

**From:** Connie Carmichael [ccarmichael@bscc.edu]  
**Sent:** Friday, November 16, 2007 2:23 PM  
**To:** zzMSHA-Standards - Comments to Fed Reg Group  
**Subject:** RIN 1219-AB53

**Attachments:** satellite mine rescue station.doc; letter from state of alabama.pdf  
Attached are comments from Mr. Ken Russell, Training Director at Bevill State Community College, Mining Department.

Thanks,

*Connie Carmichael*  
*Bevill State Community College*  
*Mine Technology*

**1219-AB53-COMM-27**



STATE OF ALABAMA  
DEPARTMENT OF INDUSTRIAL RELATIONS



Bob Riley  
Governor

Phyllis K. Kennedy  
Director

November 5, 2007

MSHA  
Office of Standards, Regulations, and Variances  
1100 Wilson Boulevard.- Room 2350  
Arlington VA 22209-3939

Dear Sir or Madam:

The Mining and Reclamation Division concurs with the comments made by Mr. Ken Russell of Beville State Community College in Birmingham, Alabama on 11-01-07 regarding mine rescue team issues. Alabama's Mine Safety Chief, Mr. Gary Key, and I would appreciate favorable consideration of said comments in order to maintain quality mine safety services in a financially efficient manner.

We look forward to continued cooperation with MSHA in serving the mining community.

Sincerely,

*Michael R. Skates*

Michael R. Skates  
Director

MRS/pm

## **Cost of Establishing and Maintaining a Satellite Mine Rescue Station**

Initial Costs:

12 BG4 apparatus, cases, O2 bottles, refillable canisters	\$114,900.00
Spare parts to maintain BG4's (minimum recommended)	\$ 1,798.53
Pump to compress Oxygen into bottles	\$ 12,954.30
12 extra bottles (to meet 8 hour requirement)	\$ 10,560.00
12 containers of Soda-Sorb	\$ 1,800.00
Dryer	\$ 9,350.00
2 bench test devices (2 required to maintain one while other unit Sent in for annual calibration)	\$ 12,000.00
4 gas instruments	\$ 10,106.00
Calibration kit for gas instruments	\$ 829.00
2 communication reel systems	\$ 19,424.00
12 cap lights and battery pouches	\$ 3,870.00
Charging racks for cap lights	\$ 1,880.00
4 Stretchers (2 for each team)	\$ 6,009.88
	\$ 205,481.71
Oxygen cylinders for charging apparatus bottles per year	\$ 1,000.00
Benches (tables) to store and test apparatus on	\$ 4,800.00
16 hours monthly cost of employee to bench apparatus and Maintain station (approx. \$35.00 per hour) per year	\$ 6,720.00

Climate controlled area of approximately 1800 square feet  
for station and storage (Birmingham, AL area annual rental  
would be approx. eight dollars per sq. ft.)

\$ 1,400.00

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\$ 219,401.71

I am sure there are incidental costs which I have failed to factor in. However, this would be a reasonably accurate assessment of the initial cost of a satellite station.