

5M CORPORATION
Hurricane, Utah

GENERAL PLAN

(MESA)

John Henry Mine
Kaiparowits Plateau
Kane County, Utah

333 NORTH HIGHWAY 17

P.O. BOX 752, HURRICANE, UTAH, 84737 (801) 635-2572



MINERALS
MINING
MILLING
MELTING

and
MANUFACTURING
of

METAL PRODUCTS - MINI MILLS - MINING EQUIPMENT

I N C O R P O R A T E D

August 13, 1975

U. S. Department of the Interior
Mining Enforcement & Safety Administration
Coal Mine Health and Safety
P. O. Box 15037
Denver, Colorado 80215

Dear Sir:

It is proposed by 5M Corporation to commence coal mining operations at the John Henry Mine, Kaiparowits Plateau, Kane County, Utah, on or about 1 December 1975.

Initiating the necessary actions in compliance with State and Federal start-up requirements and regulations is now in process of being accomplished.

The following documentation, therefore, is submitted herewith:

<u>Appendix</u>	<u>Description</u>	<u>Reference</u>
I	Legal Identity Report	Submitted to MESA, District 9, 7/28/75
II	Emergency Medical Assistance	Section 75.1713 30 CFR 75
III	Training Program	Section 75.160-1 30 CFR 75
IV	Program of Fire Fighting & Evacuation of Personnel	Section 75.1101-23 30 CFR 75
V	Smoking Prohibition	Section 75.1702-1 30 CFR 75
VI	Fan Stoppage Plan	Public Law 91-173, Section 303(t)

M.E.S.A.
Coal Mine Health & Safety
August 13, 1975

<u>Appendix</u>	<u>Description</u>	<u>Reference</u>
VII	Ventilation System and Methane & Dust Control Plan	Section 75.316 30 CFR 75
VIII	Roof Control Plan	Section 75.200 30 CFR 75

The information submitted herein is complete to the best of our knowledge. However, should supplemental information be needed, or corrections made, please communicate this need to us.

Very sincerely,


Grant C. Tucker
Mine Superintendent

GCT:ts

ENCLS

42- 01227

Mine Identification
Number

UNITED STATES
DEPARTMENT OF THE INTERIOR
MINING ENFORCEMENT AND SAFETY ADMINISTRATION

LEGAL IDENTITY REPORT

Projected Mine Start-up
by December 1, 1975

Initial Notice Change Notice Request Mine ID No.

Mine ID No. 42-01227 Name of Mine John Henry Mine Commodity Coal
Nearest town Glen Canyon City County Kane Name of operator 5M Corporation
Office address (No. & St.) 333 North Highway 17 City Hurricane State Utah Zip 84737

Please check the appropriate box and complete the applicable section below

Sole Proprietorship Partnership Corporation Other

1. Sole Proprietorship

Trade Name _____ Proprietor _____
Address (No. & St.) _____ City _____ State _____ Zip _____

2. Partnership

Trade Name _____
Partnership Address (No. & St.) _____ City _____ State _____ Zip _____

Please list below the name and address of each partner

Name _____ Number and Street _____ City _____ State _____ Zip _____

(If more space is required, please use the back of this page or a separate sheet.)

3. Corporation

Name 5M Corporation State of Incorporation Utah
Corp. Address (No. & St.) 333 North Highway 17 City Hurricane State Utah Zip 84737

Agent for Service of Process Jerry Glazier Title President
Address (No. & St.) 100 South 155 West City Hurricane State Utah Zip 84737

Is Corporation a Subsidiary Yes No If "Yes," give Name and Address of Parent Corporation

Name _____ No. & Street _____ City _____ State _____ Zip _____

Please list below the name, title, and address of each Corporation Officer and Director

Name _____ Title _____ Number and Street _____ City _____ State _____ Zip _____

- attached -

(If more space is required, please use the back of this page or a separate sheet.)

4. Other

Type of Legal Entity _____ Name of Organization _____
Address (No. & St.) _____ City _____ State _____ Zip _____

Responsible Official to act as Agent for Service of Process:
Name _____ Title _____ No. & Street _____ City _____ State _____ Zip _____

Please list below the name, title, if any, and address of principal company officials and each individual who has an ownership interest in the company.

Name _____ Title _____ Number and Street _____ City _____ State _____ Zip _____

(If more space is required, please use the back of this page or a separate sheet.)

All changes should be reported within 30 days to the Coal Mine Health and Safety District Manager of the Bureau of Mines in the District in which the mine is located. Please return the original and first two copies to the Bureau.

Signature Jerry Glazier Title President Date July 28, 1975
Jerry Glazier

BOARD OF DIRECTORS

5M CORPORATION

15 May 1975

<u>Name</u>	<u>Position</u>	<u>Address</u>
Jerry Glazier	Chairman & President	100 South 150 West Hurricane, Utah 84737 Tel: (801) 635-2572
William T. Sorensen	V/P, Director	502 South 9th Street Las Vegas, Nevada 89101 Tel: (702) 384-2252
Aaron H. Rasmussen	Sec./Treas., Director	Veyo Star Route, P.O. Box 80 Central, Utah 84722 Tel: (801) 673-4064
Nick C. Scholzen	V/P, Director	113 South Airport Road Hurricane, Utah 84737 Tel: (801) 635-4549
Wayne Wilson	V/P, Director	555 South State Street LaVerkin, Utah 84754 Tel: (801) 635-2269

333 NORTH HIGHWAY 17

P.O. BOX 752, HURRICANE, UTAH, 84737 (801) 635-2572



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METAL PRODUCTS - MINI MILLS - MINING EQUIPMENT

I N C O R P O R A T E D

August 13, 1975

District Manager
M.E.S.A. Health & Safety
P.O. Box 15037
Denver, Colorado 80215

EMERGENCY MEDICAL
ASSISTANCE PLAN

Dear Sir:

The following information is provided in compliance with the provisions of Section 75:1713, 30 CFR 75, as pertains to the mandatory safety standards for underground mines:

75:1713-1:

(a) Arrangements have been made with the PAGE HOSPITAL, Page City, Arizona, to provide emergency medical assistance, on a 24-hour basis, for any person injured, or requiring medical assistance, at the John Henry Mine, Kaiparowits Plateau, Kane County, Utah.

