



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

**WV Office of Miners' Health, Safety & Training**  
**Ronald L. Wooten, Director**  
1615 Washington Street East • Charleston, West Virginia • 25311-2126  
Telephone 304-558-1425 • Fax 304-558-1282  
[www.wvminesafety.org](http://www.wvminesafety.org)

May 31, 2007

Modern Mine Safety Supply, LLC  
P. O. Box 480  
Huntington, UT 84528

**Subject:** Approval of the Emergency Refuge Shelter™ under WV Legislative Rule Title 56,  
Series 4, Governing Protective Clothing and Equipment

Sirs:

After the evaluation of the documentation submitted regarding your request for modifications to your approval, the WV Office of Miner's Health Safety and Training approves your request to provide a carbon-dioxide curtain option. The agency also approves your request to provide a 26 miner version of the already approved Modern Mine Safety Supply's Emergency Refuge Shelter™ for use in meeting the Emergency Shelters/Chambers requirements outlined in the West Virginia Legislative Rule 56CSR4-8, Governing Protective Clothing and Equipment.

The same provision still applies regarding any unit requiring the use of the powered carbon dioxide scrubber, i.e., it becomes effective upon confirmation of MSHA's approval of your battery-powered scrubbing system.

Upon receipt of subsequent requests for modification with the above attached, the Emergency Refuge Shelter™ will be approved with either carbon dioxide scrubber option for application in underground mines for use by 16 or 26 miners, when built and provisioned as designed and providing a minimum of 96 hours life support.

Modern Mine Safety Supply shall, upon request, provide this office with verification of valid orders, delivery dates, and status of deliveries required for this office to enforce 56CSR4-8.

Any changes required or enhancements to the approved design, affecting the ability to meet any provision of 56CSR4-8 shall require approval of this office prior to any affected Emergency Refuge Shelter™ being placed into operation.

Sincerely,

A handwritten signature in black ink, appearing to read "Ronald Wooten".

Ronald Wooten, Director  
Office of Miners' Health and Safety



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May 31, 2007

Strata Products (USA) Inc.  
3939 Roswell Road NE  
Suite 100  
Marietta, GA 30062

**Subject:** Additional Approvals of the Emergency Refuge Shelter™ under WV Legislative Rule Title 56, Series 4 Governing Protective Clothing and Equipment

Sirs:

The approval for the Strata Products (USA), Inc's Coal Mine Refuge Chamber™ is amended to include an additional model designated as the 24-person Coal Mine Refuge Chamber™. This model has a slightly larger skid that allows the unit to increase the number of oxygen bottles, and increase the compressed air to allow for filling the larger structure. The reconfigured unit meets all the Emergency Shelters/Chambers requirements outlined in the West Virginia Legislative Rule, 56CSR4-8, Governing Protective Clothing and Equipment.

The Coal Mine Refuge Chamber™ approval is hereby modified to allow for 24 miners when built and provisioned as designed, and providing a minimum of 96 hours life support and sufficient purge air allowing access to the capacity limit through the nine miner airlock.

Strata Products (USA), Inc. shall, upon request, provide this office with verification of valid orders, delivery dates, and status of deliveries required for this office to enforce 56CSR4-8.

Any changes required or enhancements to the approved design, affecting the ability to meet any provision of 56CSR4-8 shall require approval of this office prior to any affected the Coal Mine Refuge Chamber™ being placed into operation.

Sincerely,

Ronald Wooten, Director  
Office of Miners' Health and Safety