75.370
Ventilation Plan

U.S. Department of Labor

Mine Safety and Health Administration
604 Cheat Road
Morgantown, West Virginia 26508

UNDERGROUND MINE FILE	
DATE FWD	12-20-5
INITIALS	aew

SENT TO AND/OR DISCUSSED WITH FIELD OFFICE:

SURNAME	DATE

REVIEWED BY:

Hlavsa	12/13/05
Jones	12-15-05
Mraky	12-15-05

DEC 2 0 2005

Mr. Jeffrey K. Toler
Superintendent
Anker WV Mining Company, Inc.
Route 9, Box 507
Buckhannon, West Virginia 26201

Dear Mr. Toler:

The request filed November 30, 2005, to maintain three open crosscuts at the Sago Mine, I.D. No. 46-08791, has been reviewed. The response to providing justification of merely increasing the air quantity 4,500 cfm above the minimum requirements is not adequate justification that ensures the safety of the miners. The request may be considered if sufficient justification is presented, other than for convenience, such as specific conditions on the working section that prevent the stoppings from being maintained to and including the third connecting crosscut outby the faces. Therefore, your request is not being approved.

You are reminded that all changes or revisions to the mine ventilation plan, as specified in 30 CFR 75.370(d), must be submitted to and approved in writing by this office before they are implemented.

If you have any questions, please feel free to contact this office.

Sincerely,

Kevin G. Stricklin

Kevin G. Stricklin
District Manager

THlavsa:aew

bcc:
Bridgeport F/O (2)
E. Parrish
Map File
~~Main~~ File

ANKER WEST VIRGINIA MINING COMPANY INC.
Sago Mine
Rt. 9 Box 507
Buckhannon, WV 26201
Phone 304-473-1676
Fax 304-473-1677

11-30-05

November 30, 2005

Mr. Kevin G. Stricklin, District Manager
Mine Safety Health Administration
604 Cheat Rd
Morgantown, WV 26508

Dear Mr. Stricklin:

Anker West Virginia Mining Company, Inc. Sago Mine MSHA I.D. 46-08791 is writing this letter in response to your letter dated Nov. 8, 2005 in which you state that the request to have three open crosscuts in not approved, since adequate justification that ensures the safety of the miners has not been provided.

Our request raised the quantity of air in the last open crosscut from a minimum of 9000 CFM to a minimum 13,500 CFM, this is an increase of 50%. We submit that an increase of 50% in the minimum amount of air in the last open crosscut is adequate justification to ensure the safety of miners based on CFR 30 75.325(b) "the quantity of air reaching the last open crosscut of each set of entries or rooms on each working section be at least 9,000 cubic feet per minute".

Based on this information we are respectfully requesting you reconsider our initial request filed October 24, 2005 for approval.

Should you have any questions concerning this matter please call me at 304-471-3303.

Sincerely,

John B. Stemple Jr.
Assistant Director of Safety
and Employee Development

FAX

Anker WV Mining Co., Inc.
Buckhannon Division
Suite 211 One Edmiston Way
Buckhannon, WV 26201

Date November 30, 2005
Number of pages including cover sheet 2

To: Kevin Stricklin

Fax No. 225-2256

From: Johnny Stemple

Phone (304)471-3303
Fax Phone (304)471-6011

REMARKS:

☐ Urgent ☒ For your review ☐ Reply ASAP ☐ Please comment

Kevin:

I'm faxing a response to denial letter dated Nov. 8, 2005 for the Sago Mine Ventilation and Dust control plan as stated on the enclosed fax. Your prompt attention to this matter is greatly appreciated.

Thanks,
Johnny

11/30/2005 10:33

=== COVER PAGE ===

TO: _____

FROM: ICG SPRUCE-FORK

FAX: 3044713442

TEL: 3044713440

COMMENT:

U.S. Department of Labor

Mine Safety and Health Administration
604 Cheat Road
Morgantown, West Virginia 26508

UNDERGROUND MINE FILE	
DATE FWD.	12-19-5
INITIALS	aew

SENT TO AND/OR DISCUSSED WITH FIELD OFFICE:

SURNAME	DATE
Parrish/Tenney	12-5-2005

REVIEWED BY:

Parrish	12/12/05
Wilson	12/13/05
Jones	12-13-05
Mosley	12-14-05

DEC 19 2005

Mr. Jeffrey K. Toler
Superintendent
Anker West Virginia Mining Company, Inc.
Route 9, Box 507
Buckhannon, West Virginia 26201

Dear Mr. Toler:

The request filed December 1, 2005, for a test area as shown in red on the accompanying map for the ventilation, evaluation to mine the lower bench of the Middle Kittanning seam and future seal locations of the A-2 Panel at the Sago Mine, I.D. No. 46-08791, has been reviewed and is approved. This information will be included in your currently approved mine ventilation plan.

You are reminded that all changes or revisions to the mine ventilation plan, as specified in 30 CFR 75.370 (d), must be submitted to and approved in writing by this office before they are implemented.

If you have any questions, please feel free to contact this office.

Sincerely,

Kevin G. Stricklin

Kevin G. Stricklin
District Manager

EParrish:si

bcc:
Bridgeport Field Office (2)
W. Ponceroff
E. Parrish
Health Group
Map File
Main File

ANKER WEST VIRGINIA
MINING COMPANY

RT. 9 BOX 507

BUCKHANNON, WV 26201

2005 DEC -1 PM 1:40

RECEIVED

12-1-05

November 30, 2005

Mr. Kevin Stricklin
MSHA
604 Cheat Road
Morgantown, WV 26508

Dear Mr. Stricklin:

The following correspondence is concerning the second mining of our Sago Mine, (MSHA I. D. No. 46-08791 & State I. D. No. U-2016-98B). We wish to respectfully submit an amendment to our current approved ventilation and roof control plans for the A2-Panel area of the Sago Mine for second mining of the lower bench of the Middle Kittanning Seam for both the entries and cross-cuts alike. Refer to attachment labeled (Projected Area) which shows proposed ventilation circuits and evaluation points and future seal locations once the panel is abandoned. Note: In the set of seals labeled 1 through 5, seals 1 and 5 will be built last, and in the set of seals labeled 6 through 10, seals 6 and 10 will be built last. For your information I have attached a detailed cut sequence map that will eliminate exposure of persons to heightened areas. A list of the safety precautions that have been successfully utilized in previously mined areas has been included that will be in effect during this application.

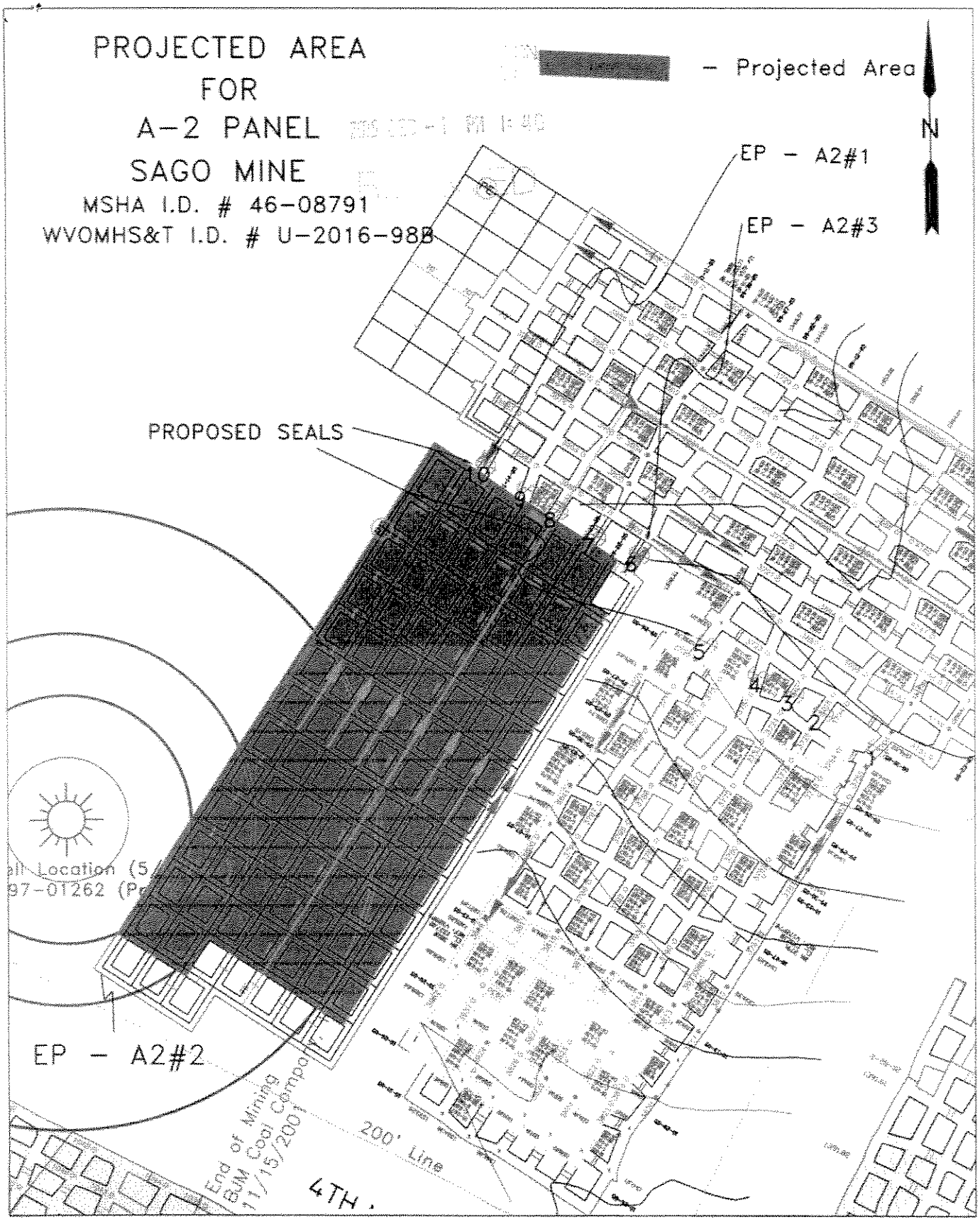
All previously approved submittals concerning this mining application will still be in effect for this mining application.

In closing, your prompt review and approval of this request will be greatly appreciated by this department. If you have any questions concerning this correspondence please feel free to contact me at 1-304-471-3303.

John B. Stemple Jr.

John B. Stemple Jr.

Assistant Director of Safety
And Employee Development


PROJECTED AREA
FOR
A-2 PANEL
SAGO MINE
MSHA I.D. # 46-08791
WVOMHS&T I.D. # U-2016-98B
- Projected Area
N
EP - A2#1
EP - A2#3
PROPOSED SEALS
10
9
8
7
6
5
4
3
2
1
EP - A2#2
End of Mining
B&M Coal Compo
11/15/2001
200' Line
4TH.

U.S. Department of Labor

Mine Safety and Health Administration
604 Cheat Road
Morgantown, West Virginia 26508

SENT TO AND/OR DISCUSSED WITH FIELD OFFICE:

SURNAME	DATE
Parrish / Terry	11-01-2005

REVIEWED BY:

Parrish	12-5-2005
Hlava	12/6/05
Jones	12-6-05
C. Mosley	12-6-05

12-12-5
aew

DEC 8 2005

Mr. Jeffrey K. Toler
Superintendent
Anker WV Mining Company, Inc.
Route 9, Box 507
Buckhannon, West Virginia 26201

Dear Mr. Toler:

The request filed October 31, 2005, to add an alternative method of seal construction to the ventilation plan for the Sago Mine, I.D. No. 46-08791, has been reviewed. The alternative method seal with non-hitched style Omega blocks is approved and will be included in the currently approved mine ventilation plan.

You are reminded that all changes or revisions to the mine ventilation plan, as specified in 30 CFR 75.370(d), must be submitted to and approved in writing by this office before they are implemented.

If you have any questions, please feel free to contact this office.

Sincerely,

Kevin G. Stricklin

Kevin G. Stricklin
District Manager

EParrish:aew

bcc:
Bridgeport F/O (2)
W. Ponceroff
E. Parrish
Health Section
Map File
~~Main~~ File

12-6-05

ANKER WEST VIRGINIA MINING COMPANY INC.
Spruce Fork Division
1 Edmiston Way
Buckhannon, WV 26201
Phone 304-471-3300
Fax Phone 304-471-6011

RECEIVED

October 28, 2005

Kevin Stricklin, District Manager
Mine Safety and Health Administration
604 Cheat Road
Morgantown, WV 26508
Attn: [illegible]
Re: Sago Mine's Proposed Seal Plan Amendment

Mr. Stricklin:

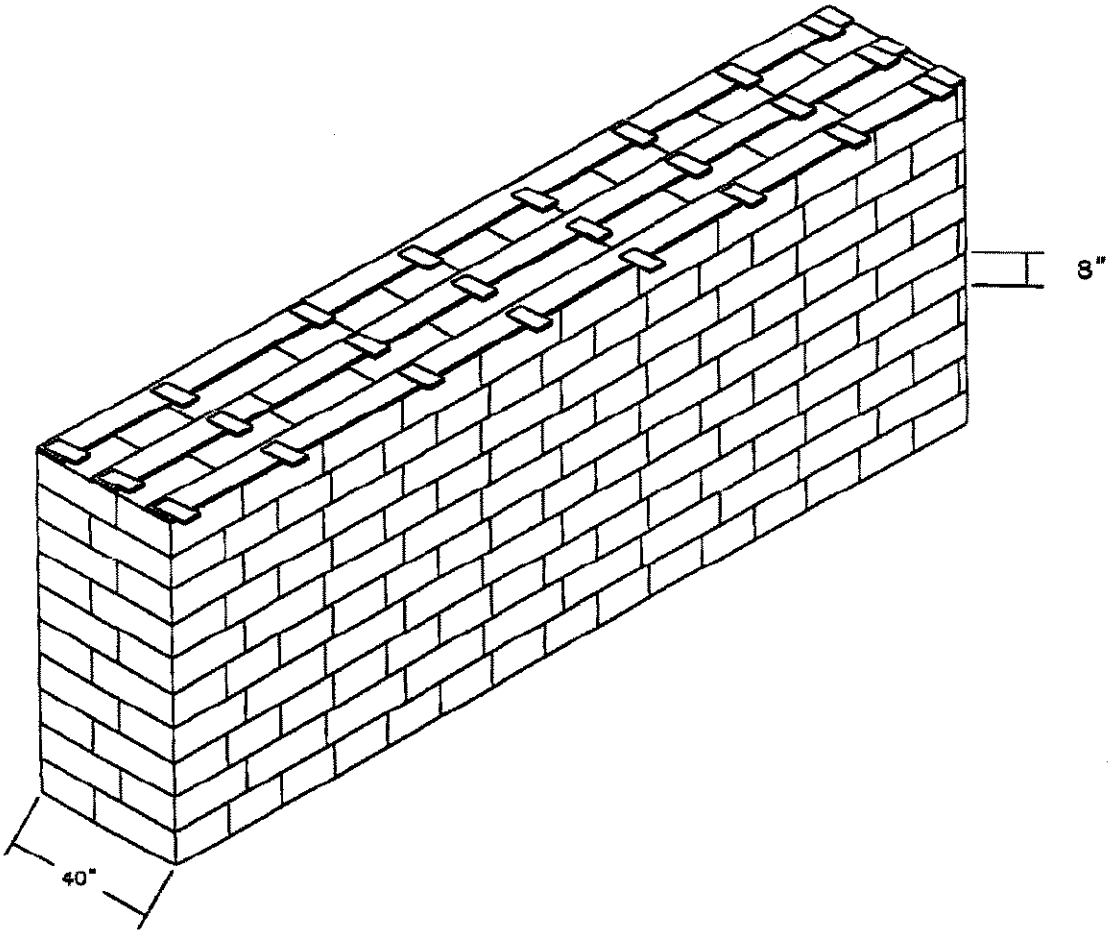
Anker West Virginia Mining Company wishes to submit an amendment to the proposed mine seal plan that was submitted to your office on 09-29-05 for the Sago Mine, MSHA ID # 46-08791. This proposal will address the addition of utilizing pilasters with the Omega Mine Seals when the mined height exceeds eight foot. Please refer to the attached technical drawing depicting construction and dimensions of this application.
In closing if you have questions concerning this matter please feel free to contact me at 1-304-471-3300.

Sincerely,

John B. Stemple Jr.
Assistant Director of Safety
and Employee Development

40" THICK OMEGA BLOCK SEAL
FOR USF WITH SEALS UP TO 8 FT HIGH BY 20 FT WIDE
NO HITCHING REQUIRED

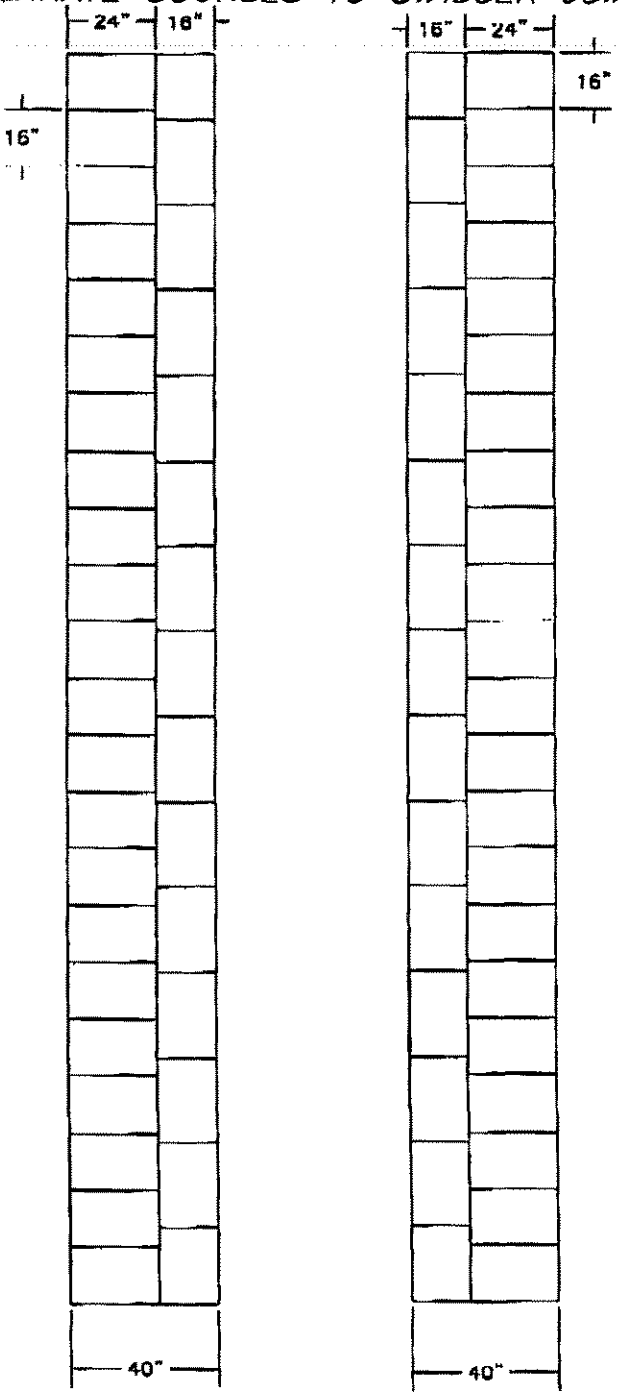
1. Total thickness of completed seal shall be 40 inches
2. No hitching required
3. Joints must be staggered
4. All joints shall be a minimum ¼ inch thich and be motared using "BlockBond"
5. Three rows of wood planks running the entire length of the seal shall be installed across the top of the seal
6. Wedges will be placed on 1' centers or less with "BlocBond" used to fill the gaps
7. "BlocBond" shall be used as full face coating on both sides of the seal.