(b) Arrangements have been made with the PAGE CITY AMBULANCE SERVICE, Page City, Arizona, to provide emergency ambulance services, on a 24-hour basis, for any person injured at the John Henry Mine.

(c) (See (a) and (b) above).

(d) Should it become necessary to make other arrangements for hospital and/or ambulance emergency services for persons injured at the John Henry Mine, such changes, as occurring, shall be reported to the District Manager within 10 days of such change or arrangement.

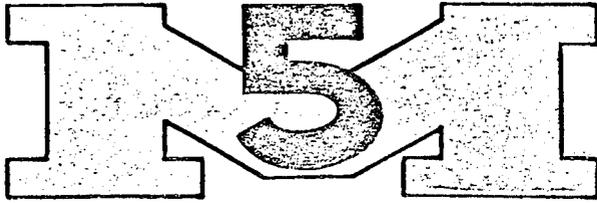
(e) A current posting of the telephone numbers and addresses of the Page Hospital and Page Ambulance Service shall be maintained in appropriate places at the mine site.

Very sincerely,


Grant C. Tucker
Mine Superintendent

333 NORTH HIGHWAY 17

P.O. BOX 752, HURRICANE, UTAH, 84737 (801) 635-2572



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I N C O R P O R A T E D

August 13, 1975

Mr. A. DeYeso
Hospital Administrator
Page Hospital
Page City, Arizona 89040

Dear Mr. DeYeso:

Confirming our telephone conversation of this date, this letter constitutes a formal request for the provision of emergency and medical services, on a 24-hour basis, for employees of the John Henry Mine, Kaiparowits Plateau, Kane County, Utah.

It is proposed by 5M Corporation to commence coal mining operations at the John Henry Mine on or about 1 December 1975. The mine location is approximately 35 miles from the Page Hospital. Ambulance services are to be provided by the Page City Ambulance.

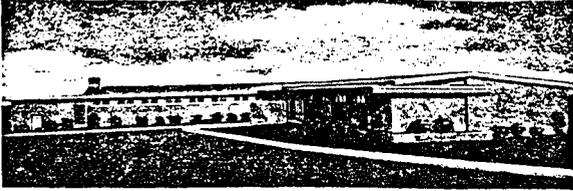
Initiating the necessary actions in compliance with Federal and State requirements and regulations is now in process of being accomplished. Should you be able to provide these services, a letter to this effect will be greatly appreciated.

Your assistance and cooperation is very much appreciated.

Very sincerely,


Grant C. Tucker
Mine Superintendent

GCT:ts



Page Hospital

POST OFFICE BOX 1447
PAGE, ARIZONA 86040

August 16, 1975

Five M Corporation
John Henry Mines
P.O. Box 753
Hurricane, Utah 84737

Gentlemen:

This is to inform you that Page Hospital is a 25 bed hospital with a 24 hour emergency service. We have five doctors on the staff and one of the physicians is on a 24 hour call, seven days a week.

In the event that a patient is in need of specialized treatment, the attending physician may wish to have the patient transferred to a specialist elsewhere, this is done with the consent of the patient and family.

Sky West Airport in Page has an air ambulance and often patients are transferred to a larger medical center by plane and accompanied by a registered nurse. We also use Air Vac from Phoenix to transfer patients there.

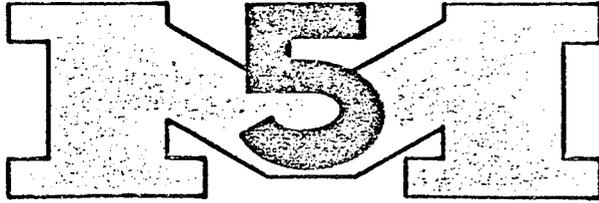
If you should have any other questions, please, don't hesitate to contact me.

Sincerely,

Sister Lenore Baranczyk
Sister Lenore Baranczyk
Administrator

333 NORTH HIGHWAY 17

P.O. BOX 752, HURRICANE, UTAH, 84737 (801) 635-2572



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I N C O R P O R A T E D

August 13, 1975

Mr. Race Mac Kuch
PAGE AMBULANCE SERVICE
P.O. Drawer HH 16
Page City, Arizona 89040

Dear Mr. Kuch:

Confirming our telephone conversation of this date, this letter constitutes a formal request for the provision of ambulance services, on a 24 hour basis, to the JOHN HENRY MINE, Kaiparowits Plateau, Kane County, Utah.

It is proposed by SM Corporation to commence coal mining operations at the John Henry Mine on or about 1 December 1975. The mine location is approximately 35 miles from the Page Hospital at Page City, Arizona. Upon commencement of operations, a route map and instructions will be provided your office.

Initiating the necessary actions in compliance with Federal and State requirements and regulations is now in process of being accomplished. Should you be able to provide these services, a letter to this effect should be addressed to us.

Your assistance and cooperation is very much appreciated.

Very sincerely,


Grant C. Tucker
Mine Superintendent

GCT:ts

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

PLAN OF SURFACE ORGANIZATION AND PROCEDURE
IN CASE OF MINE FIRE OR EXPLOSION

REMOVE UNDERGROUND WORKERS IMMEDIATELY

NOTIFY AT ONCE

	<u>Name</u>	<u>Address</u>	<u>Telephone</u>
1. Mine Superintendent			
2. Mine Foreman			
3. Safety Director			
4. General Manager	Jerry Glazier	100 South 150 West, Hurricane, Utah	(801) 635-2572
5. General Superintendent	Grant C. Tucker	252 South Dewey, Cedar City, Utah	(801) 586-6733
6. Chief, State Mining Dept.			
7. Mine Inspector(s)			
8. U.S. Bureau of Mines (nearest office)			
9. Officials of Adjacent Mines			
10. Name of Physician	Page Hospital	Page, Arizona	(602) 645-2424
11. Ambulances and Other Emergency Vehicles		Page Ambulance, Page, Arizona	(602) 645-8861
12. Hospital—to be alerted	Page Hospital	Page, Arizona	(602) 645-2424
13. Police	Sheriff	Kanab, Utah	(801) 644-2349
14. United Mine Workers of America (agreement mines)			
15. Other Labor Organizations			
16.	Highway Patrol	Kanab, Utah	(801) 644-2478

Alterations in Order of Notification Should Be Made Where Necessary

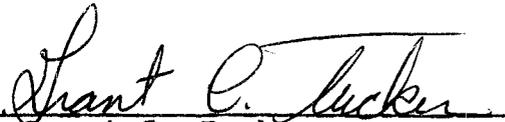
JOHN HENRY MINE TRAINING PROGRAM

The John Henry Mine Training Program is in process of preparation and is to be submitted at a latter date as Appendix III to this General Plan. When completed, the Training Program will be submitted directly to: Mr. John S. Kelly, Chief, Training Center 7, M.E.S.A., 603 Miller Ct., Lakewood, Colorado, 80215.

