer for each type in the mine
- Proper insertion of the mouthpiece
- Emphasize the importance of keeping the mouthpiece inserted until reaching fresh air
- One quarterly training session in artificial smoke or an environment simulating smoke
- Training unit that replicates actual conditions of use have been ordered
- A mechanism to assure training was conducted

Deer Creek Mine Emergency Response Plan Overview

Local Coordination

Call list that includes:

- MSHA
- Key mine personnel
- Mine rescue teams
- Local EMS
- Local law enforcement
- Local fire departments

Deer Creek Mine Emergency Response Plan Overview

Local Coordination

- Deer Creek Mine has invited local personnel to the mines to help familiarize them with the layout and what is needed in the event of an emergency

Deer Creek Mine Emergency Response Plan Overview

Refuge Chambers & Barricade Materials

- West Virginia–Approved refuge chambers in each working section and outby locations.
- 20–person capacity with post accident breathable air–miner maintenance supplies for 96–hours.
- Expected delivery in 1st quarter 2008

Until then:

- 4 Brattice boards equal to the entry width
- Brattice cloth
- Sealant material
- Eight roof jacks
- Powered spad gun/spads
- Trowel and gloves
- 2 Claw hammers/nails
- 240 lbs of rock dust

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Refuge Chamber



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Other Items on the Work Section 96-Hours Provisioning include:

- Food and water
- First aid kits, blankets, multi-gas detectors
- Chemical light sticks or other permissible light source
- Inflatable stoppings may be used in lieu of materials

Deer Creek Mine Emergency Response Plan Overview

Mine Rescue Teams

MSHA has proposed two new rules requiring:

- Two certified mine rescue teams (Deer Creek has two teams).
- Team members will have coal mining experience and respond within 1-hour travel time from the mine rescue station.
- Annual training requirements will be 64-hours.
- Must participate annually in two local mine rescue contests.
- Train at the covered mines

Mine Rescue Equipment

- Two hours additional oxygen for a new total of four hours
- Gas detectors capable of detecting hazardous atmospheres

Deer Creek Mine Emergency Response Plan Overview

Refuge Chambers

- NIOSH is conducting research and in-mine testing of refuge chambers
- NIOSH to report to congress in December 2007
- MSHA will promulgate chamber standards and requirements.
- Deer Creek mine has standardized on hardened refuge chambers
- Refuge chambers are on order and expected to be delivered by end of 1st quarter 2008

Deer Creek Mine Emergency Response Plan Overview

Other ERP Requirements

- Deer Creek Mine has arrangements to provide separate off-site facilities for the families and media
- Post-accident logistics and coordination
 - ▶ *Necessary equipment location*
 - ▶ *Security of command center*
 - ▶ *Facilities for the families*
 - ▶ *Security*
 - ▶ *Press*
 - ▶ *Traffic control*
- List suppliers of mine emergency and rescue equipment