- seals shall be at least 10 feet from the corner of the pillar
- Sampling pipes shall be installed as per 75.335

40" THICK OMEGA BLOCK SEAL
CONTRUCTION PLAN
FOR USE WITH SEALS UP TO 8 FT HIGH BY 20 FT WIDE

ALTERNATE COURSES TO STAGGER JOINTS



PROPOSED PLAN FOR CONSTRUCTION OF NON-HITCHED OMEGA BLOCK SEALS

1. Each seal shall be substantially constructed of (8" X 16" X 24") Omega Blocks with joints plastered with "BlocBond" and all joints shall be adequately mortared. Inby and outby face of completed seal shall be fully coated with "BlocBond"

2. Seals shall be at least forty (40) inches thick.

3.Seals shall be at least ten (10) or more feet from the corners of a pillar.

4. Seals shall be constructed in solid floor that remains unbroken. Where this is not possible, preferred site is floor that is settled. All loose broken material shall be removed from the ribs, roof and floor for at least three (3) feet on both sides of the point where the seal is to be built. All cracks shall be grouted in the site preparation area.

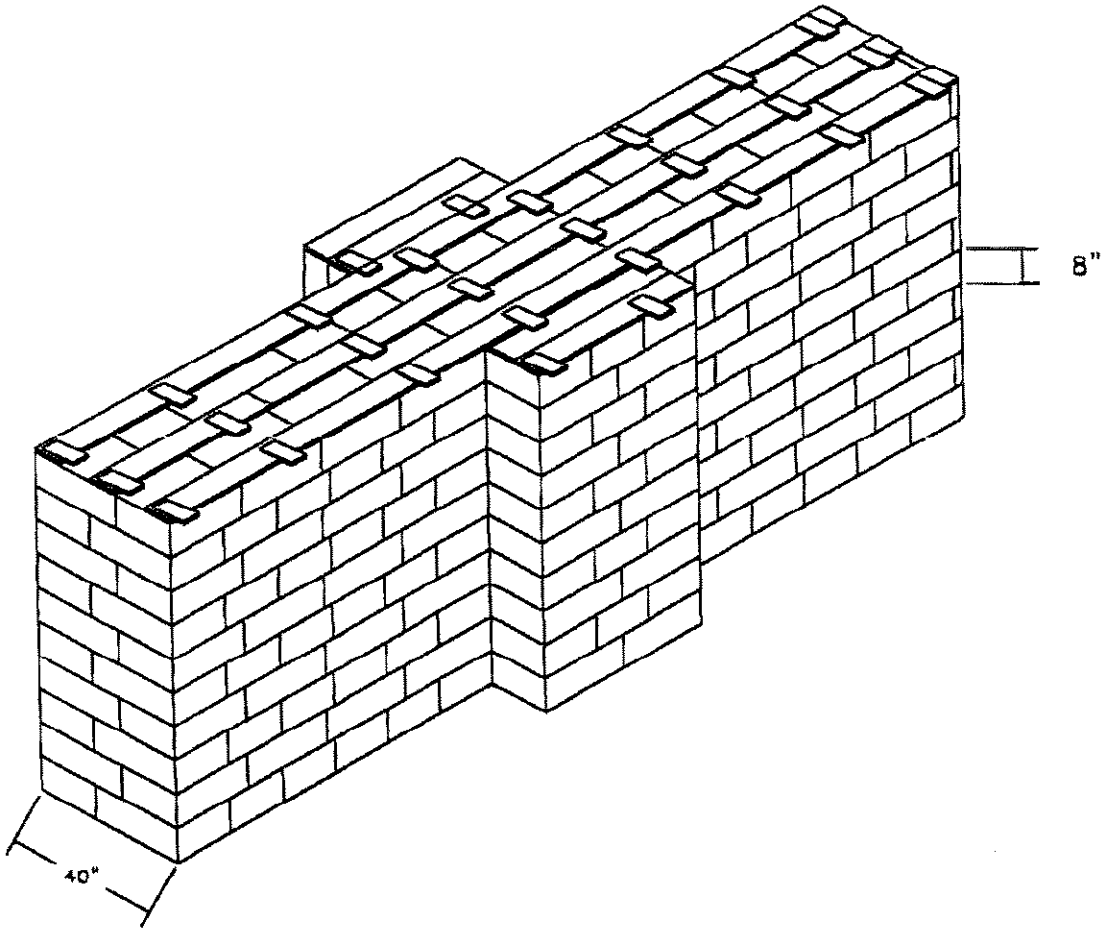
5. Water shall be drained from the inby face of the seal (where standing water could weaken the seal or floor) into the open portion of the mine by using a sized for drainage non-corrosive pipe with a minimum twelve (12) inches deep water trap.

6. Seals must be protected from adverse roof and floor conditions by no less than two (2) rows of timbers on four (4) foot centers or three (3) cribs on both sides of the seal.

7. TEST PIPE: Sample pipes will be installed as per 30CFR 75.335

40" THICK OMEGA BLOCK SEAL WITH PILASTER
FOR USE WITH SEALS UP TO 10 FT HIGH BY 20 FT WIDE

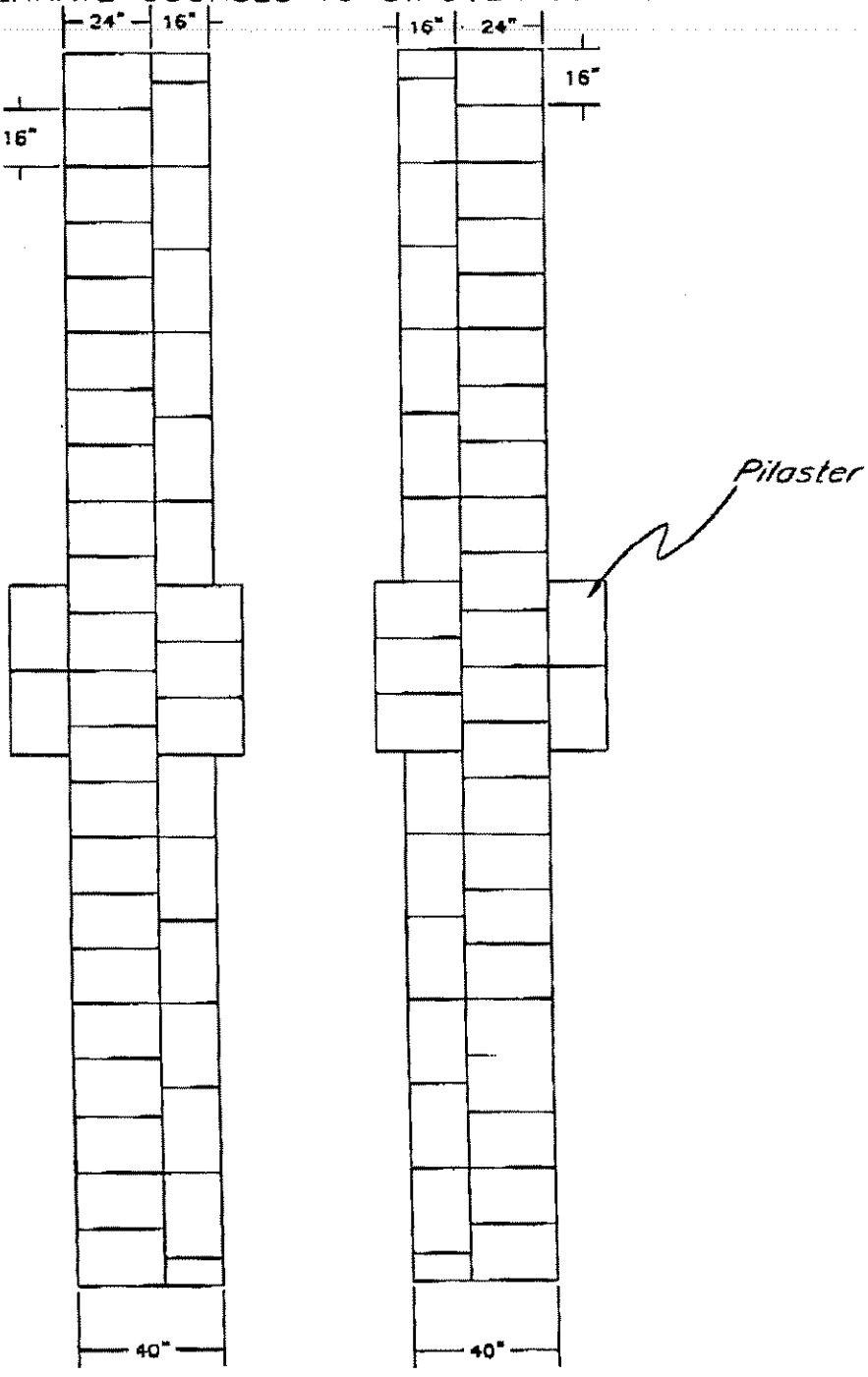
1. Total thickness of completed seal shall be 40 inches
2. No hitching required
3. Joints must be staggered
4. All joints shall be a minimum ¼ inch thich and be motared using "BlockBond"
5. Three rows of wood planks running the entire length of the seal shall be installed across the top of the seal
6. Wedges will be placed on 1' centers or less with "BlocBond" used to fill the gaps
7. "BlocBond" shall be used as full face coating on both sides of the seal.



- seals shall be at least 10 feet from the corner of the pillar
- Sampling pipes shall be installed as per 75.335

40" THICK OMEGA BLOCK SEAL WITH PILASTER
FOR USE WITH SEALS UP TO 10 FT HIGH BY 20 FT WIDE
CONTRUCTION PLAN

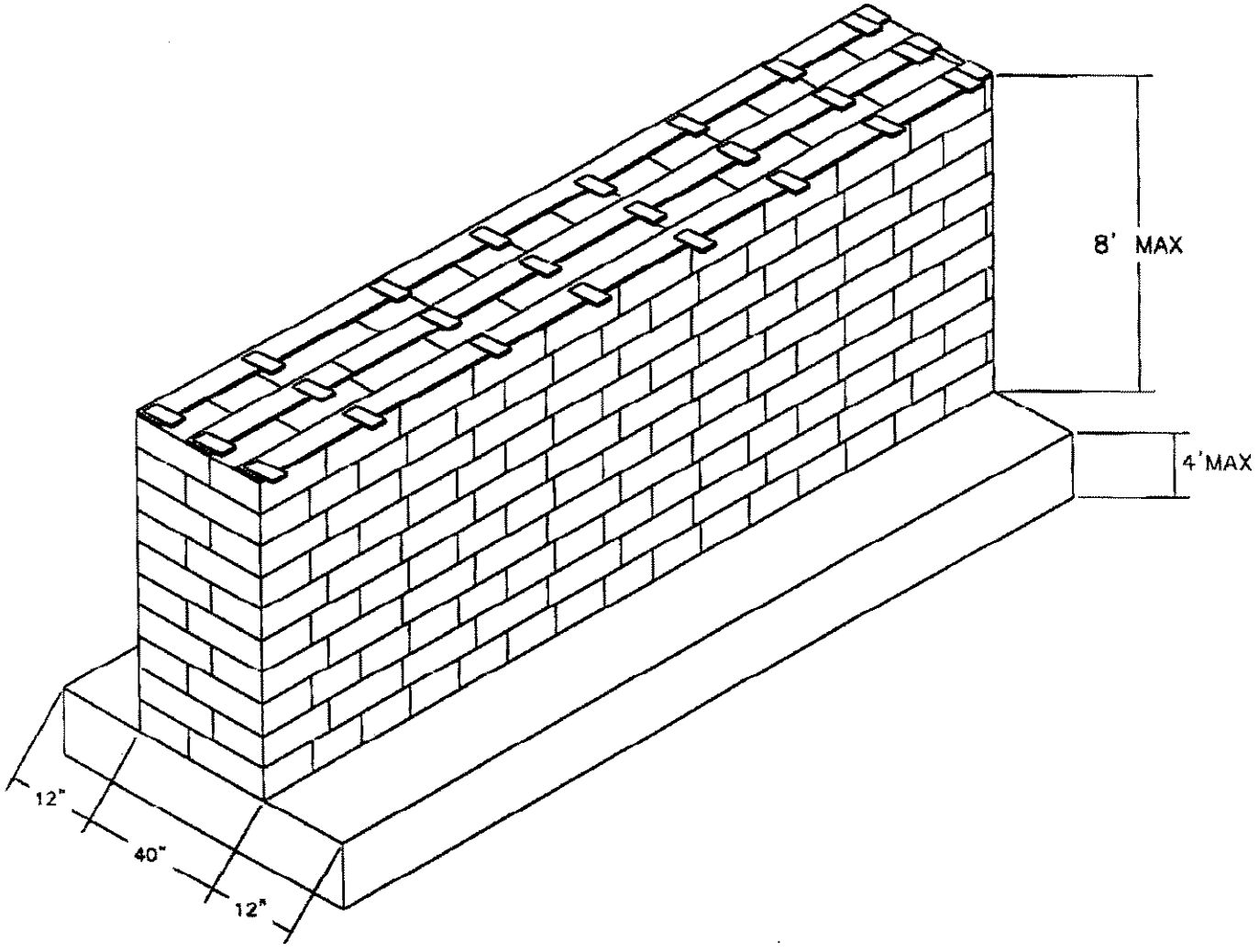
ALTERNATE COURSES TO STAGGER JOINTS



40" THICK OMEGA BLOCK SEAL WITH CONCRETE PIER

FOR USE WITH SEALS UP TO 12 FT HIGH BY 20 FT WIDE

1. Total thickness of completed omega portion of seal shall be 40 inches
2. No hitching required
3. Joints must be staggered
4. All joints shall be a minimum ¼ inch thich and be motared using "BlocBond"
5. Three rows of wood planks running the entire length of the seal shall be installed across the top of the seal
6. Wedges will be placed on 1' centers or less with "BlocBond" used to fill the gaps
7. "BlockBond" shall be used as full face coating on both sides of the seal.
8. Solid concrete pier will will be built 64" wide (as noted on diagram).
9. Pier shall be constructed of 1101 series Quickcrete or equivalent. The pier will be allowed to cure 6 day before omega seal is built on top of pier.
10. The compressive strength of the quickcrete will be 1500 psi after 6 days, and 4000 psi after 28 days.
11. Quickcrete–omega interface will be plastered ¼ inch thich using "BlocBond" motor, similar to all other joints.



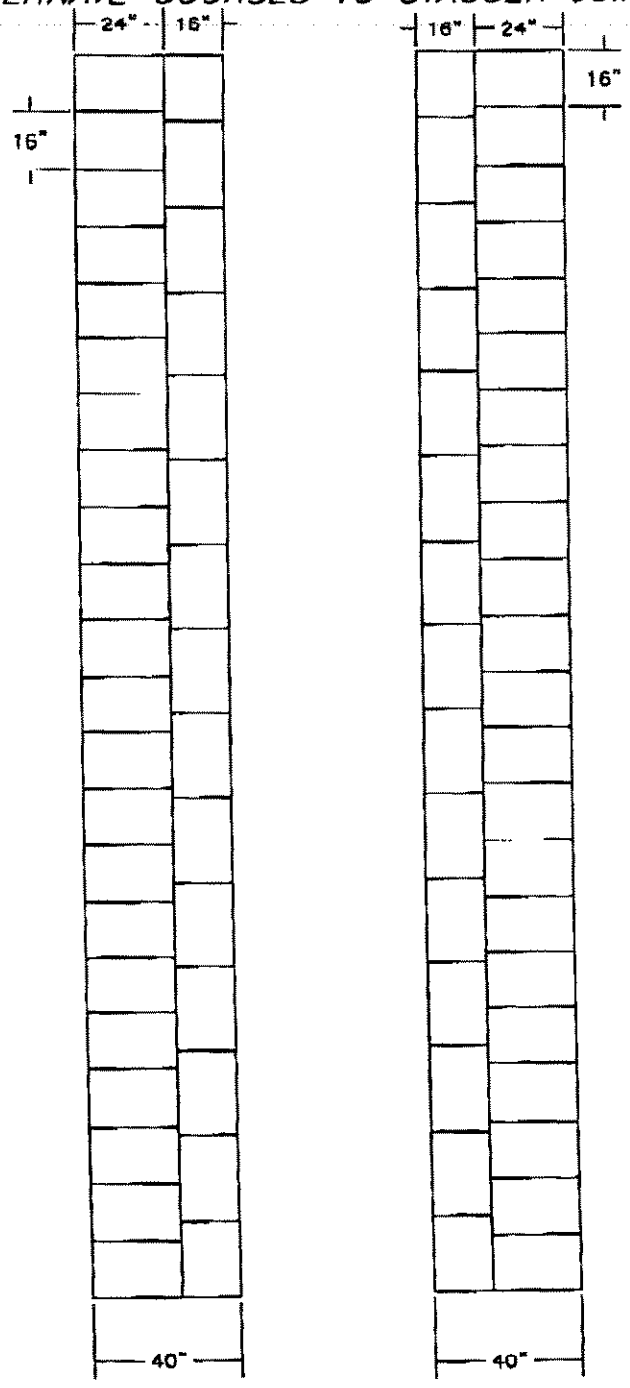
- seals shall be at least 10 feet from the corner of the pillar
- Sampling pipes shall be installed as per 75.335

40" THICK OMEGA BLOCK SEAL WITH CONCRETE PIER

FOR USE WITH SEALS UP TO 12 FT HIGH BY 20 FT WIDE

CONTRUCTION PLAN

ALTERNATE COURSES TO STAGGER JOINTS



U.S. Department of Labor

Mine Safety and Health Administration
604 Cheat Road
Morgantown, West Virginia 26508

SENT TO AND/OR DISCUSSED WITH FIELD OFFICE:

SURNAME	DATE
Satterfield	10-27-05

REVIEWED BY:

Brooks	11-3-05
Hanna	11/4/05
Wolfe	11-8-5

SENT THROUGH MINE FILE
DATE RCVD. 11-9-5
INITIALS aew

NOV 8 2005

Mr. Jeffrey K. Toler
Superintendent
Anker WV Mining Company, Inc.
Route 9, Box 507
Buckhannon, West Virginia 26201

Dear Mr. Toler:

The request filed October 24, 2005, to have three open crosscuts at the Sago Mine, I.D. No. 46-08791, has been reviewed. Since adequate justification that ensures the safety of the miners has not been provided, the request is not being approved.