Preparation of the John Henry Mine Training Program is to follow the guidelines set forth for approved training by the Training Center, M.E.S.A. Operator development training courses, as available from M.E.S.A., are to be used throughout.

It is proposed that company designated instructor personnel first attend the M.E.S.A. sponsored instructor training courses in each of the areas specified, as are available. Qualified instructors would then be employed in the preparation and development of the Training Program for submission to the M.E.S.A. Training Center, and subsequent scheduling and training of mining and other personnel.

A target date for the implementation of an approved John Henry Mine Training Program, with qualification and certification completed for key personnel, is 1 December 1975.


Grant C. Tucker
Mine Superintendent

12 August 1975

MINE I.D. NO. 42-01227

PROPOSED TRAINING PROGRAM
for
CALENDAR YEAR 1975*

Company 5M Corporation Mine John Henry Mine

Town Hurricane County Kane State Utah ZC 84737

Mine official responsible for health and safety training
at the mine:

Name Grant C. Tucker Occupation Mine Superintendent

Training instructors (state if none available at the mine):

<u>Name</u>	<u>Title</u>	<u>S.S.N.</u>	<u>Training Experience</u>
<u>Grant C. Tucker</u>	<u>Mine Superintendent</u>	<u>529-14-3755</u>	<u>First Aid (Bureau of Mines) Cert.</u> <u>24 years mining experience with Forman Papers (coal).</u>
<u>(none)</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>

Number of employees: Underground 6 to start Cert. 1 Qual. ___
Surface 2 Cert. ___ Qual. ___

Number of employees trained in First Aid: Cert: 1 Qual. ___

and those qualified for: methane and oxygen testing 1,

electrical work 0, hoisting engineer: (Does not apply).

Training facilities: Class room available: Yes Cap. 10
110-volt electricity: Yes
Gas test box: Yes

*Submit Training Programs to the Coal Mine Health and Safety District Manager for the District in which the mine is located.

PROPOSED TRAINING PROGRAM
for
CALENDAR YEAR 1975

SM Corporation
John Henry Mine

A. The John Henry Mine Training Program shall provide for the initial training, and updating the proficiency of certified and qualified instructors and duty personnel in the following categories:

Certification:

- (1) First Aid
- (2) Ventilation
- (3) Roof and Rib Control
- (4) Methane measurement and oxygen deficiency testing
- (5) Principles of Mine Rescue
- (6) Coal Mine Health and Safety Act - 1969, (Sections 75 and 77)

Qualification:

- (1) First Aid
- (2) Methane measurement and oxygen deficiency testing - for all persons whose duties require them to perform such tests
- (3) Roof and Rib Control - for all persons required to check torque on roof bolts
- (4) Ventilation - for all persons designated to conduct the weekly ventilation examinations required by Section 75.306

B. All surface operating and underground employees shall complete the designated course in First Aid training prior to commencement of coal mining operations; and such persons employed subsequent thereto, shall complete the First Aid training course within 6 months following their date of employment.

C. All surface operating and underground personnel, together with designated key administrative and supervisory employees, shall attend annual retraining courses in select curriculum subjects as pertaining to their work assignments. All employees may elect to enroll in the First Aid training course.

D. All surface operating and underground personnel, and all personnel assigned to firefighting and rescue details, shall complete the program of instruction in the location and use of firefighting equipment and evacuation procedures in accordance with Section 75.1101-23 and 77.1100.

E. All surface operating and underground personnel, and all designated personnel trained to complement fire fighting and rescue details, are to be trained and qualified in the use of a self-rescue device in accordance with Section 75.1714.

F. All underground employees are to be familiar with the provisions of the Roof-Control Plan as set forth in Appendix VIII to this General Plan, and are to receive instruction and training in Roof and Rib control in accordance with Section 75.200-1.

G. Use of compressed gas shall only be handled by mine personnel trained and qualified in its use in accordance with Section 75.1106-4.

H. New employees shall be indoctrinated in safety rules and safe work procedures. Inexperienced employees shall not be assigned to work duties in danger areas until they have been trained in safe work procedures directly pertaining to their assigned work duties. (Section 77.1709).

5M INCORPORATED

JOHN HENRY MINE

TRAINING PROGRAM

	Bureau Approved	Initial training	Retraining	Number of hours	STARTING DATE	COMPLETION DATE	INSTRUCTOR	LOCATION	EMPLOYEES to be TRAINED		
									CERTI-FIED	QUALI-FIED	OTHER
First Aid Methods	*										
Roof and Rib Control	*										
Ventilation	*										
Principles of Mine Rescue	*										
Principles of Accident Prevention	*										
Instrumentation	*										
Haulage Safety	*										
Permissibility	*										
Use of Self-Rescuers	*										
Electrical Safety	*										
Coal Mine Health and Safety Act - 1969	*										
Escape Routes	*										
Mine Communications											
Fire Prevention and Fire Drills / Alarms											
Dust Control											
Proper Construction of Check & Line Brattice											
Mine Safety Lamp											