If you have any questions, please feel free to contact this office.

Sincerely,

ORIGINAL SIGNED BY
CARLOS MOSLEY

Kevin G. Stricklin
District Manager

MBrooks:aew

bcc:
Bridgeport F/O (2)
M. Brooks
E. Parrish
Map File
~~Main~~ File

10-25-05

ANKER WEST VIRGINIA MINING COMPANY, INC.
Sago Mine
Rt. 9 Box 507
Buckhannon, WV 26201
Phone 304-473-1676
Fax 304-473-1677

October 24, 2005

Mr. Kevin G. Stricklin, District Manager
Mine Safety Health Administration
604 Cheat Rd
Morgantown, WV 26508

Dear Mr. Stricklin:

Anker West Virginia Mining Company, Inc. Sago Mine MSHA I.D. 46-08791 is submitting a request to add the following statement to our current approved Ventilation and Dust Control Plan on page 6.

Return stopping line will be maintained up to but not including the third connecting crosscut outby the face. In order to ensure adequate ventilation is maintained in the face areas when three open crosscuts are present on the return side, a minimum of 13,500 CFM will be maintained in the last open crosscut separating the intake and return entries.

Should you have any questions concerning this matter please call me at 304-471-3303.

Sincerely,

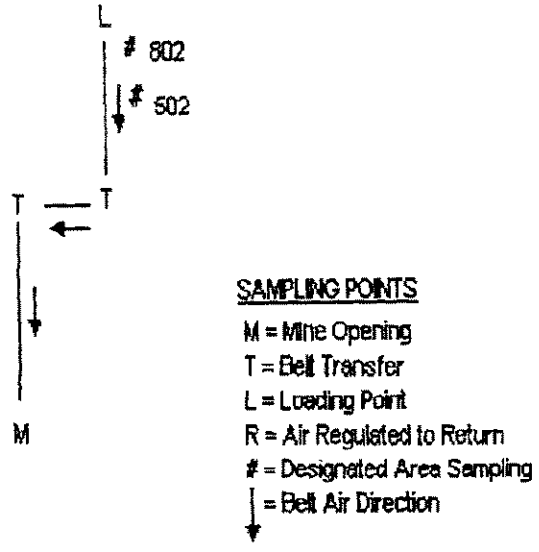
John B. Stemple Jr.
Assistant Director of Safety
And Employee Development

A minimum of 9,000 CFM will be maintained at the last open break when installing and removing mechanized mining equipment, or at the intake end of the pillar line when removing mechanized mining equipment. A minimum of 3,500 CFM will be maintained over the bolter while the bolter is operating. Ventilation controls will be installed and maintained according to the typical development diagrams included with this plan.

Line brattice or equivalent shall be maintained within 10' to point of deepest penetration for each entry or room where crosscuts cannot be provided before the entry or room is abandoned. If an entry or room is necked in more than 10', a curtain shall be installed before the entry or room is abandoned. In addition, line brattice or equivalent shall be maintained within 10' of a fully supported face or within 20' of an unbolted face.

Return stopping line will be maintained up to but not including the third connecting crosscut outby the face. In order to ensure adequate ventilation is maintained in the face areas when three open crosscuts are present on the return side, a minimum of 13,500 CFM will be maintained in the last open crosscut separating the intake and return entries.

Designated Area Sampling for Producing Sections



FAX

Anker WV Mining Co., Inc.
Spruce Fork Division
Suite 211 One Edmiston Way
Buckhannon, WV 26201

Date October 24, 2005
Number of pages including cover sheet 3

To: Kevin Stricklin

Fax No. **225-2256**

From: Johnny Stemple

Phone (304)471-3303
Fax Phone (304)471-6011

REMARKS:

☐ Urgent ☒ For your review ☐ Reply ASAP ☐ Please comment

Kevin:

I'm faxing a request to amend the Sago Mine Ventilation and Dust control plan as stated on the enclosed fax. Your prompt attention to this matter is greatly appreciated.

Thanks,
Johnny

U.S. Department of Labor

Mine Safety and Health Administration
604 Cheat Road
Morgantown, West Virginia 26508

UNDERGROUND MINE FILE	
DATE	11-9-5
INITIALS	alw

SENT TO AND/OR DISCUSSED WITH FIELD OFFICE:

SURNAME	DATE
Parrett/Tenney	9/7/2005

REVIEWED BY:

Parrett	11/3/2005
Hagan	11/4/05
N. Lyons	04 NOV 05
Wolfe	11-8-5

NOV 8 2005

Mr. Jeffrey K. Toler
Superintendent
Anker West Virginia Mining Co., Inc.
Route 9, Box 507
Buckhannon, West Virginia 26201

Dear Mr. Toler:

The September 2005 six-month review of the ventilation plan has been completed for the Sago Mine, I.D. No. 46-08791, and the approval remains in effect. However, if it is determined from an inspection or by the results of your sampling program that compliance with the respirable dust standard is not maintained, changes or adjustments in the ventilation plan may be necessary.

This approval includes the following material:

1. Mine ventilation plan approved May 5, 2005.

2. The request to revise Page 5 approved May 10, 2005.

3. The request to include Page 5A and change Pages 10 through 14 for the 004 miner approved June 7, 2005.

4. The request to revise Page 5b and make changes to Pages 10 through 14 approved August 10, 2005.

5. The request for a test area to mine the lower bench of the Middle Kittanning seam in the 2nd Left Mains, approved September 28, 2005.

6. The request to extend the test area to mine the lower bench of the Middle Kittanning seam in the 2nd Left Mains, approved October 4, 2005.

7. The request for a test area to mine the lower bench of the Middle Kittanning seam in the (A) panel approved October 21, 2005.

8. The request to add an Omega concrete block seal method to the mine ventilation plan approved October 24, 2005.

Due to numerous supplements and revisions to the mine ventilation plan, please submit a fully revised plan by consolidating the plan and all revisions in an orderly manner and by deleting all outdated material for the next review of the mine ventilation plan, which is due February 2006.

You are reminded that all changes or revisions to the mine ventilation plan, as specified in 30 CFR 75.370(d), must be submitted to and approved in writing by this office before they are implemented.

If you have any questions, please feel free to contact this office.

Sincerely,

ORIGINAL SIGNED BY
CARLOS MOSLEY

Kevin G. Stricklin
District Manager

EParrish:aew

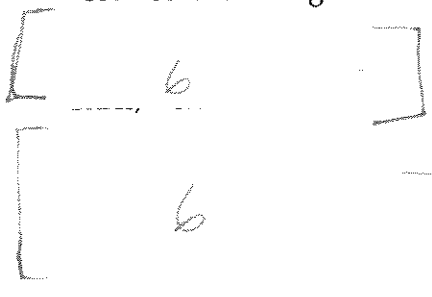
bcc:
Bridgeport F/O (2)
E. Parrish
Map File
~~Main~~ File

NOV 8 2005

COAL MINE SAFETY AND HEALTH DISTRICT 3

MEMORANDUM FOR KEVIN G. STRICKLIN
District Manager

THROUGH: CARLOS T. MOSLEY
Assistant District Manager
for Technical Programs



FROM:

SUBJECT: Review of Mine Ventilation Plan and Program of Instruction (75.1502)

MINE Sago Mine I.D. No. 46-08791

COMPANY Anker West Virginia Mining Co., Inc.

REVIEW STARTED 10/05/2005 REVIEW COMPLETED 10/25/2005

1. The following items were reviewed since the last approval as part of the plan evaluation procedures:

A.	Complete Reexamination of the Ventilation Plan	Yes X	No__ N/A__
B.	Mine Map for Required Information	Yes__	No__ N/A X
C.	Established Checkpoints Per Authority	Yes X	No__ N/A__
D.	Methane Liberation	Yes X	No__ N/A__
E.	Ignition History	Yes X	No__ N/A__
F.	Citations Related to Subpart D - Ventilation	Yes X	No__ N/A__
*G.	Citations for Exceeding the Respirable Dust Standard	Yes X	No__ N/A__
H.	Petitions for Modification Related to Ventilation	Yes__	No__ N/A X
*I.	Respirable Dust Inspection Reports	Yes X	No__ N/A__
*J.	Remote-Control Operations	Yes X	No__ N/A__
*K.	Diesel Equipment	Yes__	No__ N/A X
L.	Escapeways Identified on the Map at the Mine	Yes X	No__ N/A__
M.	Written Comments from Representative of Miners	Yes__	No__ N/A X

**Reviewed By Health Section*

2. The following areas were visited during an in-mine inspection to observe the ventilation system in operation:

Sections: 006 MMU

Bleeder System: None in mine

Non-Pillared Worked-Out Areas: inspected by FO on E01 inspection

Seals: Old Mains, 1 - 8 seals

Ventilation Controls and Construction: Along routes of travel

3. Communication/Discussion with:

Mine Management regarding:
- Ventilation plan and program of instruction 10/24/2005
- Specific compliance with the requirements of 75.364 ..... 10/24/2005
- Any mining projections within the next six months that will be within 500 feet of adjacent abandoned workings (if yes, explain in remarks ..... N/A

Representative of Miners 10/06/2005
MSHA Assistant District Manager 09/07/2005
Field Office 09/07/2005
Health Group 09/07/2005

4. List of new fan installations since last review: None

5. Give brief description of additions and/or revisions (include date) of the plan since last review. If none, enter none below.

1. Revised Page 5 approved 05/10/2005.
2. The request to include page 5A and change pages 10 through 14 (004 Miner) approved 06/07/2005.
3. The request to revise Page 5B and change pages 10 through 14 approved 08/10/2005.
4. The request for a test area in the lower bench of the Middle Kittanning coal seam, 2nd Left Mains, approved 09/28/2005.
5. The request to extend the test area in the Middle Kittanning coal seam, 2nd Left Mains, approved 10/04/2005.
6. The request for a test area in the lower bench of the Middle Kittanning coal seam in the (A) panel approved 10/21/2005.
7. The request to add an Omega concrete block seal method to the mine ventilation plan approved October 24, 2005.

6. Remarks: None

7. Do you recommend approval? Yes_X_ No___

U.S. Department of Labor

Mine Safety and Health Administration
604 Cheat Road
Morgantown, West Virginia 26508

UNDERGROUND MINE FILE
DATE FILED 10-24-5
INITIALS aew

SENT TO AND/OR DISCUSSED WITH FIELD OFFICE:

SURNAME	DATE
Parrish/Terry	10/13/2005

REVIEWED BY:

Parrish	10/18/2005
Hanson	10/19/05
Daly	10-20-05
Mosby	10-20-05

OCT 2 4 2005

Mr. Jeffrey K. Toler
Superintendent
Anker WV Mining Company, Inc.
Route 9, Box 507
Buckhannon, West Virginia 26201

Dear Mr. Toler:

The proposed location and sequence of seal construction across North East Mains and the intentional ventilation change filed October 12, 2005, at the Sago Mine, I.D. No. 46-08791, has been reviewed. The request is approved and will be included as a supplement to the mine ventilation map filed pursuant to 30 CFR 75.372.

You are reminded that this ventilation change must be conducted in accordance with 30 CFR 75.324.

If you have any questions, please feel free to contact this office.

Sincerely,

Kevin G. Stricklin

Kevin G. Stricklin
District Manager

EParrish:aew

bcc:
Bridgeport F/O (2)
E. Parrish
Map File
Main File

Anker West Virginia Mining Company
Rt. 9 Box 507
Buckkannon, WV 26201

October 12, 2005

Kevin Stricklin, District Manager
Mine Health and Safety Administrtation
604 Cheat Road
Morgantown, WV 26508
Attn: [6]

RE: Sago Mine's Ventilation Plan Changes

Mr. Stricklin:

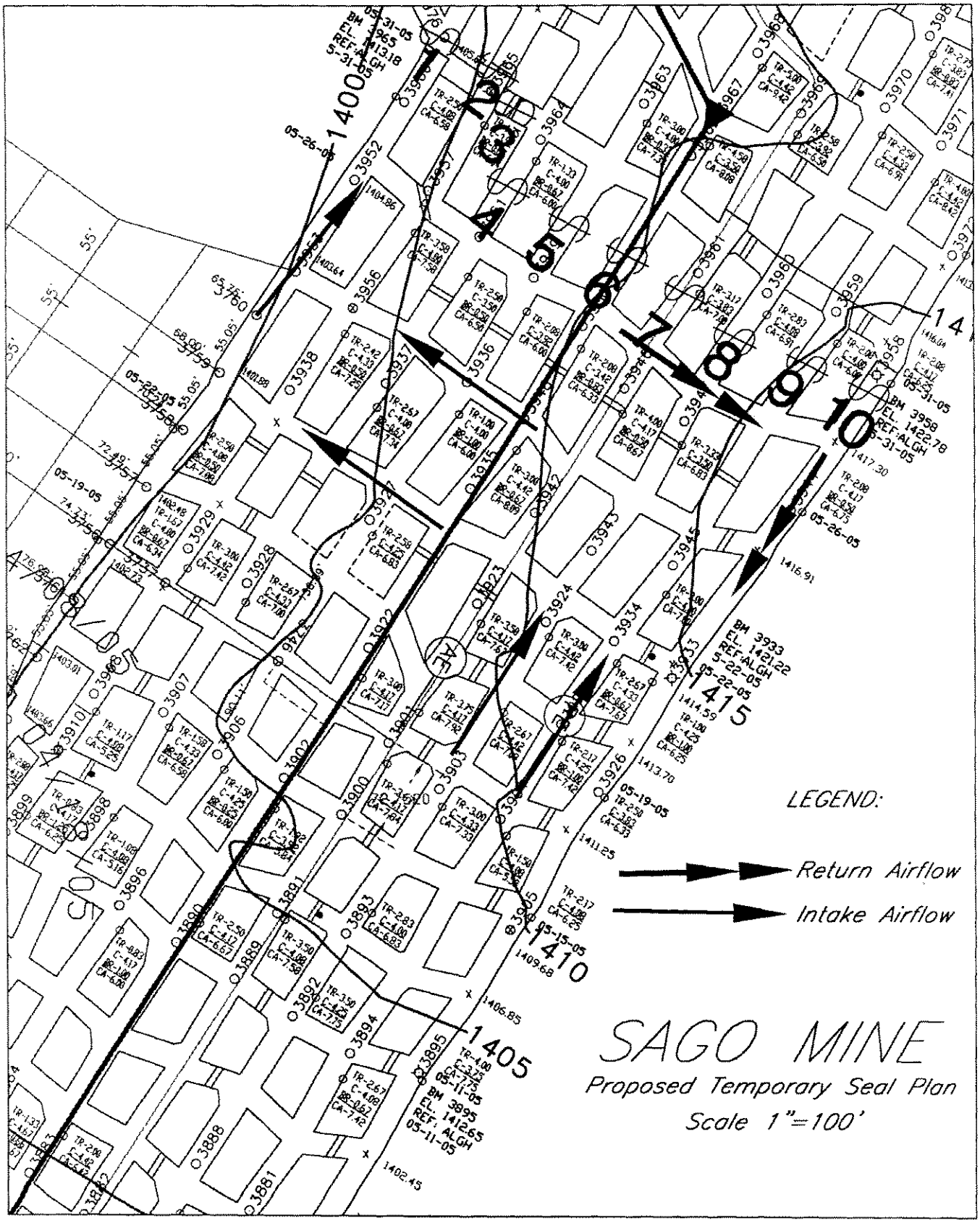
Anker West Virginia Mining Company wishes to seek approval relative to installing nine mine seals across our North-East Mains in our Sago Mine, MSHA ID # 46-08791.

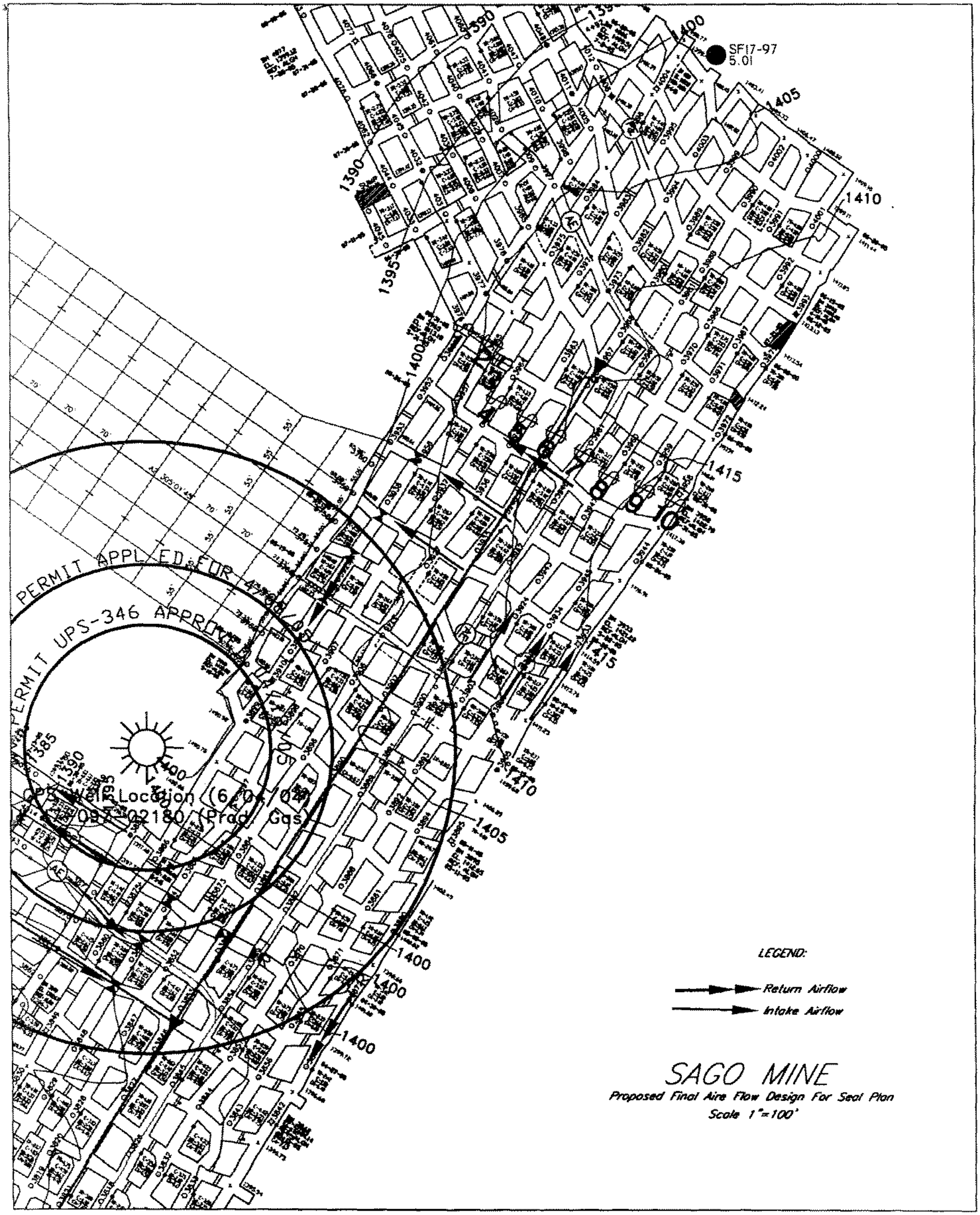
The mine seals being proposed will be constructed across our North East Mains, just inby the area that will be the future location of the 2nd Mains Unit. The proposed seals will be constructed across the North East Mains area in such a manner that the No. 2-9 seals will be constructed first, with seal numbers 1 and 10 be constructed simultaneously. It should be noted that for a temporary time frame, (not to exceed a four week period after the construction of said seals), that we will course air from a left-to-right direction, (from the number 1 entry towards the number 9 entry), in order to ventilate these seals; however, once we have constructed the necessary overcasts on the future 2nd Left Mains the air flow direction will be switched to a right-to-left direction, (From the number 9 entry towards the number 1 entry). See attached mapping to see air flow direction and ventilation control devices.

If you have any questions on this matter, please feel free to contact me at 304-471-3300.

Sincerely,

Joe Myers
FOR Al Schoonover
Safety Director


LEGEND:
Return Airflow
Intake Airflow
SAGO MINE
Proposed Temporary Seal Plan
Scale 1"=100'


SF17-97
5.01
PERMIT APPL ED FOR
PERMIT UPS-346 APPROVED
GPS Well Location (6/04/04)
LEGEND:
Return Airflow
Intake Airflow
SAGO MINE
Proposed Final Aire Flow Design For Seal Plan
Scale 1"=100'

U.S. Department of Labor

Mine Safety and Health Administration
604 Cheat Road
Morgantown, West Virginia 26508

SENT TO AND/OR DISCUSSED WITH FIELD OFFICE:

SURNAME	DATE
Parrish/Penny	10/13/2005

REVIEWED BY:

Parrish	10/19/2005
Brooks for TH	10/20/05
	10-20-05
Mosley	10-20-05

UNDERGROUND MINE FILE
RECEIVED 10-24-5
INITIALS aew

OCT 2 4 2005

Mr. Jeffrey K. Toler
Superintendent
Anker WV Mining Company, Inc.
Route 9, Box 507
Buckhannon, West Virginia 26201

Dear Mr. Toler:

The request filed October 12, 2005, and revision filed October 19, 2005, to add an alternative method of seal construction to the ventilation plan for the Sago Mine, I.D. No. 46-08791, has been reviewed. The alternative method seal made with nonhitched-style Omega blocks is approved and will be included in your currently approved mine ventilation plan.

You are reminded that all changes or revisions to the mine ventilation plan, as specified in 30 CFR 75.370(d), must be submitted to and approved in writing by this office before they are implemented.

If you have any questions, please feel free to contact this office.

Sincerely,

Kevin G. Stricklin

Kevin G. Stricklin
District Manager

EParrish:aew

bcc:
Bridgeport F/O (2)
W. Ponceroff
E. Parrish
Health Section
Map File
Main File

Anker West Virginia Mining Company
Rt. 9 Box 507
Buckkannon, WV 26201

10-13-05

October 12, 2005

Kevin Stricklin, District Manager
Mine Health and Safety Administrtation
604 Cheat Road
Morgantown, WV 26508
Attn: [6]

RE: Sago Mine's Ventilation Plan Changes

Mr. Stricklin:

Anker West Virginia Mining Company wishes to add an Omega Concrete Block Seal Method and Plan to our current Ventilation Plan for our Sago Mine, MSHA ID # 46-08791. It should be noted, that at this time, we only wish to add the non-hitched style to our plan. (See attached diagrams).

If you have any questions on this matter, please feel free to contact me at 304-471-3300.

Sincerely,

Joe Myers
For Al Schoonover
Safety Director

Guidelines for installation of Omega Block Concrete Seals

1. All loose material will be removed from the roof, ribs, and floor to accommodate seal construction and supplemental supports. The seals will be constructed at such a location so that a permanent block seal can be installed in front of the omega seal, if required in the future.

2. The seal will be constructed with Omega blocks using one of the following Methods:

   A) Total thickness of 40"
   B) No hitching required.
   C) Joints must be staggered.
   D) A bonding agent (Blockbond #122551), will be used to seal between each layer and joining edges of blocks at least ¼" thick and will be applied to the front and back of the seal.
   E) The Omega blocks will be either be sawed or constructed so as to bring the top blocks to within 2" of the mine roof.
   F) Three rows of wood planks running the entire length of the seal shall be installed across the top of the seal.
   G) Wedges will be placed on 1 Foot centers or less, with an approved sealant used to fill the gaps.
   H) An approved sealant shall be used as full face coating on both sides of the seal.
   I) Seals shall be installed at least 10 feet from the corner of the pillar.
   J) Sample pipes shall be installed as per 75.335.
   K) Water traps will be installed within 12" of the bottom or floor.

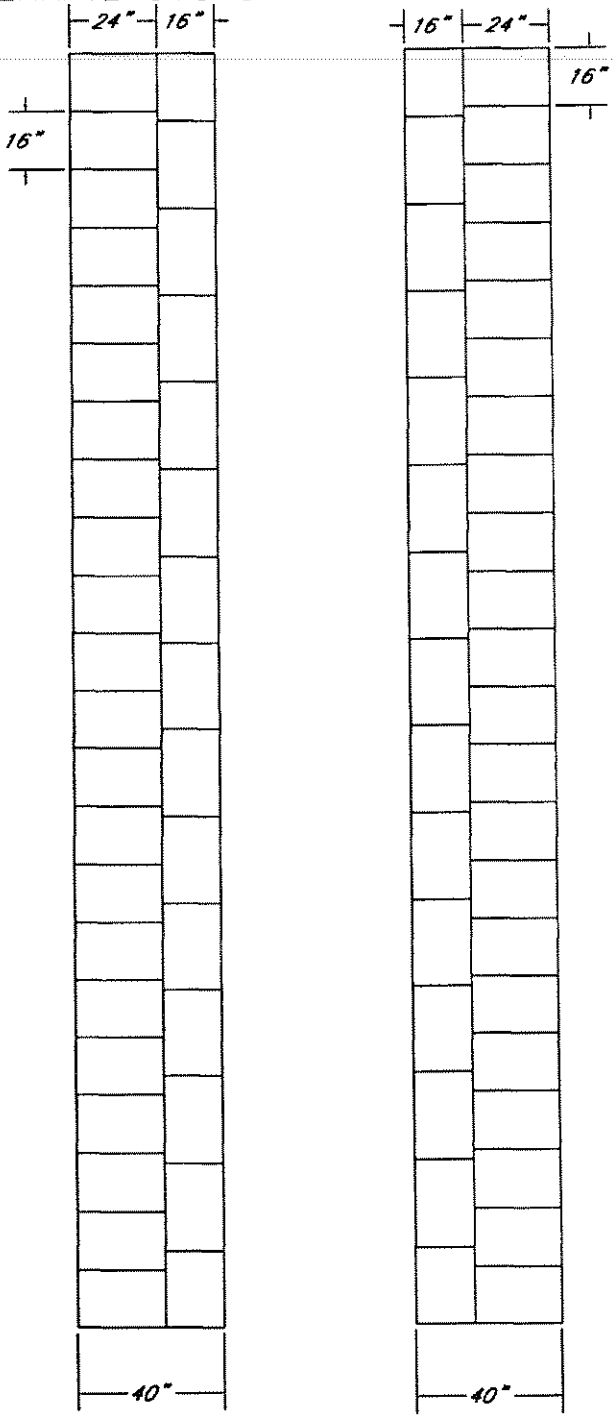
SAGO MINE

40" THICK OMEGA BLOCK SEAL

CONTRUCTION PLAN

FOR USE WITH SEALS UP TO 8 FT HIGH BY 20 FT WIDE

ALTERNATE COURSES TO STAGGER JOINTS

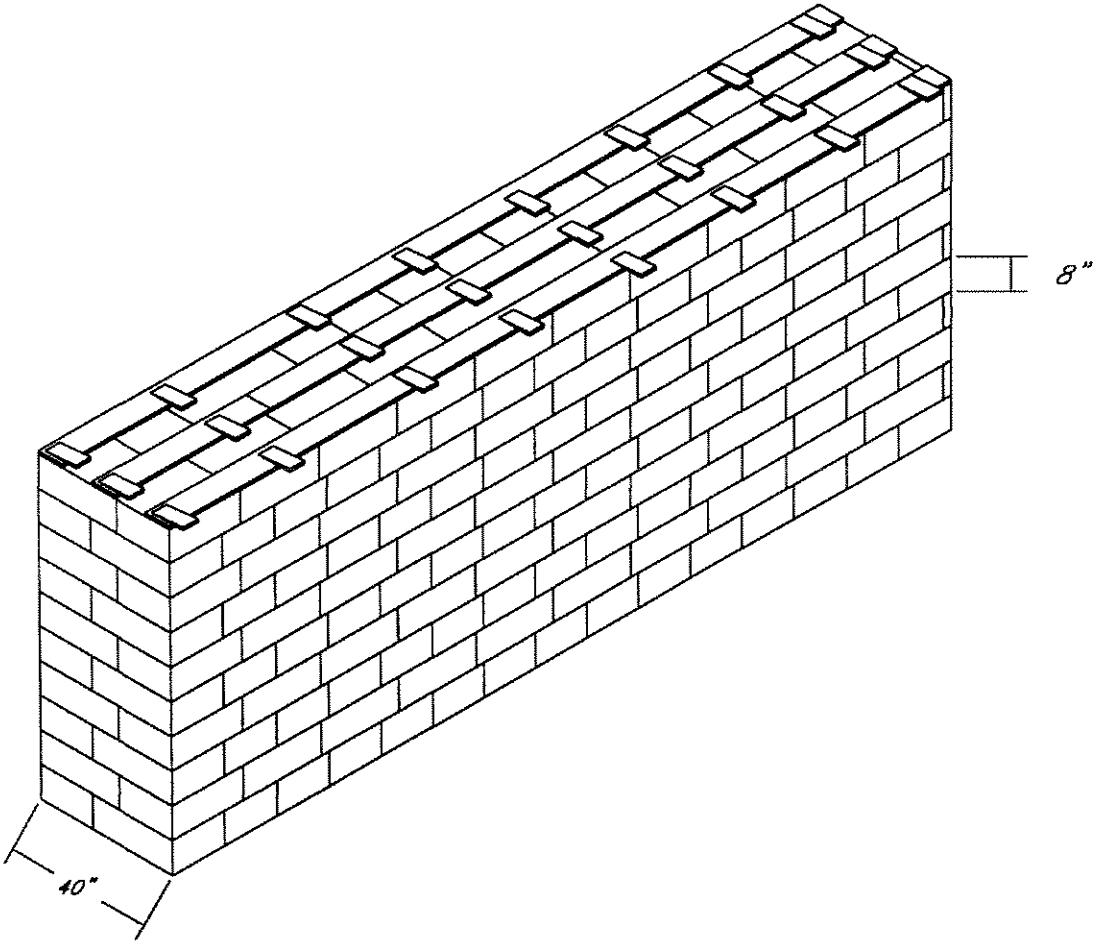


SAGO MINE

40" THICK OMEGA BLOCK SEAL

FOR USE WITH SEALS UP TO 8 FT HIGH BY 20 FT WIDE

1. Total thickness 40 inches
2. No hitching required
3. Joints must be staggered
4. All joints shall be a minimum 1/4 inch thich and be motared using an approved motar/sealant
5. Three rows of wood planks running the entire length of the seal shall be installed across the top of the seal
6. Wedges will be placed on 1' centers or less with an approved sealant used to fill the gaps
7. An approved sealant shall be used as full face coating on both sides of the seal.



- Seals shall be at least 10 feet from the corner of the pillar
- Sampling pipes shall be installed as per 75.335

U.S. Department of Labor

Mine Safety and Health Administration
604 Cheat Road
Morgantown, West Virginia 26508

UNDERGROUND MINE FILE	
DATE FWD.	10-21-5
INITIALS	aew

SENT TO AND/OR DISCUSSED WITH FIELD OFFICE:

SURNAME	DATE

REVIEWED BY:

	10/21/05
	10/21/05
	10/21/2005

OCT 2 1 2005

Mr. Jeffrey K. Toler
Superintendent
Anker WV Mining Company, Inc.
Route 9, Box 507
Buckhannon, West Virginia 26201

Dear Mr. Toler:

The request filed October 17, 2005, for a test area as shown on the accompanying map for the ventilation and evaluation of the worked-out area as a result of mining the lower bench of the Middle Kittanning coal seam in the A-Panel at the Sago Mine, I.D. No. 46-08791, has been reviewed and is approved. This information will be included in your currently approved mine ventilation plan.

You are reminded that all changes or revisions to the mine ventilation plan, as specified in 30 CFR 75.370(d), must be submitted to and approved in writing by this office before they are implemented.

If you have any questions, please feel free to contact this office.

Sincerely,

Kevin G. Stricklin

Kevin G. Stricklin
District Manager

JHayes:aew

bcc:
Bridgeport F/O (2)
W. Ponceroff
E. Parrish
J. Hayes
Health Section
Map File
Main File

Anker West Virginina Mining Company

Rt.9 Box 507
Buckhannon, WV 26201

October 16, 2005

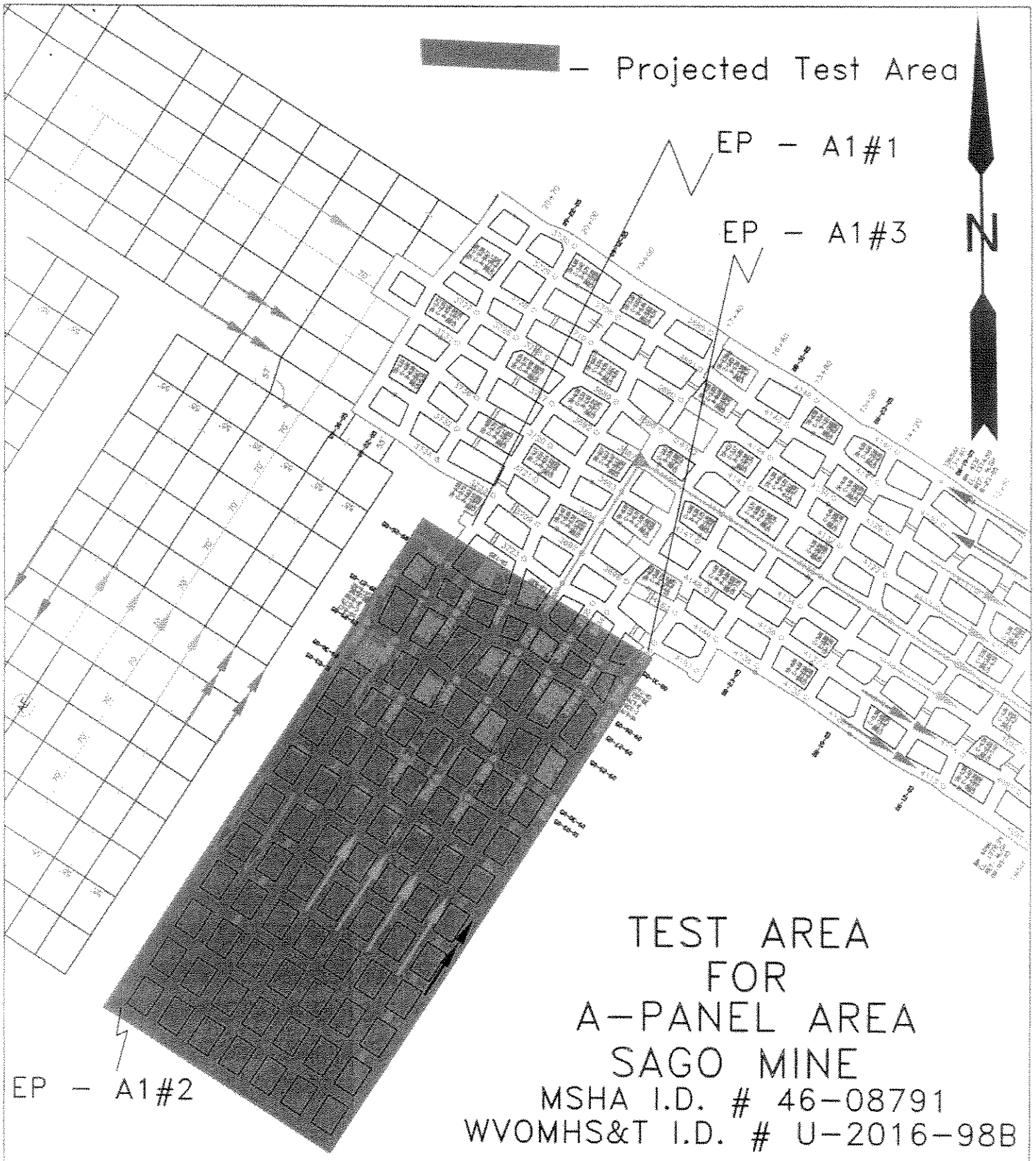
Kevin Stricklin, District Manager
C/O Department of Labor, Mine Health and Safety Administration
604 Cheat Road
Morgantown, WV 26508
Attn: [illegible]
Submittal #1.