signed: _____

title: _____

5M INCORPORATED

JOHN HENRY MINE

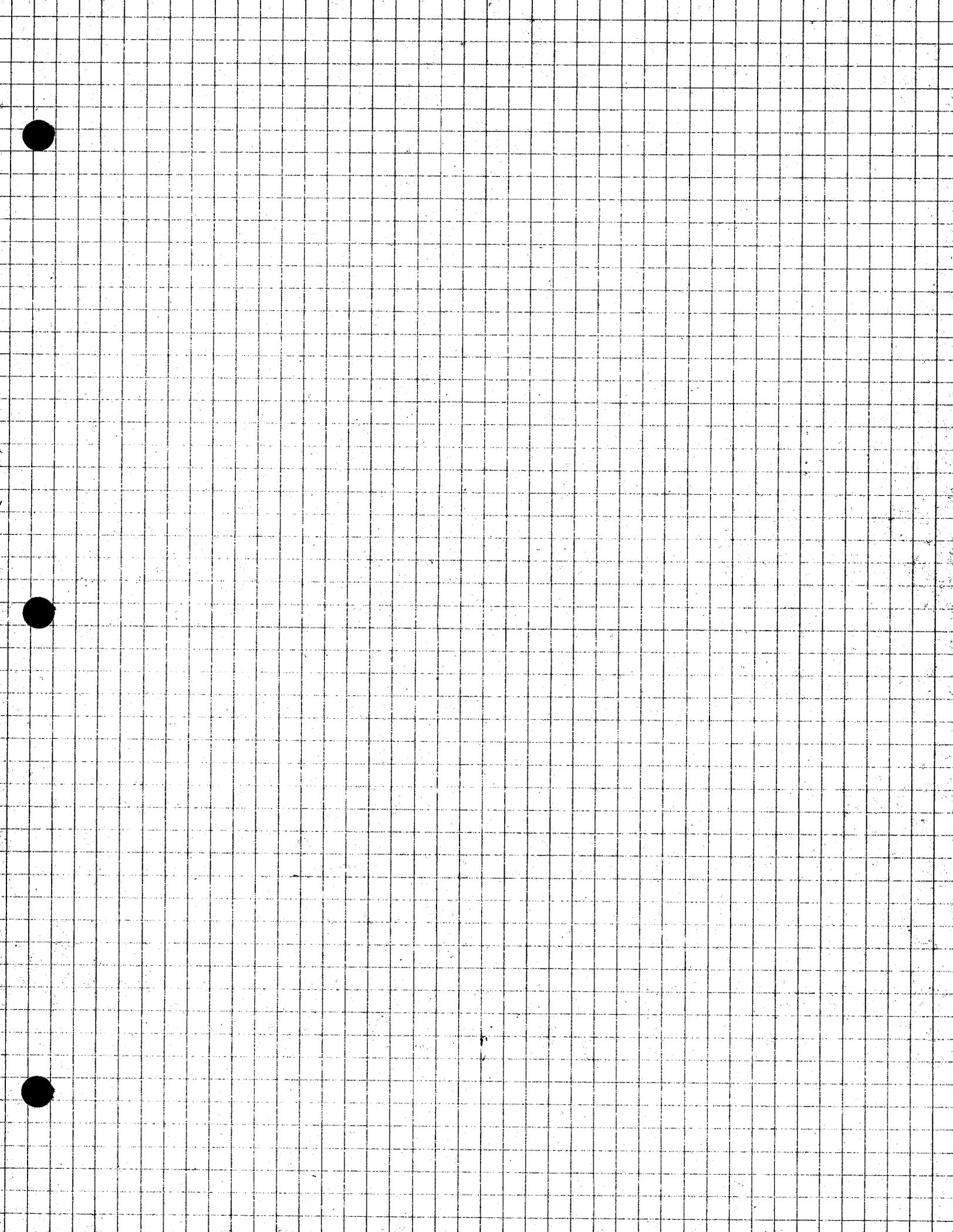
TRAINING PROGRAM

TRAINING PROGRAM	Bureau Approved	Initial training	Retraining	Number of hours	STARTING DATE	COMPLETION DATE	INSTRUCTOR	LOCATION	EMPLOYEES to be TRAINED		
									CERTI-FIED	QUALI-FIED	OTHER

Safe Use & Handling of Explosives											
Riding Man Trips											
Safe Handling of Gas Cylinders											
Compressed Air											
Working on or near Moving Equipment											
Blocking & Raising Heavy Equipment											
Safety Guards on Equipment											
Use of Fire Extinguishers											
Safe use of Hand and Power Tools											
Eye Protection											
Safety Apparel											
Good Housekeeping											
Reporting of Industrial Injuries											
Reporting of Safety Hazards											
Helping to Orient the New Employee											

signed: _____

title: _____





United States Department of the Interior

MINING ENFORCEMENT AND SAFETY ADMINISTRATION

Education and Training
Denver Training Center

603 Miller Court
Lakewood, Colorado 80215

August 6, 1975

Mr. Jerry Glazier
5M Incorporated
P. O. Box 752
Hurricane, Utah 84737

Dear Mr. Glazier:

Thank you for your letter of August 4, 1975 regarding training of your supervisory and management personnel in safety and first-aid.

We have a 30-hour first-aid instructors course scheduled here in the Denver Training Center (copy of announcement attached) and we suggest you send one or more persons to this class to be qualified as instructors so that you may have the capability of conducting your own training. We will also be happy to work with you to train company instructors to conduct other courses required by the Act. There is no cost to Mining Companies for this service.

A schedule can be set up for training in self-contained oxygen breathing apparatus provided the company has purchased such equipment along with supporting material. It is suggested that you contact our representative, Carl Beecroft, in Salt Lake City, Utah for training in such equipment. He can be contacted at:

Mining Enforcement and Safety Administration
Education and Training
Department of the Interior
1600 E. First South
Salt Lake City, Utah 84112

Telephone: 801-524-5385

If we can be of any further help please do not hesitate to let us know.

George B. Fritts

Acting Training Center Supervisor



United States Department of the Interior

MINING ENFORCEMENT AND SAFETY ADMINISTRATION

Education and Training
Denver Training Center

603 Miller Court
Lakewood, Colorado 80215

July 10, 1975

Memorandum

To: All Mining Operations in Colorado

From: Acting Training Center Supervisor

Subject: First Aid Instructors' class

We have scheduled a 30-hour training class for First Aid Instructors, to be held in the Denver Training Center located at 603 Miller Court, Lakewood, Colorado 80215, August 25 through August 29, 1975. The classes will be held from 9:00 a.m. to 4:30 p.m. Monday through Thursday with a morning session on Friday to complete the course. Persons satisfactorily completing this 30-hour training course would be qualified to conduct First Aid training for the supervisors and employees of their respective companies, having their first class monitored by a representative of the Denver Training Center.