Dear Mr. Stricklin:

The following correspondence is concerning the second mining of our Sago Mine, {M.S.H.A. identification number 46-08791 & State I.D. # U-2016-98A}. We wish to respectfully request that a Test Area be approved for the A-Panel area of the Sago Mine for second mining of the lower bench of the Middle Kittanning Seam for both the entries and cross-cuts alike .Refer to attachment labeled {Projected Test Area} which shows proposed ventilation circuits and evaluation points. For your information I have attached a detailed cut sequence map that will eliminate exposure of persons to heightened areas. A list of the safety precautions that have been successfully utilized in previously mined areas has been included that will be in effect during this application.

All previously approved submittals concerning this mining application will still be in effect for this mining application.

In closing, your prompt review and approval of this request will be greatly appreciated by this department. If you have any questions concerning this correspondence please feel free to contact me at 1-304-471-3442.



TEST AREA FOR A–PANEL AREA SAGO MINE

MSHA I.D. # 46–08791

WVOMHS&T I.D. # U–2016–98B

Sago Mine
MSHA I.D. Number 46-08791; WVOMHS&T ID No. U-2016-98B

Safety Provisions:
Note: The safety provisions listed below will be reviewed with all persons working in the affected area prior to commencing work and record there of made.

1. No person will be allowed inby the second mining area so as to eliminate exposure of persons to heightened coal ribs.
2. The shuttle car operator will be remain under the protective canopy at all times while inby the second mining area.
3. The Shuttle Car will be equipped with "Back Boards" so as to protect the operator from lateral material falls. (refer to the Attached Equipment Schematic).
4. All access points to raised areas created by second mining will be dangered off with yellow ribbon & or equivalent material. The ribbon will be affixed from rib to rib, and noted in the pre-shift/on-shift examination book.
5. Tests for methane gas will be conducted prior to cutting and loading of coal and every 20 minutes there after by remote means. This will be accomplished by utilizing a remote probe or by traveling inby on the upper level parallel and above the area to be mined.
6. In the event mining equipment becomes disabled the ribs will be supported prior to commencing repairs to said piece of equipment. All work will be conducted under the direct supervisions of a W.V. certified underground mine foreman.
7. Cable handling will be accomplished via remote means utilizing pull ropes and additional personnel if needed. At no time will persons go inby to accomplish this task unless the coal ribs are supported.
8. The lower level mining entries will not be wider that the upper level.
9. Persons will be withdrawn from the immediate area during second advance mining in the event of loose and or overhanging ribs are encountered.
10. Outby the line depicted as "A" on the attached map, additional rib/roof support will be added so as to provide additional roof support for the miner operator. This will be accomplished utilizing one of the methods shown below:
    a). We will position one of our twin-head roof bolter in a crosscut to a point where the ATRS support is set at the junction of the crosscut and entry. Once the ATRS is set the roof bolters operator's canopy, nearest the corner in which the miner operator is going to position himself to operate, will be swung towards the inby corner and rib area. In doing such, this will create a protected area whereby the miner operator can operate the continuous miner from. This support will remain in place until the miner operator has completed the cut and has safely positioned himself in the main entry away, outby from the intersection.
    b). Either 2, (two), Prop-setter supports or 2, (two) Lock-N-Load Supports will be installed on no more than 5, (five) foot centers, with screen meshing being attached on the inby side. These supports will be installed with wedges being driven from the outby portion of the support towards the inby corner or rib line. By installing these supports in this fashion in conjunction with a removal rope, these supports can be remotely removed by using a scoop to safely remove these devices. Once removed, the rope, which had been previously attached to the scoop can be pulled taught in order to remove these supports to the middle of the intersection where they can be safely recovered.

c). Either the top will be screened to cover an area approximately 4' X 12', and installed utilizing a minimum of 4, (four ft.)roof bolts.

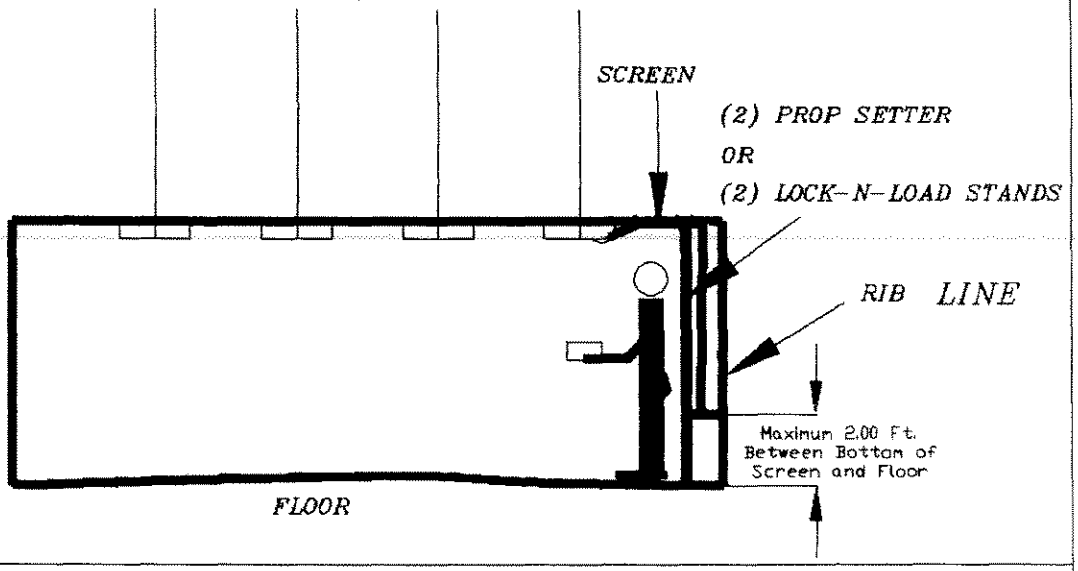
11. During the first cuts of Sequence #1, (See Diagram #1), the continuous miner operator can be positioned inby the corner of Sequence #1, provided the following measures have taken place:
    - Prior to starting the first cuts a screen must be attached to at least two roof bolts along the row of roof bolts located closest to the right hand rib. Attachment can be by means of running a cable hanger through the screen and connect it to the hanger loop in the roof bolt plate.
    - Once this is completed, either two Prop-Setter Supports or two Lock-N-Load supports will be installed as close as possible to the rib and underneath the screen. By installing these supports in this fashion the screen will be forced to the top, as well as towards the rib line.
    - After the above actions have been completed the continuous miner operator can be taking the first cuts from Sequence #1.

    - Removal of the screen and posts will occur as follows:
    - First the cable hooks will be unhooked from the roof bolt plates; then,
    - We will follow the removal action described in Item #10 above, with the exception that continuous miner may also be used to remotely remove the temporary supports.

DIAGRAM #1

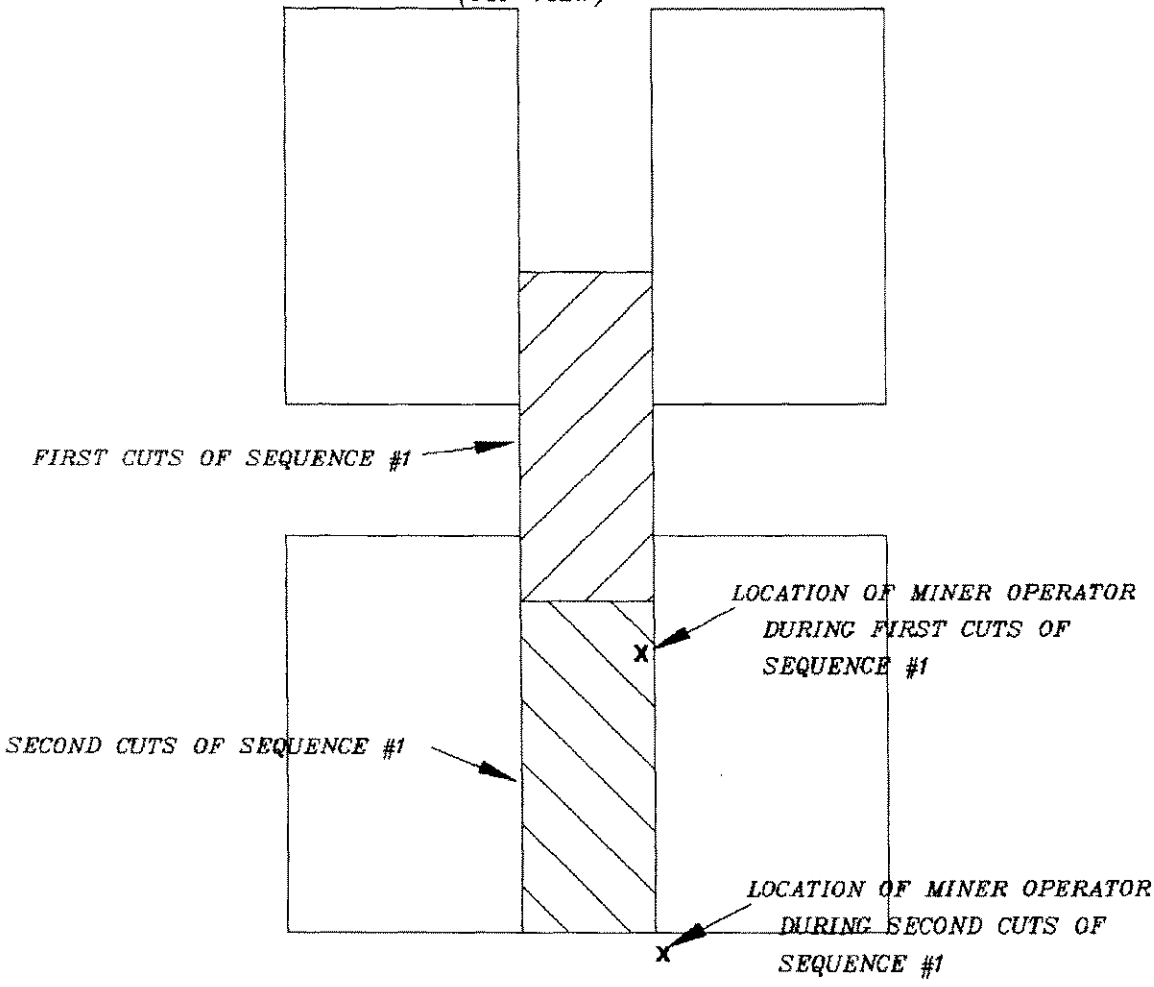
PROPOSED SCRREN AND POST LOCATION

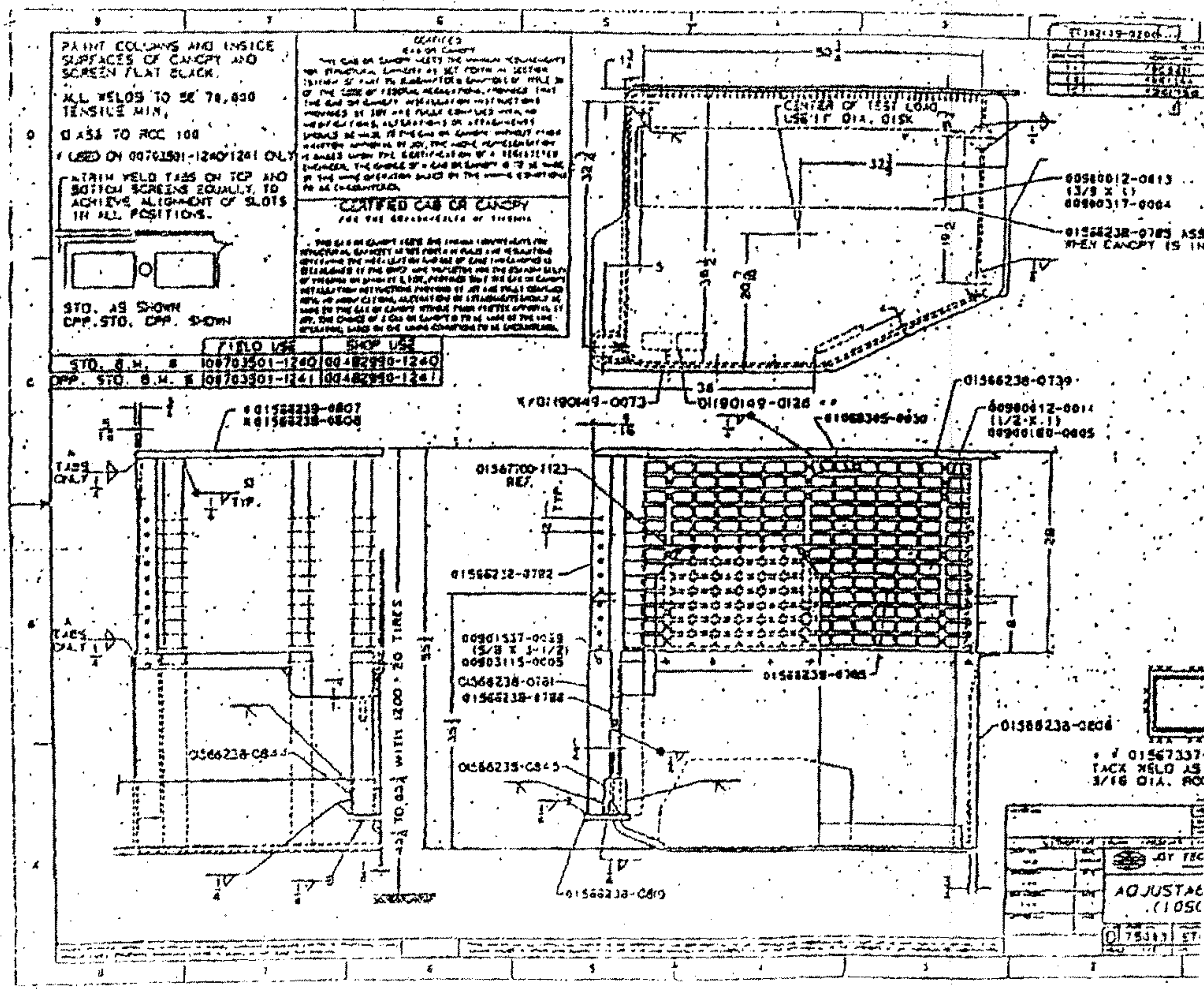
(SIDE VIEW)



PROPOSED MINER OPERATOR LOCATION

(TOP VIEW)

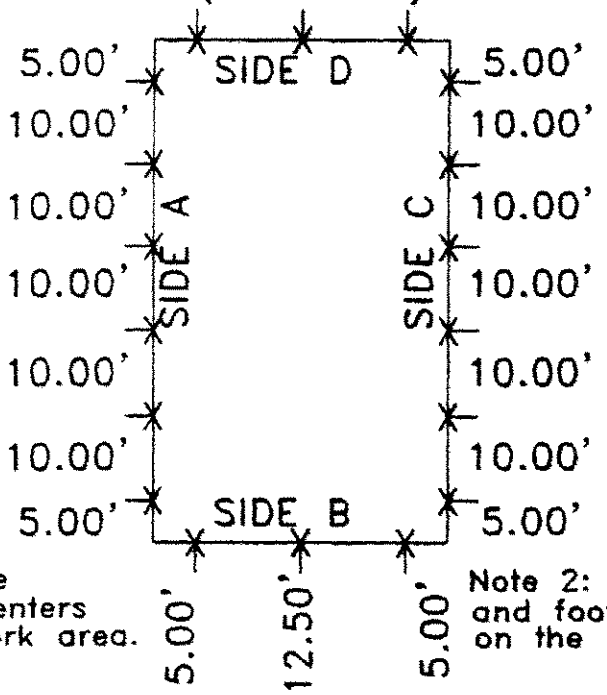



PAINT COLUMNS AND INSIDE SURFACES OF CANOPY AND SCREEN FLAT BLACK.
ALL WELDS TO BE 70,000 TENSILE MIN.
CLASS TO RCC 100
USED ON 00703501-1240/1241 ONLY
STRIM WELD TABS ON TOP AND BOTTOM SCREENS EQUALLY TO ACHIEVE ALIGNMENT OF SLOTS IN ALL POSITIONS.
STD. AS SHOWN
OPP. STD. OPP. SHOWN
CERTIFIED CAB OR CANOPY
FIELD USE
SHOP USE
STD. B.M.
00703501-1240
00482990-1240
OPP. STD. B.M.
00703501-1241
00482990-1241
CENTER OF TEST LOAD
USE 11" DIA. DISK
00980012-0813
(3/8 X 1)
00980317-0004
01566238-0785 ASSEM
WHEN CANOPY IS IN LO
01190149-0073
01190149-0126
01566238-0739
00980012-0014
(1/2 X 1)
00980180-0005
01567700-1123
REF.
01566232-0782
00901537-0039
(5/8 X 3-1/2)
00803115-0005
01566238-0781
01566238-0784
01566238-0845
01566238-0844
01566238-0810
01566238-0806
01566238-0785
01567337-
TACK WELD AS
3/16 DIA. ROD
TABS ONLY
TYP.
WITH 1200 X 20 TIRES
ADJUSTAB
JOY TEC

DRAWING NO. 3
TYPICAL CUT SEQUENCE
FOR SECOND DEVELOPMENT WORK
SAGO MINE

MSHA ID # 46-08791
WVOMHS&T # U-2016-98A

RIB STABILIZATION PLAN
STRATA PRODUCTS - LOCK-N-LOAD
(TOP VIEW)



Note 1: Posts will be installed on 4 Ft. Centers in the immediate work area.

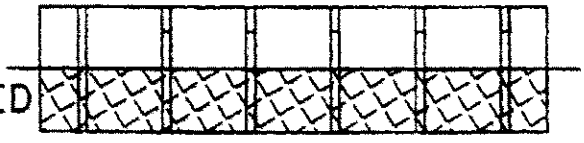
Note 2: Wooden Headers and footers willl be utilized on the Lock-N-Loads

X - Location of Lock-N-Load Support

SIDE VIEW OF SIDES A&C

CURRENT MINED AREA

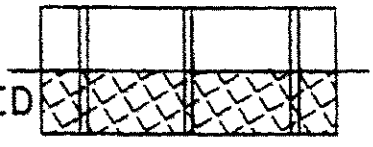
BOTTOM SPLIT TO BE MINED



SIDE VIEW OF SIDES B&D

CURRENT MINED AREA

BOTTOM SPLIT TO BE MINED



Note 3: Rib Supports will be left in place.

LIST OF PRODUCTS AND SERVICES AVAILABLE IN:

LOCK-N-LOAD

ADJUSTABLE SUPPORT

- Adjustable without any cutting of the timber and is available to fit mining heights from 3 feet to 16 feet (1m to 5m).
- Available in different lengths and capacities of either 5. 8 or 20 tons.
- Can be installed by one person and may be preloaded using the simple wrench that can be purchas unit. 2500 lbs(11kN) of preload can be applied.
- The Lock-N-Load™ can be removed and reused by releasing the clamps.
- The Lock-N-Load can be packaged with conventional cap blocks and header boards. In addition, various steel fittings are available to tie into steel or wooden beams.
- The Lock-N-Load can be applied in place of steel jacks, water props, or posts as either a temporary or permanent support. It can also be used as formwork for stoppings, seals, barricades and ventilation curtains.

T HEAD CHANI

For use in tying into a stee beam or stringe

Note: The non-yielding Lock-N-Load is not classified as a roof support unde. 30.

LOCK-N-LOAD SPECIFICATIONS
5 TON SUPPORT CAPACITY

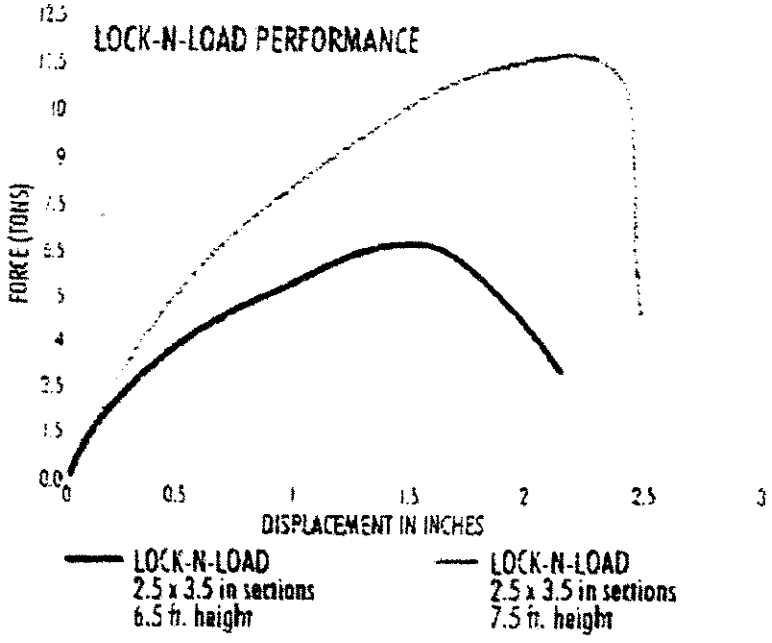
Part #	Closed Height	Open Height	Weight
Lock 5/3-5	3 ft.	5 ft.	19 lbs.
Lock 5/4-6	4 ft.	6 ft.	24 lbs.
Lock 5/5-7	5 ft.	7 ft.	28 lbs.
Lock 5/6-8	6 ft.	8 ft.	33 lbs.

LOCK-N-LOAD SPECIFICATIONS
8 TON SUPPORT CAPACITY

Part #	Closed Height	Open Height	Weight
Lock 8/3-5	3 ft.	5 ft.	26 lbs.
Lock 8/4-6	4 ft.	6 ft.	32 lbs.
Lock 8/5-7	5 ft.	7 ft.	39 lbs.
Lock 8/6-8	6 ft.	8 ft.	45 lbs.
Lock 8/7-9	7 ft.	9 ft.	52 lbs.
Lock 8/8-10	8 ft.	10 ft.	58 lbs.
Lock 8/10-12	10 ft.	12 ft.	71 lbs.

LOCK-N-LOAD SPECIFICATIONS
20 TON SUPPORT CAPACITY

Part #	Closed Height	Open Height	Weight
Lock 20/3-5	3 ft.	5 ft.	54 lbs.
Lock 20/4-6	4 ft.	6 ft.	67 lbs.
Lock 20/5-7	5 ft.	7 ft.	80 lbs.
Lock 20/6-8	6 ft.	8 ft.	93 lbs.
Lock 20/7-9	7 ft.	9 ft.	106 lbs.
Lock 20/8-10	8 ft.	10 ft.	118 lbs.
Lock 20/9-11	9 ft.	11 ft.	131 lbs.
Lock 20/10-12	10 ft.	12 ft.	144 lbs.



Download Adobe pdf file of Lock-N-Load product sheet.

U.S. Department of Labor

Mine Safety and Health Administration
604 Cheat Road
Morgantown, West Virginia 26508

UNDERGROUND MINE FILE	
DATE FWD.	10-19-5
INITIALS	aew

SENT TO AND/OR DISCUSSED WITH FIELD OFFICE:

SURNAME	DATE
Parrish/Kenney	10/5/2005

REVIEWED BY:

Parrish	10/12/2005
Hannon	10/14/05
Jones	10-17-05
Mosley	10-18-05

OCT 19 2005

Mr. Jeffrey K. Toler
Superintendent
Anker WV Mining Company, Inc.
Route 9, Box 507
Buckhannon, West Virginia 26201

Dear Mr. Toler:

The request filed September 30, 2005, for a ventilation change for North East Mains at the Sago Mine, I.D. No. 46-08791, has been reviewed. The information is adequate and approved. You are reminded that the ventilation change must be conducted in accordance with the provisions of 30 CFR 75.324.

Within ten days of the completion of the ventilation change, please submit to this office two mine maps showing the results of the ventilation change. The maps must include air quantities, air quality, direction of air, and ventilation controls within the affected area.

If you have any questions, please feel free to contact this office.

Sincerely,

Kevin G. Stricklin

Kevin G. Stricklin
District Manager

EParrish:aew

bcc:
Bridgeport F/O (2)
E. Parrish
Map File
Main File

Anker West Virginia Mining Company

Rt. 9 Box 507
Buckkannon, WV 26201

9-30-05

September 29, 2005

Kevin Stricklin, District Manager
Mine Health and Safety Administrtation
604 Cheat Road
Morgantown, WV 26508

Attn: [6]
RE: Sago Mine's Ventilation Plan Changes

Mr. Stricklin:

Anker West Virginia Mining Company wishes to submit two ventilation changes relative to our Sago Mine, MSHA ID # 46-08791.

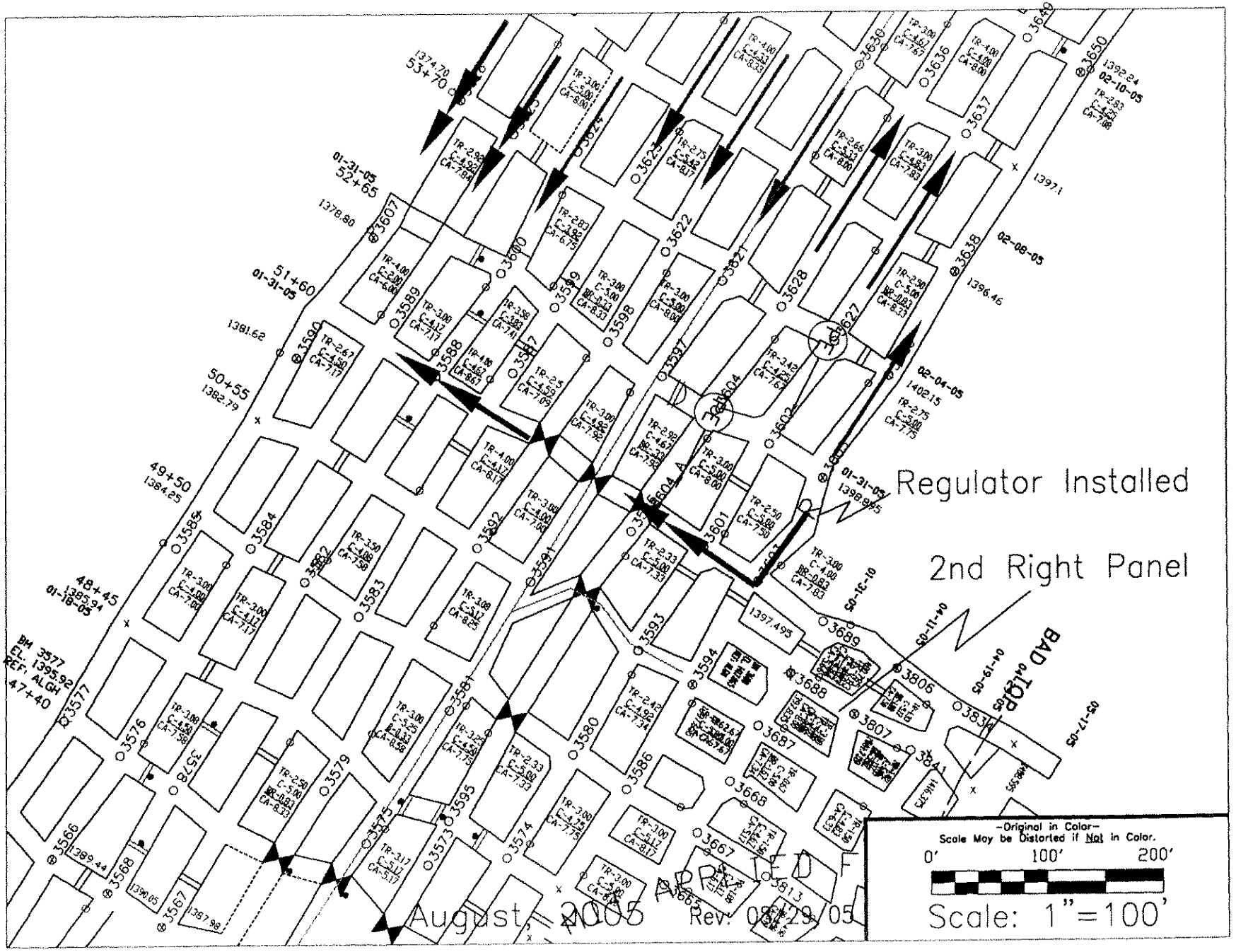
The first change involves a making a major ventilation change relative to the ventilation controls on our North East Mains. This particular change involves changing a current return air course into an intake air course. This will be accomplished by removing several of the former stoppings that were constructed to segregate the former intake and return air courses. Simultaneously with these activities we will also construct a regulator just inby from our 2nd Right Mains Area. This regulator is being constructed in order to force virtually all of the intake air inby towards the working units, with a only a small airflow being allowed to flow outby towards the return air flow coming off of the 2nd Right Mains Area. We are currently planning to start on this activity once the 2nd Left Mains completes their 2nd Development Activities, (Bottom Split Mining). (SEE ATTACHED MAP). Note: Due to the fact that there were five (5) neck-ends taken into the rib of the former return entry, which measure greater than 20 feet in depth, we will construct permanent ventilation controls, (stoppings), to divert the air to within 20 feet of these faces. These cuts are depicted on the attached map, (Cut Numbers 3,5,8,9 and 10).

The second change involves the construction of mine seals. The mine seals that are being proposed will be constructed across our North East Mains, just inby the area that will be the future location of the 2nd Mains Unit. The proposed seals will be constructed across the North East Mains area in such a manner that the No. 2 seals will be constructed first, with seal numbers 1 and 9 be constructed simultaneously. The seals be proposed will be constructed either utilizing our currently approved methodology, (Packsetter Seals), ~~or by the using the attached methodology which we wish to add to our Ventilation Plan, (Omega Concrete Block Seals. (See Attached Omega Seal Plan)~~. Removed as per J. Myers 10/6/2005 (GE)

If you have any questions on this matter, please feel free to contact me at 304-471-3300.

Sincerely,

Al Schoonover
For Safety Director


Regulator Installed
2nd Right Panel
BAD LOPS
-Original in Color-
Scale May be Distorted if Not in Color.
0'
100'
200'
Scale: 1"=100'
August, 2006
Rev. 08/29/05

U.S. Department of Labor

Mine Safety and Health Administration
604 Cheat Road
Morgantown, West Virginia 26508

UNDERGROUND MINE FILE	
DATE FWD:	10-4-05
INITIALS	

OCT 4 2005

SENT TO AND/OR DISCUSSED WITH FIELD OFFICE:

SURNAME	DATE
Hayes/Satterfield	10/4/05

REVIEWED BY:

Hayes	10/4/05
Hayes for TCN	10/4/5
[illegible]	10-4-05
C. Mosley	10-4-05

Mr. Jeffrey K. Toler
Superintendent
Anker West Virginia Mining Company, Inc.
Route 9, Box 507
Buckhannon, West Virginia 26201

Dear Mr. Toler:

The request filed October 4, 2005, to extend the test area as shown on the accompanying map for the ventilation and evaluation of the worked-out area as a result of additional mining of the lower bench of the Middle Kittanning seam of the 2nd Left Mains at the Sago Mine, I.D. No. 46-08791, has been reviewed and is approved. This information will be included in your currently approved mine ventilation plan.

You are reminded that all changes or revisions to the mine ventilation plan, as specified in 30 CFR 75.370 (d), must be submitted to and approved in writing by this office before they are implemented.

If you have any questions, please feel free to contact this office.

Sincerely,

Kevin G. Stricklin

Kevin G. Stricklin
District Manager

JHayes:si

bcc:
Bridgeport Field Office (2)
W. Ponceroff
J. Hayes
Map File
Main File

Anker West Virginia Mining Company

Rt.9 Box 507
Buckhannon, WV 26201

pw 10-4-05

October 3, 2005

Kevin Stricklin, District Manager
C/O Department of Labor, Mine Health and Safety Administration
604 Cheat Road
Morgantown, WV 26508
Attn: [6]

Submittal # 3.

Dear Mr. Stricklin:

Anker West Virginia Mining Company wishes to amend our September 27, 2005 submittal which allowed our Sago Mine, (MSHA ID # 46-08791), and more specifically our 2nd Left Mains unit, to mine the lower bench of the Middle Kittanning Seam. We wish to modify this plan to allow for additional mining in this area. This additional area is shown on the attached map, and displayed and denoted with hatching.

It should be noted that we will comply with all details and information complied in the September 27, 2005 submittal. It should also be noted that we have moved both the intake, as well as the return monitoring points, EP-2N#1 and EP-2N#3 outby so as to cover the additional area we plan to add.

If you have any questions concerning this correspondence please feel free to contact me at 1-304-471-3300.

Sincerely,

James Al Schoonover

Al Schoonover
Safety Director

Sago Mine
MSHA I.D. Number 46-08791; WVOMHS&T ID No. U-2016-98A

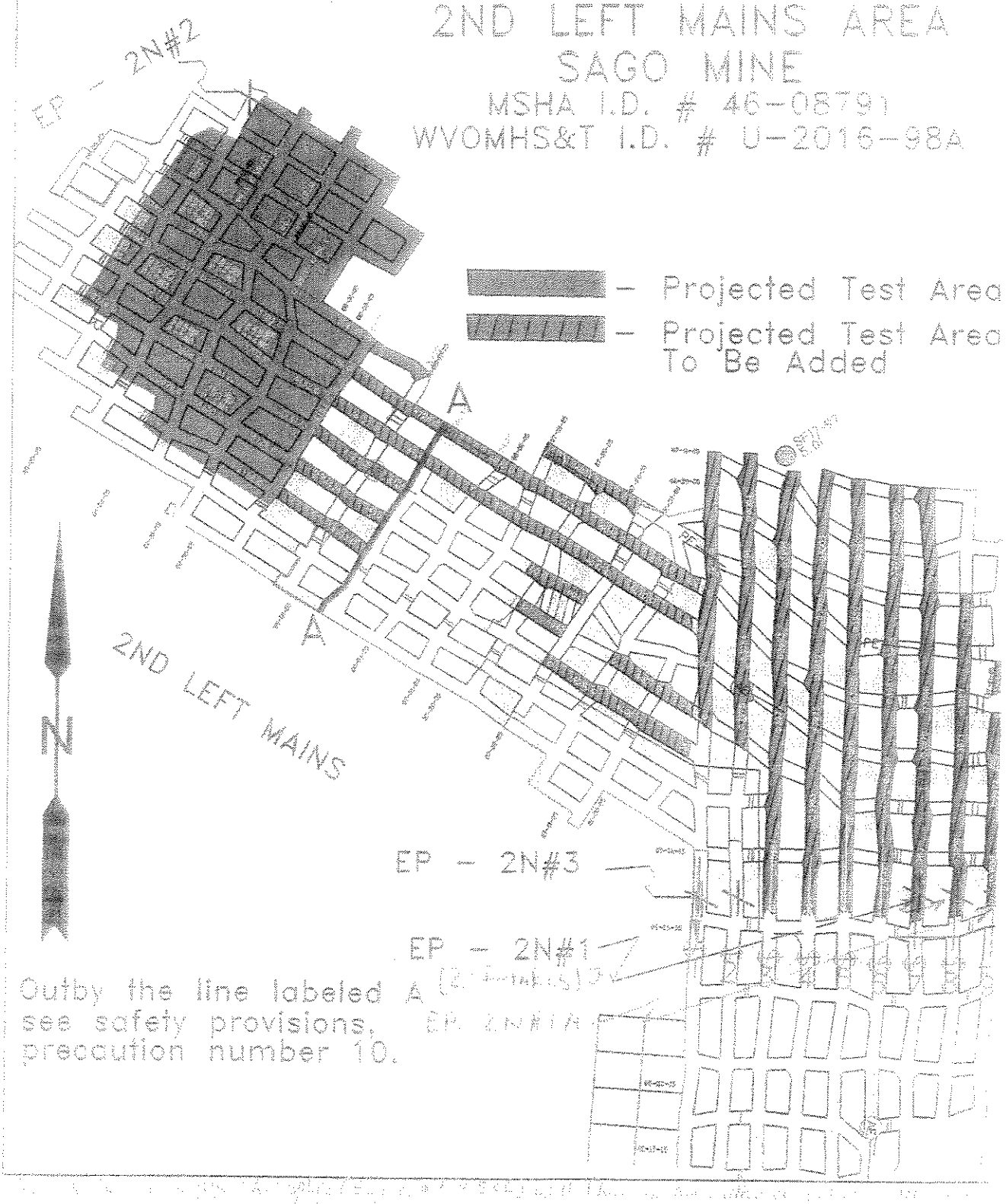
Safety Provisions:
Note: The safety provisions listed below will be reviewed with all persons working in the affected area prior to commencing work and record there of made.