If you are interested in attending the class, would you be good enough to complete the bottom half of this sheet, and return to this office.

George B. Fritts

The JOHN HENRY MINE mine of 5M CORPORATION
company located at P.O. Box 752, Hurricane, Utah 84737 is interested in
having VAL S. EDGEL/ Grant Tucker of its personnel attend
Jack Drake
the First Aid Instructors' Class, at the Denver Training Center.

Reference 5M letter
dated 4 August 1975

(801) 635-4547 Ext. 104
Telephone Number:

Authenticated:
15 August 1975

Wm. T. Sorensen
Wm. T. Sorensen, V/P

333 NORTH HIGHWAY 17

P.O. BOX 752, HURRICANE, UTAH, 84737 (801) 635-2572



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I N C O R P O R A T E D

August 18, 1975

Mr. Carl Beecroft
Mining Enforcement & Safety Admin.
Education and Training
Department of the Interior
1600 E. First South
Salt Lake City, Utah 84112

Dear Mr. Beecroft:

A letter communication from the Denver Training Center of 6 August 1975, suggests we contact your office and solicit your help and assistance in training our instructor personnel in the self-contained, oxygen breathing apparatus.

We are now looking to effect procurement of this equipment, along with the supporting materials essential to the conduct of this training. Before doing so, however, we should like first to discuss with you our equipment lists for such materials as are essential for use in our coal mining program scheduled for start-up in late '75. One equipment source provided us is attached for your information.

We are frequently in Salt Lake City, and will take the occasion to discuss our training needs with you, and perhaps determine at that time that part of our training requirements under the Act that can best be obtained and/or coordinated through your office.

We are most appreciative of this help and assistance.

Very sincerely,

A handwritten signature in cursive script that reads 'Grant C. Tucker'. The signature is written in dark ink and is positioned above the typed name.

Grant C. Tucker
Mine Superintendent

GCT:ts

ENCLS

NATIONAL MINE SERVICE COMPANY



TELEPHONE:
AREA CODE 801 637-1284

WESTERN DIVISION
P. O. DRAWER 798
PRICE, UTAH 84501

August 11, 1975

5 M Corp.
John Henry Mine
c/o 252 So. Dewey
Cedar City, Utah 84720

Attention: Mr. Grant Tucker

Dear Mr. Tucker:

Attached please find Quotation Number D-PRI-5-0009 covering the items you requested.

Thank you for permitting National Mine Service Company to quote your requirements. If you have any questions, please feel free to call.

Sincerely yours,

GABE ISHLEY
Western Division Manager
Distributor Products

GI:db

Attachment

cc: G. G. MacVean
E. R. Ingle

NATIONAL MINE SERVICE COMPANY

P. O. BOX 798
PRICE, UTAH 84501

PAGE 1 of 2

5 M CORP.
JOHN HENRY MINE
c/o 252 So. Dewey
Cedar City, Utah 84720

ATTENTION: MR. GRANT TUCKER

Quotation No. D-PRI-5-0009
Date August 11, 1975
Terms Net 30
F. O. B. Price
Delivery Stock

We thank you for the privilege of quoting you on your inquiry TO GABE ISHLEY of GRANT TUCKER as follows:

Item No.	Quantity	Description	Unit Price	Total Price
1	6 ea	5303-5010 Mark V Cap Lamp Comp.	\$ 42.00 ea less 10%	\$226.80
2	1 ea	5303-9616 6-Capacity Mark V Charging Rack	\$168.00 ea	\$168.00
3	2 ea	5304-3212 Plastic Filler Bottle		NO CHARGE
4	1 ea	5303-9111 Repair Kit (Tools)	\$ 25.20 ea	\$ 25.20
5	3 ea	5305-4318 SL-10 Safety Lamp - Koehler	\$ 55.44 ea	\$166.32
6	1 ea	5302-9211 Hand Magnet for SL-10	\$ 2.73 ea	\$ 2.73
7	1 ea	5302-1812 Spanner Wrench for SL-10 Fillerplug	\$.95 ea	\$.95
8	3 ea	8070-6013 G-70-D Methanometer	\$246.59 ea	\$739.77
9	3 ea	8070-7714 Leather Carrying Case for G-70-D Methanometer	\$ 10.11 ea	\$ 30.33
10	3 ea	8070-7151 Charger for G-70-D Methanometer	\$ 28.88 ea	\$ 86.64
11	3 ea	8035-0168 Taylor Anemometer	\$173.25 ea	\$519.75
12	6 ea	8060-0067 FSR-810 Drager Self Rescuer	\$ 44.50 ea	\$267.00

Prices quoted for items we are unable to ship from stock are subject to change without notice and prices in effect at time of shipment apply.

In Reply Please Refer to Above Number.
Subject to Conditions on Back Hereof.
Subject to Prior Sale

NATIONAL MINE SERVICE COMPANY
By  GABRIEL ISHLEY
WESTERN DIVISION MANAGER, DISTRIBUTOR PROD.

NATIONAL MINE SERVICE COMPANY

P. O. BOX 798
Price, Utah 84501

PAGE 2 of 2

5 M CORP.
JOHN HENRY MINE
c/o 252 So. Dewey
Cedar City, Utah 84720

ATTENTION: MR. GRANT TUCKER

Quotation No. D-PRI-5-0009

Date August 11, 1975

Terms

F. O. B.

Delivery

We thank you for the privilege of quoting you on your inquiry of as follows:

Item No.	Quantity	Description	Unit Price	Total Price
13	1 ea	8110-1503 Bendix Micro-Nair II Gravimetric Dust Sampling kit complete	\$280.00 ea	\$280.00
14	1 ea	8155-0097 Bendix Sound Level Meter Model #300	\$383.25 ea	\$383.25
15	1 ea	8155-0113 Bendix Calibrator for above Model #310	\$154.35 ea	\$154.35
16	1 ea	8155-0105 Carrying Case for above	\$ 23.95 ea	\$ 23.95
17	6 ea	8020-2286 Bullard Hard Hats	\$ 6.50 ea	\$ 39.00
18	6 ea	8020-1239 Leather Belt with pouch and carrying strap Size 38"	\$ 8.50 ea	\$ 51.00
19	6 ea	8021-1421 Brass ID Tags for miner belts	\$.25 ea	\$ 1.50

Prices quoted for items we are unable to ship from stock are subject to change without notice and prices in effect at time of shipment apply.

In Reply Please Refer to Above Number.
Subject to Conditions on Back Hereof.
Subject to Prior Sale

NATIONAL MINE SERVICE COMPANY

By

Gabriel Ishler

GABRIEL ISHLER

WESTERN DIVISION MANAGER, DISTRIBUTOR PRO

NATIONAL MINE SERVICE COMPANY



TELEPHONE:
AREA CODE 801 637-1284

WESTERN DIVISION
P. O. DRAWER 798
PRICE, UTAH 84501

August 19, 1975

5 M Corporation
John Henry Mine
252 South Dewey
Cedar City, Utah 84720

ATTENTION: Mr. Grant Tucker

Dear Grant:

Thank you for your continued interest in the equipment and supplies that National Mine Service Company can furnish for your mining venture.

I am sorry that I missed your call of last week. In any event, the Quote you requested is attached to this letter. I am also enclosing descriptive literature covering all of the items quoted with the exception of the leg bands, and I am sure you are more than familiar as to what this item looks like.

I have not forgotten the fact that you requested a complete catalog and I am hopeful that in the near future we will have our catalog completely compiled and shipped to the above address unless otherwise notified by you of a different mailing address.

I am very pleased at this time to inform you that the Drager BG-174-A has just received full four-hour approval under M.E.S.A. and N.I.O.S.H., the approval number being TC-13F-57. You can be sure that the Drager BG-174-A is the "Mercedes Benz" as far as mine rescue oxygen breathing apparatus is concerned.

Thank you again, Grant, for your continued interest in National Mine Service Company. We are very hopeful that we will be able to not only furnish your product requirements but also mine equipment such as miners, shuttlekars, locomotives, feeder brakers, etc.

Sincerely yours,

Gabe Ishley
GABRIEL ISHLEY
Western Division Sales Manager
Distributor Products

GI:db

Attachments

cc: G. G. MacVean

Price Warehouse

NATIONAL MINE SERVICE COMPANY

P. O. BOX 798
PRICE, UTAH 84501

5 M CORPORATION
JOHN HENRY MINE
252 South Dewey
Cedar City, Utah 84720

ATTN: MR. GRANT TUCKER

Quotation No. D-PRI-5-0012
Date August 19, 1975
Terms Net 30
F. O. B. Mine Site
Delivery 10 Days or Sooner

We thank you for the privilege of quoting you on your inquiry TO G. ISHLEY of GRANT TUCKER as follows:

Item No.	Quantity	Description	Unit Price	Total Price
1		8080-1079 Continuous Methane Monitor, Model GM-420, U.S.B.M. Approved, consisting of: Complete Monitor Unit and one sensing element head A.C. Power Supply for 110/220/440/550 operation inside controller case mounting Purge Calibrator Kit complete	\$1,705.00	
2		8080-0626 Continuous Methane Monitor, Model GM-450 Dual Sensing, U.S.B.M. Approved, consisting of: Complete Monitor Unit (Dual) and two separate sensing element heads A.C. Power Supply for 110/220/440/550 operation for inside controller case mounting Purge Calibrator kit, complete	\$2,940.00	
3		8020-0116 Leg Bands	\$.59 per pair	
4		8165-0004 20 lb. Kidde Mobile Equipment Fire Suppression Kits, complete, consisting of :		

Prices quoted for items we are unable to ship from stock are subject to change without notice and prices in effect at time of shipment apply.

In Reply Please Refer to Above Number.
Subject to Conditions on Back Hereof.
Subject to Prior Sale

NATIONAL MINE SERVICE COMPANY

By

Gabe Ishley

GABRIEL ISHLEY

WESTERN DIV. SALES MANAGER, DIST. PRODUCTS

QUOTATION FORM

NATIONAL MINE SERVICE COMPANY



PAGE #2

Quotation No. D-PRI-5-0012

Date August 19, 1975

Terms

F. O. B.

Delivery

We thank you for the privilege of quoting you on your inquiry

of

as follows:

Item No.	Quantity	Description	Unit Price	Total Price
4, Cont.		4-Nozzles 1-Manual Firing Head 1-20 lb. Cylinder ABC Dry Powder Chemical 1-Cylinder CO ² Gas	\$ 252.00	
5		8000-0003 Miner's Rubber Boots Insulated Lace-up (All Sizes) Non-Insulated (All Sizes)	\$ 36.00 \$ 28.00	

Prices quoted for items we are unable to ship from stock are subject to change without notice and prices in effect at time of shipment will apply.

In Reply Please Refer to Above Number.
Subject to Conditions on Back Hereof.
Subject to Prior Sale

NATIONAL MINE SERVICE COMPANY

By

GABRIEL ISHLEY

WESTERN DIV. SALES MANAGER, DIST. PRODUCTS

NATIONAL MINE SERVICE COMPANY

P. O. BOX 798
PRICE, UTAH 84501

5 M CORPORATION
JOHN HENRY MINE
252 SOUTH DEWEY
CEDAR CITY, UTAH 84720

ATTN: MR. GRANT TUCKER

Quotation No. ~~XXXXXX~~ D-PRI-5-0011

Date August 19, 1975

Terms Net 30

F. O. B. Mine Site

Delivery Approx. 30 Days

We thank you for the privilege of quoting you on your inquiry TO G. ISHLEY of GRANT TUCKER as follows:

Item No.	Quantity	Description	Unit Price	Total Price
1		<u>MINE RESCUE STATION, Consisting of:</u>		
1a	6	8015-0014 National/Drager Model BG-174-A Self contained oxygen breathing apparatus (MESA, NIOSH Approval #TC-13F-57) consisting of the following: 1-Basic Unit 1-Oxygen Cylinder with Guage Charged to 2850 lb/in ² 1-Alkali cartridge 1-Panorama Nova Z Full Facepiece 1-Tool Kit 1-Carrying Case 1-Instruction & Troubleshooting Manual	\$1,600.00	\$9,600.00
1b	1	8016-1953 Universal Test Set Model RZ 25 for testing breathing apparatus. Test functions include leak tests for the breathing circuit during positive and negative pressure; opening pressure of the lung demand valve and the excessive pressure relief valve; testing of constant flow.	\$1,500.00	\$1,500.00
1c	1	Haskell Model ATS 62 Oxygen Booster Pump complete with 6-stage manifold for		

Prices quoted for items we are unable to ship from stock are subject to change without notice and prices in effect at time of shipment apply.