1. No person will be allowed inby the second mining area so as to eliminate exposure of persons to heightened coal ribs.
2. The shuttle car operator will be remain under the protective canopy at all times while inby the second mining area.
3. The Shuttle Car will be equipped with "Back Boards" so as to protect the operator from lateral material falls. (refer to the Attached Equipment Schematic).
4. All access points to raised areas created by second mining will be dangered off with yellow ribbon & or equivalent material. The ribbon will be affixed from rib to rib, and noted in the pre-shift/on-shift examination book.
5. Tests for methane gas will be conducted prior to cutting and loading of coal and every 20 minutes there after by remote means. This will be accomplished by utilizing a remote probe or by traveling inby on the upper level parallel and above the area to be mined.
6. In the event mining equipment becomes disabled the ribs will be supported prior to commencing repairs to said piece of equipment. All work will be conducted under the direct supervisions of a W.V. certified underground mine foreman.
7. Cable handling will be accomplished via remote means utilizing pull ropes and additional personnel if needed. At no time will persons go inby to accomplish this task unless the coal ribs are supported.
8. The lower level mining entries will not be wider that the upper level.
9. Persons will be withdrawn from the immediate area during second advance mining in the event of loose and or overhanging ribs are encountered.
10. Outby the line depicted as "A" on the attached map, additional rib/roof support will be added so as to provide additional roof support for the miner operator. This will be accomplished utilizing one of the methods shown below:
    a). We will position one of our twin-head roof bolter in a crosscut to a point where the ATRS support is set at the junction of the crosscut and entry. Once the ATRS is set the roof bolters operator's canopy, nearest the corner in which the miner operator is going to position himself to operate, will be swung towards the inby corner and rib area. In doing such, this will create a protected area whereby the miner operator can operate the continuous miner from. This support will remain in place until the miner operator has completed the cut and has safely positioned himself in the main entry away, outby from the intersection.
    b). Either 2, (two), Prop-setter supports or 2, (two) Lock-N-Load Supports will be installed on 5, (five) foot centers, with screen meshing being attached on the inby side. These supports will be installed with wedges being driven from the outby portion of the support towards the inby corner or rib line. By installing these supports in this fashion in conjunction with a removal rope, these supports can be remotely removed by using a scoop to safely remove these devices. Once removed, the rope, which had been previously attached to the sccop can be pulled taught in order to remove these supports to the middle of the intersection where they can be safely recovered.

c). Either the top will be screened to cover an area approximately 4' X 12', and installed utilizing 4, (four) roof bolts.

TEST AREA FOR 2ND LEFT MAINS AREA SAGO MINE

MSHA I.D. # 46-08791
WVOMHS&T I.D. # U-2016-98A



Outby the line labeled A see safety provisions, precaution number 10.

U.S. Department of Labor

Mine Safety and Health Administration
604 Cheat Road
Morgantown, West Virginia 26508

SENT TO AND/OR DISCUSSED WITH FIELD OFFICE:	
SURNAME	DATE
[illegible]/TOWNEY	9/26/05
REVIEWED BY:	
[illegible]	9/26/05
JAMES	9-28-05
Mosley	9-28-05

[illegible]	9-29-5
[illegible]	aew

SEP 2 8 2005

Mr. Jeffrey K. Toler
Superintendent
Anker WV Mining Company, Inc.
Route 9, Box 507
Buckhannon, West Virginia 26201

Dear Mr. Toler:

The request filed September 28, 2005, for a test area as shown on the accompanying map for the ventilation and evaluation of the worked-out area as a result of mining the lower bench of the Middle Kittanning seam of the 2nd Left Mains at the Sago Mine, I.D. No. 46-08791, has been reviewed and is approved. This information will be included in your currently approved mine ventilation plan.

You are reminded that all changes or revisions to the mine ventilation plan, as specified in 30 CFR 75.370(d), must be submitted to and approved in writing by this office before they are implemented.

If you have any questions, please feel free to contact this office.

Sincerely,

Kevin G. Stricklin

Kevin G. Stricklin
District Manager

EParrish:aew

bcc:
Bridgeport F/O (2)
W. Ponceroff
E. Parrish
Health Section
Map File
Main File

Anker West Virginina Mining Company

Rt.9 Box 507
Buckhannon, WV 26201

September 28, 2005

Kevin Stricklin, District Manager
C/O Department of Labor, Mine Health and Safety Administration
604 Cheat Road
Morgantown, WV 26508
Attn: L 6 J
Submittal # 2a-2vent/Final.

Dear Mr. Stricklin:

The following correspondence is concerning amending our Sago Mines, {M.S.H.A. identification number 46-08791} approved ventilation control plan.

These proposed amendments will allow recovery of additional resources, in that the lower bench of the Middle Kittanning seam that is being proposed to be mined. This mining application will apply to the lower coal seam of the 2nd Left Mains at the Sago Mine, I.D.No.46-08791. Please refer the attached drawing (Number 1 Proposed Typical Ventilation Plan), which depicts the proposed ventilation plans for ventilating the area to be mined during the bottom split advancement. We also this time wish to utilize an evaluation point so as not to expose examiners to undue hazards of raised areas and heightened coal ribs. Be advised that we wish to respectfully submit for your review and subsequent approval a bleeder system for a non-pillared worked out area "Please refer to Evaluation Point Designation Plan "so as not to expose examiners to undue hazards of raised areas and heightened coal ribs.

In addition , this amendment will include the "Inactive Bleeder Systems and Non-Pillared Worked Out Areas" of the current approved ventilation control plan .The examiner will place his initials and date at the evaluation point and record the results in a book located outside for that purpose.

It should noted that the proposed evaluation system is to be used only for a brief period of time as we plan to seal this area following the completion of the bottom split mining.

Please refer to the attached list of "Safety Provisions" that will address in detail safe work procedures for this mining process.

In closing, your prompt review and approval of this proposed amendment will be greatly appreciated. If you have any questions concerning this correspondence please feel free to contact me at 1-304-471-3400.

Sincerely,

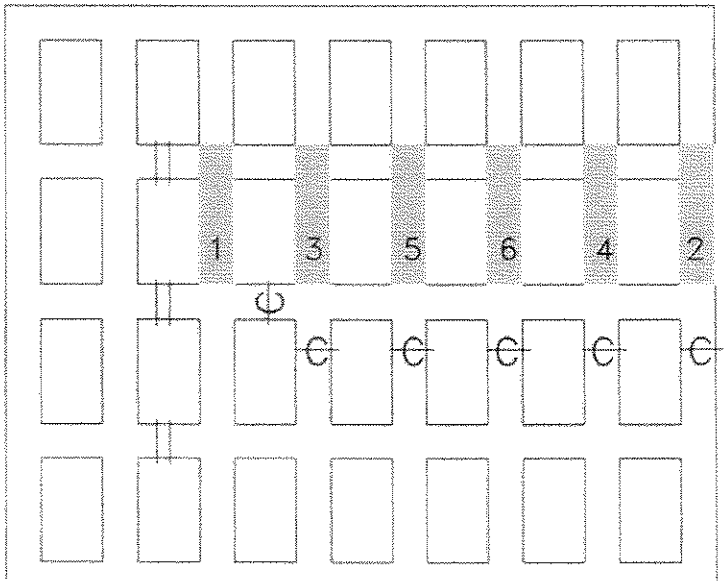
Al Schoonover

Safety Director

DRAWING NO. 1
PROPOSED TYPICAL VENTILATION PLAN FOR BOTTOM SPLIT MINING

SAGO MINE

MSHA ID # 46-08791
WVOMHS&T # U-2016-98A



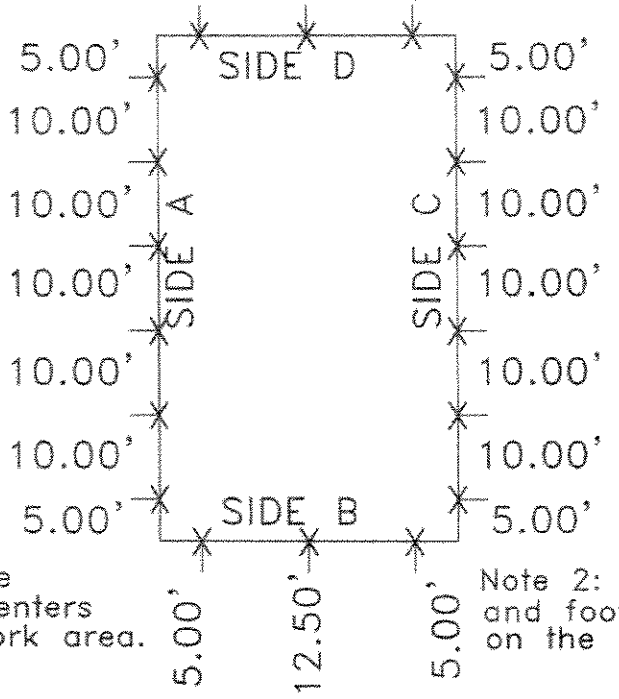
Note: This cycle may be repeated, as well as altered due to mining conditions.

DRAWING NO. 3
TYPICAL CUT SEQUENCE
FOR SECOND DEVELOPMENT WORK
SAGO MINE

MSHA ID # 46-08791

WVOMHS&T # U-2016-98A

RIB STABILIZATION PLAN
STRATA PRODUCTS - LOCK-N-LOAD
(TOP VIEW)



Note 1: Posts will be installed on 4 Ft. Centers in the immediate work area.

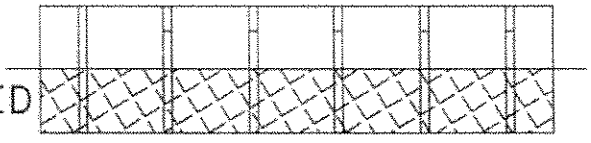
Note 2: Wooden Headers and footers willl be utilized on the Lock-N-Loads

X - Location of Lock-N-Load Support

SIDE VIEW OF SIDES A&C

CURRENT MINED AREA

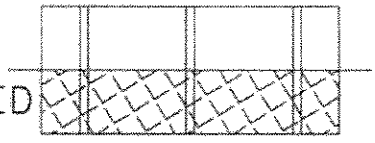
BOTTOM SPLIT TO BE MINED



SIDE VIEW OF SIDES B&D

CURRENT MINED AREA

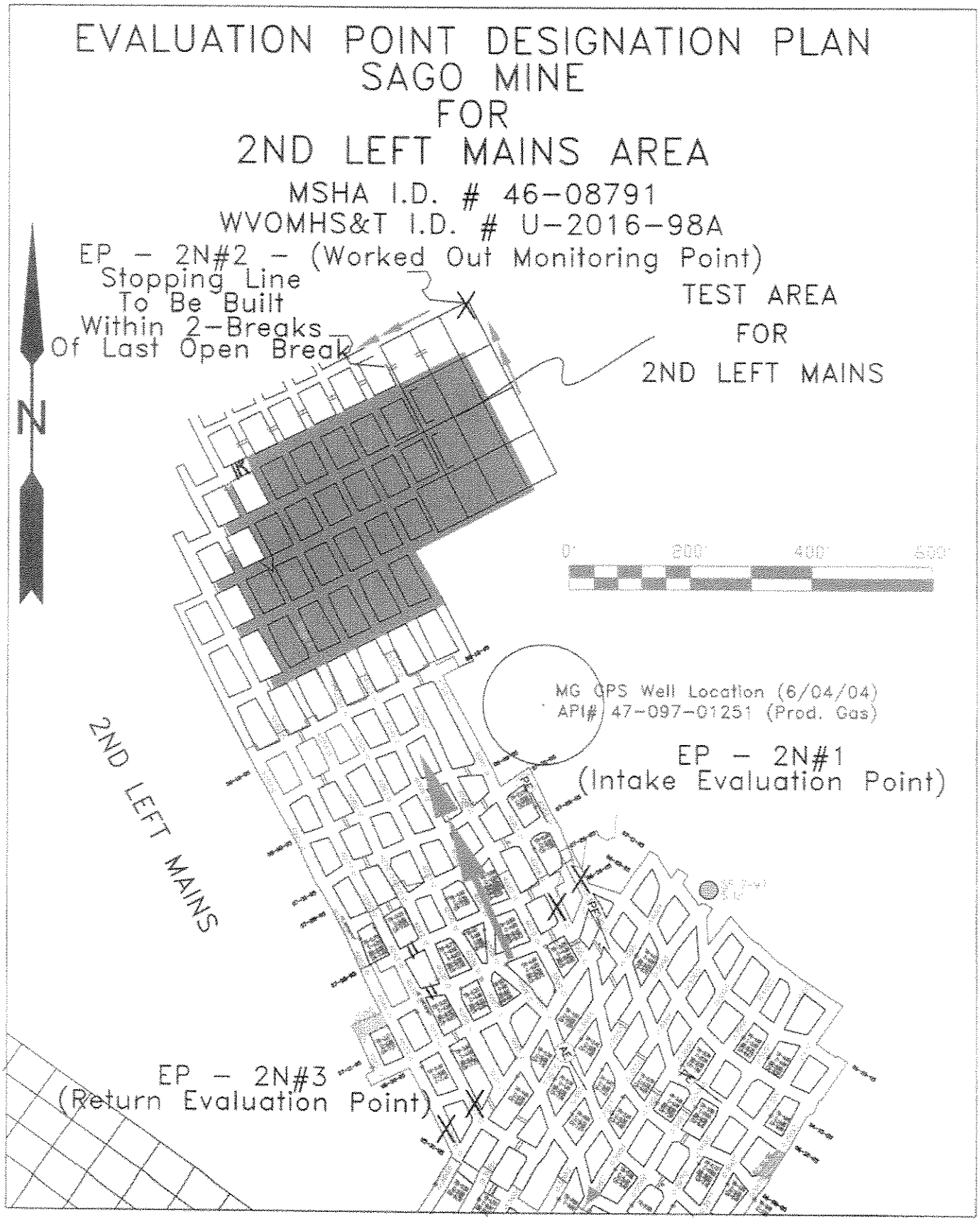
BOTTOM SPLIT TO BE MINED



Note 3: Rib Supports will be left in place.

EVALUATION POINT DESIGNATION PLAN
SAGO MINE
FOR
2ND LEFT MAINS AREA

MSHA I.D. # 46-08791
WVOMHS&T I.D. # U-2016-98A



Bleeder System

A description of the future bleeder system to be used is shown on the mine ventilation map submitted in accordance with 30 CFR § 75.372. The description includes; the bleeder system design, the location of the evaluation points for measurement of methane and oxygen concentrations and for test air quantity and direction, and the location of ventilation devices such as regulators, stoppings, and bleeder connectors used to control air movement through worked out areas.

Active Bleeder Systems:
Certified personnel designated by the operator will travel to the location of evaluation points and measuring points. Bleeder entries will be examined by traveling to the point of furthest penetration from the B.E.P. to check the quality of air. These travels will be made at least every seven days to determine the effectiveness of the bleeder system. The examinations will consist of measurements for methane, oxygen deficiency, air quality and a determination whether the air is flowing in the proper direction. At each underground monitoring point location the name of the monitoring point as well as the direction of the airflow will be identified. The examiner will place his initials and date at the evaluation point and record the results in a book located outside for the purpose. The examiner will notify the Shift or General Foreman immediately of significant changes (reversal of air flow direction, changes of more than 25% in the quantity of air, or more than 1% change in the content of methane or oxygen). If warranted, the Shift or General Mine Foreman will make an investigation into the cause of the changes and take action to correct any hazardous conditions found. This action will be recorded in the appropriate book on the surface.

Bleeder entries will be maintained free of obstructions through the use of: posts and cribs, to control the roof; and through ditches and/or dewatering pumps, to control water.

Prior to intersecting accessible areas such as bleeder entries or other splits of air, precautions will be taken to avoid adversely affecting the mine ventilation such as building stoppings, hanging check curtains, building and/or adjusting regulators.

Inactive Bleeder Systems and Non-Pillared Worked Out Areas:
Certified personnel designated by the operator will travel the perimeter of non-pillared worked out areas at least every seven days, examining for methane, oxygen deficiency, air quantity, air flowing in the proper direction, and hazardous conditions. These measurements shall be made at approved evaluation points and/or measurement point locations. The examiner will place his initials and date at the evaluation point and record the results in a book located outside for the purpose. All approved evaluation point and/or measurement point locations, shall, at all times, be maintained in a safe condition. Any hazardous condition will be recorded in a book located outside for that purpose.

For the purpose of ventilation of structures, area or installations that are required to be ventilated to return air courses, and for ventilation of seals, other air courses designated as return air courses are shown on the mine ventilation map submitted in accordance with 30CFR 75.372.

The location, if different from that submitted on the mine ventilation map, and sequence of construction of proposed seals will be submitted to the District Manager and approved prior to the construction of seals.

Sago Mine I.D. Number 46-08791

Safety Provisions:

Note: The safety provisions listed below will be reviewed with all persons working in the affected area prior to commencing work and record there of made.

1. **No person will be allowed inby the second mining area so as to eliminate exposure of persons to heightened coal ribs.**
2. **The Shuttle car operator will remain under the protective canopy at all times while inby the second mining area.**
3. **The Shuttle cars will be equipped with "Back Boards" so as to protect the operator from lateral material falls. (Refer to the Attached Equipment Schematic)** See roof control plan JM
4. **All access points to raised areas created by second mining will be dangered off with yellow ribbon & or equivalent marterial.The ribbon will be affixed from rib to rib. and noted in the pre-shift /on-shift examination book.**
5. **Tests for methane gas will be conducted prior to the cutting and loading of coal and every 20 minutes there after by remote means. This may be accomplished by utilizing a remote probe or by traveling inby on the upper level parallel and above the area to be mined.**
6. **In the event mining equipment becomes disabled the ribs will be supported prior to commencing repairs to said piece of equipment. All work will be conducted under the direct supervision of a W.V. certified underground mine foreman.**
7. **Cable handling will be accomplished via remote means utilizing pull ropes and additional personnel if needed. At no time will persons go inby to accomplish this task unless the coal ribs are supported.**
8. **The lower level mining entries will not be wider than the upper level.**

U.S. Department of Labor

Mine Safety and Health Administration
604 Cheat Road
Morgantown, West Virginia 26508

UNDERGROUND MINE FILE
DATE FWD: 8-11-5
INITIALS: aew

SENT TO AND/OR DISCUSSED WITH FIELD OFFICE:

SURNAME	DATE
Parrish/Satterfield	8/2/2005

REVIEWED BY:

Parrish	8/8/2005
Hanson	8/9/05
[illegible]	08 AUG 05
Stemen	8-8-05
Mosley	8-8-05

AUG 10 2005

Mr. John B. Stemple, Jr.
Superintendent
Anker WV Mining Company, Inc.
Route 9, Box 507
Buckhannon, West Virginia 26201

Dear Mr. Stemple:

The request filed July 1, 2005, to revise Page 5b and change Pages 10 and 14 to include the face ventilation parameters for the Joy 14CM15 continuous-mining machine (005-0) at the Sago Mine, I.D. No. 46-08791, has been reviewed. The information is adequate and approved. This information will be included in your currently approved mine ventilation plan.