In Reply Please Refer to Above Number.
Subject to Conditions on Back Hereof.
Subject to Prior Sale

NATIONAL MINE SERVICE COMPANY

By

Gabriel Ishley

GABRIEL ISHLEY

Western Div., Sales Manager, Distributor Products

NATIONAL MINE SERVICE COMPANY



PAGE #2

Quotation No. D-PRI-5-0011

Date August 19, 1975

Terms

F. O. B.

Delivery

We thank you for the privilege of quoting you on your inquiry of as follows:

Item No.	Quantity	Description	Unit Price	Total Price
		multiple charging air driven.	\$4,045.00	\$4,045.00
1d	6	8015-1863 Refillable CO ² Absorbing Cartridge used for training, stainless steel; capacity 6 lbs. soda lime.	\$ 165.00	\$ 990.00
1e		<u>RECOMMENDED SPARE PARTS FOR BG-174-A BREATHING APPARATUS</u>		
	6	8015-2887 Oxygen Cylinder complete	\$ 150.00	\$ 900.00
	1	8018-0615 Oxygen Valve group	220.00	220.00
	2	8018-0201 Breathing Tubes complete	185.00	370.00
	2	8018-0490 Oxygen Line	26.00	52.00
	1	8018-2090 Pressure Gauge Line complete	87.14	87.14
	1	8016-1441 Panorama Nova Z Facepiece	60.00	60.00
	1	8018-0599 Warning Whistle	115.00	115.00
	12	8015-6128 Set of Spare Gaskets	15.00	180.00
	24	8015-1855 Alkali Cartridge	25.00	600.00
	2	8015-0758 Breathing Bag complete	104.13	208.26
	6	8015-3901 Diaphragm complete	20.00	120.00

Prices quoted for items we are unable to ship from stock are subject to change without notice and prices in effect at time of shipment will apply.

In Reply Please Refer to Above Number.
Subject to Conditions on Back Hereof.
Subject to Prior Sale

NATIONAL MINE SERVICE COMPANY

By

GABRIEL ISHLER

WESTERN DIV. SALES MANAGER, DISTRIBUTOR PR

GENERAL PLAN (MESA)

Appendix IV: Program of Fire Fighting and
Evacuation of Personnel

Startup operations of coal production at the John Henry Mine (programmed for late 1975) is to be preceded by the training of key administrative and mining personnel for certification as instructors at M.E.S.A. sponsored instructor training courses in each of the areas specified by the Act.

A formalized training program is then to be instituted by trained instructors for John Henry Mine employees so as to comply with safety rules and regulations prior to commencement of mining operations.



Grant C. Tucker
Mine Superintendent

18 August 1975

PROGRAM OF INSTRUCTION

Location and Use of Fire Fighting Equipment
Location of Escapeways, Exits, and Routes of Travel
Evacuation Procedures
Fire Drills

A. General:

Company Name:	SM Corporation
Mine Name:	John Henry Mine
Mine Location:	Kaiparowits Plateau Kane County, Utah
Height of Coalbed:	12 1/2 feet to 25 feet
Post Office Address: (Town, County, State)	P. O. Box 752 Hurricane, Washington County, Utah 84737
Telephone Number	(801) 635-2572
M.E.S.A. Identification No.	42-01227
Operator's Name	Jerry Glazier
Operator's Title	General Manager
Operator's Address	100 South 150 West Hurricane, Utah 84737
Operator's Telephone No.	(801) 635-2572

B. Number of Underground Employees each shift:

<u>Shift</u>	<u>Employees</u>
1st	8
2nd	8
3rd	<u>4</u>
Total - - - - -	20

C. Instructor - Name and Title:

- (a) Grant C. Tucker
Mine Superintendent
- (b) Assigned personnel to attend M.E.S.A. approved
training courses

D. Instructors are to be trained and knowledgeable in each of the following:

a. Location and use of firefighting equipment and self-rescuers:

It is proposed that a 2 inch main water line enter the John Henry Mine at Portals No. 3 and No. 5. (See General Mine Map). At 300 foot intervals along these mains, a 3/4 inch water spicket is to be installed, connecting to a 500 foot hose. System line pressure is to be maintained at 55 psi. At each spicket location, 240 bags (minimum) of rock dust are to be maintained. Each #nderground person will carry and be proficient in the use of an approved self-rescue device.

b. Location of all escapeways and facilities:

All intake portals are to be used as main escapeways. Accordingly, escapeways are designated as Portals No. 3 thru No. 7. (See General Mine Map).

c. General mine layout:

A general layout map is to be located at the mine office and at the shop and warehouse. Concurrent with mine development, section escapeways are to be posted in conspicuous locations available to all miners on the section. Travel of escapeways as an essential part of familiarization, safety, and training will be required as provided in the regulations. A record of such travel is to be maintained on each miner and incorporated in the record of Fire Drills.

d. Ventilation:

The mine ventilation system is to be detailed on the general mine layout map required in (c) above.

e. Communications:

(1) An internal sound powered telephone system is to connect all working areas in the mine to the outside through a telephone interface. Outside communications by

radio and/or telephone will connect to a radio transmitter on top of the mesa plateau near the mine site, and connecting to Mountain Bell Telephone through a radio-telephone interface to Glen Canyon City.

(2) Telephones are to be installed at:

(a) Mine office

(b) Shop and Warehouse

(c) At each working section not more than 500 feet outby the last open crosscut, and not more than 800 feet from the farthest point of penetration of the working places of such section.

(3) Both audio and visual warning signals are to be installed at each telephone connection.

(4) Only approved underground telephones are to be installed.

f. Electrical installations:

All electrical power is to be provided by outside motor generator sets for approximately the first two years of mine operation. The main power cable will contain four power lines. Mine startup will employ one 480 a.c., 1400 KW unit. Breaker and feeder units are to be located a maximum of 600 feet from the working face.

E. Section 75.1101-23:

a. All underground personnel not required for fire fighting duties are to be evacuated in event of a fire emergency. Section personnel will proceed to the nearest mantrip car, as provided in the Evacuation Plan, for transport to a junction center for assembly transport to the surface. Underground employees on all shifts are to receive instruction in the use of fire suppression equipment within the working section, and become familiar with the location thereof.

b. All mining personnel, and surface operating personnel

assigned to fire fighting details, shall complete an annual training course of instruction in fire fighting and equipment use, and all newly employed miners shall complete this course within six months after date of employment. A record of scheduled instruction, together with attendance thereto, is to be kept current at the maintenance and warehouse office at all times.

c. The foreman over each working section, and over each production shift, shall require a minimum of two miners in each section be proficient in the use and location of all fire fighting equipment available in the working section.

d. All mining personnel, and surface personnel assigned to fire fighting details, are to be proficient in the fire fighting duties assigned, and in the use and location of the fire fighting equipment devices installed, including such devices installed for fire suppression on all moving and operational equipment.

e. All underground personnel, and personnel assigned to fire fighting details, are to participate in fire drills on unscheduled occasions, and at intervals not exceeding 90 days. A record of such fire drills shall be maintained, detailing such specific information as is required for the record. Strict accounting shall be maintained on all miners and reasons for non-participation in fire drills during the 90 day period.

f. Designated underground personnel, and surface operational personnel assigned to fire fighting details, shall perform in the specific tasks assigned, and shall include detail assignments in communications, transportation, supply, and ventilation changes, should these functions be necessary in the event of fire emergency. Fire fighting details shall be trained in the rapid assembly and transportation of necessary men, fire fighting equipment, and rescue apparatus to the scene of the fire.

333 NORTH HIGHWAY 17

P.O. BOX 752, HURRICANE, UTAH, 84737 (801) 635-2572



MINERALS *and*
MINING **MANUFACTURING**
MILLING *of*
MELTING

METAL PRODUCTS - MINI MILLS - MINING EQUIPMENT

I N C O R P O R A T E D

August 11, 1975

ALL EMPLOYEES
John Henry Mine
Kaiparowits Plateau

Subject: Safety Precautions To Be Taken

SMOKING - MATCHES - OPEN LIGHTS

ALL UNDERGROUND PERSONS, including those who may work near oil or gas storage, are PROHIBITED from carrying on their person, or use of any smoking materials, matches, or other flame-type devices.

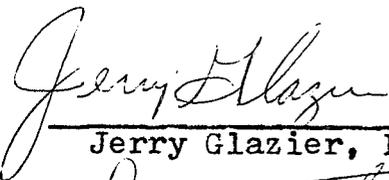
Any person found in violation of this safety rule shall be summarily dismissed from employment.

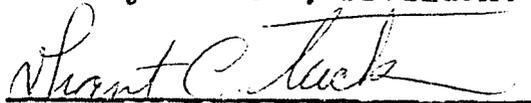
This safety provision shall be enforced by the Shift Foreman, and other authorized supervisory personnel, by conducting weekly inspections of personnel, and such inspections recorded and preserved as a written record.

This record, in turn, shall be made available for inspection by any interested parties in the administration of their authority.

Reference:
Federal Coal Act of 1969
Section 317(c)

Code of Federal Regulations
Title 30 - Mineral Resources
Part 75.1721 (10)


Jerry Glazier, President


Grant C. Tucker, Mine
Superintendent

333 NORTH HIGHWAY 17

P.O. BOX 752, HURRICANE, UTAH, 84737 (801) 635-2572



MINERALS
MINING
MILLING
MELTING

and
MANUFACTURING

of
METAL PRODUCTS - MINI MILLS - MINING EQUIPMENT

I N C O R P O R A T E D

August 11, 1975

Mining Enforcement, and
Safety Administration (MESA)
District 9
P. O. Box 15037
Denver, Colorado 80215

FAN STOPPAGE PLAN

Dear Sir:

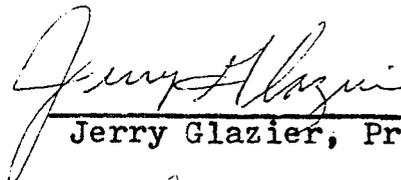
In order to comply with Section 303(t) of the Federal Health and Safety Act of 1969, and to insure the safety of the workmen in case of discontinuity of mine fan operation, the following plan is hereby adopted and implemented at the John Henry Mine, Kaiparowits Plateau, Kane County, Utah:

1. When a fan stoppage occurs, the official in charge of underground operations will be notified promptly, and communications will be maintained during the interruption.
2. In the event of a fan stoppage, all men will be withdrawn from the face area, and any face equipment in use will be deenergized immediately.
3. If the interruption is for less than 15 minutes, all faces will be examined and reported safe before any equipment that may be in use is energized and the men permitted to resume work. The results of the examinations will be entered in the report book.
4. If the fan is not started within 15 minutes, all men will be withdrawn from the mine and any electric power used in the mine will be cut off within 30 minutes of the fan stoppage.
5. Upon restoration of the ventilation and after the fan has been in operation for at least 15 minutes with a normal water gauge, an examination will be made of the entire mine, similar to the regular preshift examination,

5M Corporation
Fan Stoppage
Page 2 of 2

before the men are permitted to reenter the mine and
before any power lines leading underground are energized.

Sincerely,



Jerry Glazier, President

42-01227

Identification Number
U.S. Bureau of Mines



Grant C. Tucker, Plant
Superintendent

VENTILATION SYSTEM
METHANE AND DUST CONTROL
PLAN

(Attached Herewith Under Separate Cover)

John Henry Mine
Kaiparowits Plateau
Kane County, Utah

12 August 1975

ROOF-CONTROL PLAN

(Attached Herewith Under Separate Cover)

John Henry Mine
Kaiparotits Plateau
Kane County, Utah

12 August 1975