You are reminded that all changes or revisions to the mine ventilation plan, as specified in 30 CFR 75.370(d), must be submitted to and approved in writing by this office before they are implemented.

If you have any questions, please feel free to contact this office.

Sincerely,

ORIGINAL SIGNED BY
WILLIAM E. PONCEROFF

Kevin G. Stricklin
District Manager

EParrish:aew

bcc:
Bridgeport F/O (2)
W. Ponceroff
E. Parrish
Health Section
Map File
~~Main~~ File

Anker WV Mining Co. Inc.
Sago Mine
RT. 9 Box 507
Buckhannon, WV 26201
304-473-1676

Mr. Kevin G. Stricklin
Mine Safety Health Administration
604 Cheat Road
Morgantown, WV 26508

June 26, 2005

Dear Mr. Stricklin,

Anker West Virginia Mining Company, Inc., Sago Mine, MSHA I.D. 46-08791 is submitting for your review and approval the inclusion of Page 5b, and changes to pages 10 and 14 to our current approved Ventilation Plan. These changes reflect the addition of the 005-0miner at the Sago Mine.

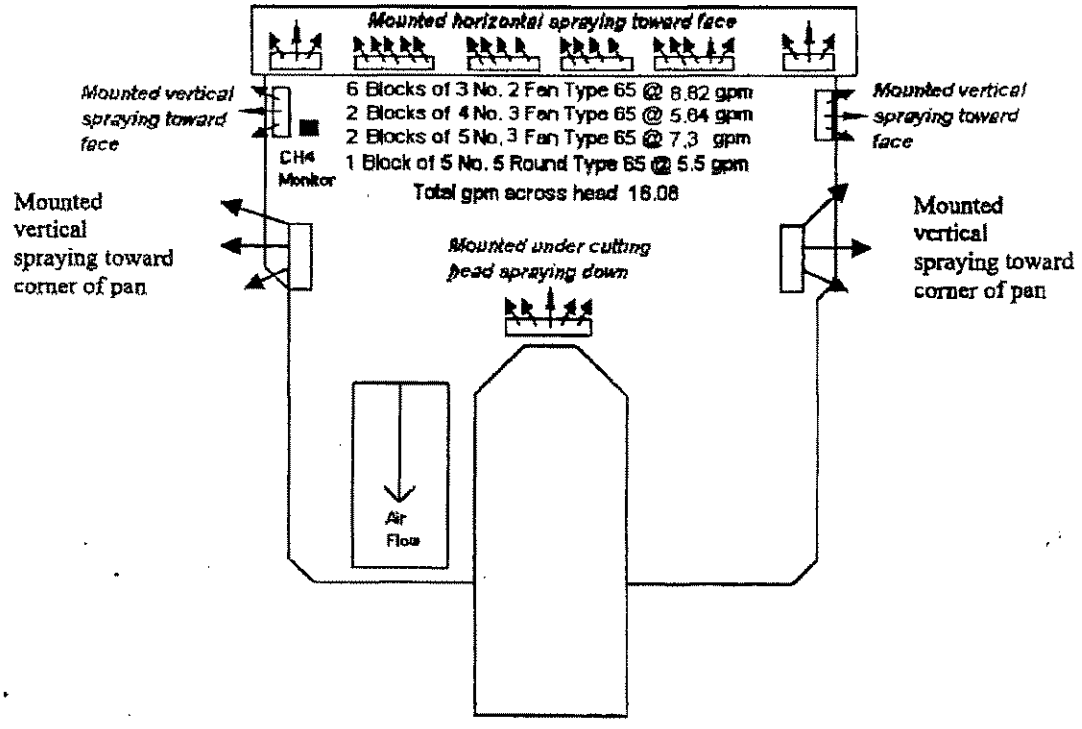
Thanks,

James A. Schoonover

James A. Schoonover
Safety Dept.

Face Areas

MMU 005-0
Type of Miner: Joy 14CM15.
__X__ Advance and/or _X__ Retreat
Quantity of air: Min. 6000 CFM – Max. 9000 CFM at the line curtain with scrubber on.
Total No. Of Sprays: 41 - Minimum water pressure: 60 psi with scrubber turned on.
Minimum No. of working sprays: 37 (90% of total)
At least 50% of the sprays in each block will be working.
Minimum Gallons per minute: 27.46 @ 60 psi
Distance from inby end of the ventilation device to point of deepest penetration: 40 ft. with blowing ventilation
Type of ventilation Device: Line Curtain
Minimum 6000 CFM at the end of the line curtain with scrubber off and miner in place. Mirror image applies.
USE WITHOUT SCRUBBER – Distance from inby end of the ventilation device to point of deepest penetration: 20 feet with exhaust ventilation.



Before moving energized equipment into a working place and on twenty minute intervals thereafter, a methane check at the face will be conducted utilizing one of the following methods; hand held extendible probe, wheeled cart or miner held methane detector (to be done on off curtain side).

40-Foot Cut Plan

Face area - Dust Suppression using a wet-bed scrubber system and miner operated by remote control.

1. When mining entry straights and cross-cuts, the continuous miner will cut the curtain side first, the first and second runs will not exceed 20 feet in depth and the deepest penetration not to exceed 40 feet from the last row of roof bolts. All sump cuts will be started on the brattice side to optimize airflow distribution. Line brattice will be maintained to within 40 feet of the deepest penetration of the face where coal is being extracted. When mining, line curtain will be installed so as to direct the airflow toward the working face.

2. When mining cross-cuts, the mining direction will typically be from intake to return. Entry straights will be mined sufficiently inby the right edge of all cross-cuts so that the line curtain can be installed to direct the air flow towards the face being mined. The miner may be used to push the coal into an adjacent entry to permit bolting from that side.

3. The efficiency of the scrubber system will be monitored by using a magnehelic gage and pitot tube to conduct a center line reading of the scrubber duct work once at the start of each shift to ensure the scrubber is pulling at least the minimum required amount of air. Velocity readings for the following MMU's indicate that the corresponding magnehelic reading is near 6,000 CFM:

MMU	Inches of Water
001-0	0.7
002-0	0.7
003-0	1.0
004-0	0.7
005-0	0.7

The filter screen will be cleaned after 40 feet of coal has been extracted or after each cut. A weekly full traverse pitot tube reading will be recorded to ensure the efficiency of the scrubber system. When changes are made to the scrubber, a full traverse pitot tube reading will be taken to determine the required 6,000 CFM operating point.

4. Line curtains and any back-up checks used to direct air to the face for mining/cutting or bolting which would adversely affect the air at the face will not be run through by the shuttle cars.

5. During roof bolting operations line curtain will be used, and the curtain maintained to the second full row of bolts from the face and will be advanced until the curtain is within 10 feet of the face. A minimum airflow of 3,500 CFM is required while the bolter is in operation.

JOY 14CM15 With Remote Control
Scrubber Specifications

MMU 001-0, 002-0, 004-0, 005-0

A. Duct
1. Cross-sectional area in the duct where the Pitot tube reading is taken – 2.3 Sq. Ft.
2. Cleanouts – One (1) Filter Screen door, Three (3) in center boom duct, One (1) hinge area between cutter boom duct and chassis duct.

B. Scrubber Components
1. Screen – Wire Mesh Type, 2.6 sq. ft. opening angled at 45 degrees from vertical.
2. Mist eliminator – 3.67 sq. ft. air flow area.
3. Spray (filter) – one (1) wide angle, 121 degree, 15/64" orifice diameter, 6.4 GPM @ 45 PSI. The sprays will be on at all times when the scrubber is in operation.
4. Jet Pump – 1" size (13.7 GPM suction @ 60 PSI).
5. Pressure Reducing Valves – One for jet pump and one for sprays.

C. Fan – 30 HP., Single Impeller Axi-vane, 21" Impeller Dia.

D. Discharge Deflector – Airflow directed towards rib.

Scrubber Maintenance Schedule
Joy 14CM15

1. Scrubber will be maintained in accordance with manufacturer's specifications.

2. The filter screen will be cleaned after each 40 feet of coal has been extracted or after each cut. To clean the filter screen first, remove scrubber screen and tap out coal particles. Wash the screen with water, in the opposite direction of the air flow and place screen with water in the opposite direction of the air flow and place screen back into position.

3. Scrubber inlet duct work will be flushed out using access covers once in a normal production shift. Scrubber screen filter must be in place or particles will be washed into the scrubber sump.

4. Back flush and drain the mist eliminator and scrubber sump daily.

5. The fan motor will be greased at least once every 60 shifts with BG-Y lubricant for Joy Miners.

6. Each week back flush and drain the Ventura and sump of the Joy Miner per the following instructions:
   Close the shut-off valve to the system discharge line. Start the pump motor and start the fan I
   n the MANUAL mode. Allow the fan to run for 15 seconds,
   then shut the fan and pump motor off. Open the shut-off valve for the sump drain line. When the sump has drained, close the sump drain and open the system discharge line valve.

U.S. Department of Labor

Mine Safety and Health Administration
604 Cheat Road
Morgantown, West Virginia 26508

SENT TO AND/OR DISCUSSED WITH FIELD OFFICE:

SURNAME	DATE
Parrish/Satterfield	7/11/2005

REVIEWED BY:

Parrish	7/12/2005
[illegible]	7/13/05
Sames	7-13-05
Mosley	7-14-05

UNDERGROUND MINE FILE
DATE FILED 7-18-5
INITIALS aew

JUL 1 8 2005

Mr. John B. Stemple, Jr.
Superintendent
Anker WV Mining Company, Inc.
Route 9, Box 507
Buckhannon, West Virginia 26201

Dear Mr. Stemple:

The request filed June 30, 2005, for a ventilation change in the 1 Right panel at the Sago Mine, I.D. No. 46-08791, has been reviewed. The information is adequate and approved. You are reminded that this ventilation change must be conducted in accordance with 30 CFR 75.324.

Within ten days of the completion of the ventilation change, please submit to this office two mine maps showing the results of the ventilation change. The maps must include air quantities, air quality, direction of air, and ventilation controls within the affected area.

If you have any questions, please feel free to contact this office.

Sincerely,

Kevin G. Stricklin

Kevin G. Stricklin
District Manager

EParrish:aew

bcc:
Bridgeport F/O (2)
E. Parrish
Map File
~~Main~~ File

ANKER WEST VIRGINIA MINING COMPANY INC.
Sago Mine
Rt. 9 Box 507
Buckhannon, WV 26201
Phone 304-473-1676
Fax Phone 304-473-1677

6-30-05

June 30, 2005

Mr. Kevin G. Stricklin, District Manager
Mine Safety Health Administration
604 Cheat Rd.
Morgantown, WV 26508

Dear Mr. Stricklin:

Anker West Virginia Mining Company, Inc. Sago Mine MSHA I.D. 46-08791 is submitting a ventilation request to make an air change in the 1st Right panel ventilation, as shown on the enclosed map.

Should you have any questions concerning this matter please call me at the number above.

Sincerely,

John B. Stemple Jr.
Superintendent

U.S. Department of Labor

Mine Safety and Health Administration
604 Cheat Road
Morgantown, West Virginia 26508

UNDERGROUND MINE FILE	
DATE FWD	6-7-5
INITIALS	aew

SENT TO AND/OR DISCUSSED WITH FIELD OFFICE:

SURNAME	DATE
	24. MAY 05

REVIEWED BY:

for J. Brady	24. MAY 05
	24 MAY 05
	5-25-05
	6/1/05
	5-25-05

JUN - 7 2005

Mr. John M. Garrett
Superintendent
Anker West Virginia Mining Company, Inc.
Route 9, Box 507
Buckhannon, West Virginia 26201

Dear Mr. Garrett:

The request filed May 9, 2005, for the approval and inclusion of page 5a, and changes to pages 10 and 14, which reflect the addition of the 004-0 miner to your currently approved mine ventilation plan for the Sago Mine, I.D. No. 46-08791, has been reviewed. The information is adequate and approved. This information will be included in your currently approved mine ventilation plan.

You are reminded that all changes or revisions to the mine ventilation plan, as specified in 30 CFR 75.370 (d), must be submitted to and approved in writing by this office before they are implemented.

If you have any questions, please feel free to contact this office.

Sincerely,

ORIGINAL SIGNED BY CARLOS MOSLEY
Kevin G. Stricklin
District Manager

JBrady:jw

bcc:
Bridgeport F/O (2)
W. Ponceroff
E. Parrish
Health Section
Ventilation Section
Map File
~~Main~~ File

Anker WV Mining Co. Inc.
Sago Mine
RT. 9 Box 507
Buckhannon, WV 26201
304-473-1676

Mr. Kevin G. Stricklin
Mine Safety Health Administration
604 Cheat Road
Morgantown, WV 26508

May 9, 2005

Dear Mr. Stricklin,

Anker West Virginia Mining Company, Inc., Sago Mine, MSHA I.D. 46-08791 is submitting for your review and approval the inclusion of Page 5a, and changes to pages 10 and 14 to our current approved Ventilation Plan. These changes reflect the addition of the 004-0 miner at the Sago Mine.

pi 5-9-05

Thanks,

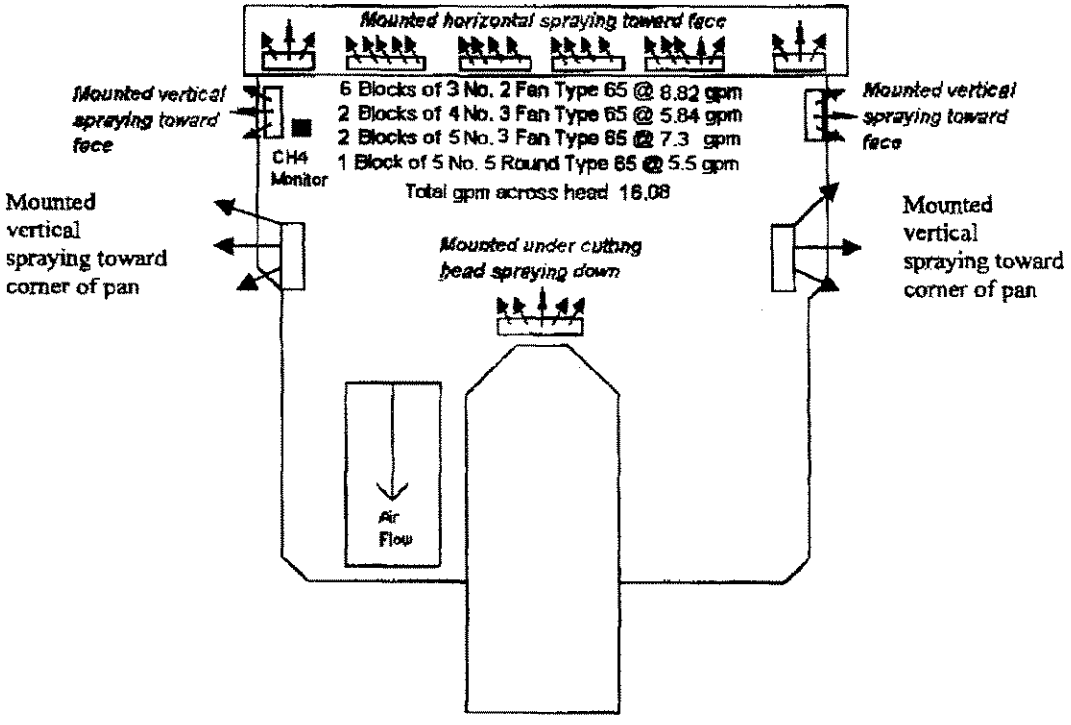
James A. Schoonover

James A. Schoonover
Safety Dept.

Anker WV Mining Company, Inc. **Page 5a**
Sago Mine

Face Areas

MMU 004-0
Type of Miner: Joy 14CM15.
__X__ Advance and/or _X__ Retreat
Quantity of air: Min. 6000 CFM – Max. 9000 CFM at the line curtain with scrubber on.
Total No. Of Sprays: 41 - Minimum water pressure: 60 psi with scrubber turned on.
Minimum No. of working sprays: 37 (90% of total)
At least 50% of the sprays in each block will be working.
Minimum Gallons per minute: 27.46 @ 60 psi
Distance from inby end of the ventilation device to point of deepest penetration: 40 ft. with blowing ventilation
Type of ventilation Device: Line Curtain
Minimum 6000 CFM at the end of the line curtain with scrubber off and miner in place. Mirror image applies.
USE WITHOUT SCRUBBER – Distance from inby end of the ventilation device to point of deepest penetration: 20 feet with exhaust ventilation.



Before moving energized equipment into a working place and on twenty minute intervals thereafter, a methane check at the face will be conducted utilizing one of the following methods; hand held extendible probe, wheeled cart or miner held methane detector (to be done on off curtain side).

Anker WV Mining Company, Inc.
Sago Mine

40-Foot Cut Plan

Face area - Dust Suppression using a wet-bed scrubber system and miner operated by remote control.

1. When mining entry straights and cross-cuts, the continuous miner will cut the curtain side first, the first and second runs will not exceed 20 feet in depth and the deepest penetration not to exceed 40 feet from the last row of roof bolts. All sump cuts will be started on the brattice side to optimize airflow distribution. Line brattice will be maintained to within 40 feet of the deepest penetration of the face where coal is being extracted. When mining, line curtain will be installed so as to direct the airflow toward the working face.

2. When mining cross-cuts, the mining direction will typically be from intake to return. Entry straights will be mined sufficiently inby the right edge of all cross-cuts so that the line curtain can be installed to direct the air flow towards the face being mined. The miner may be used to push the coal into an adjacent entry to permit bolting from that side.

3. The efficiency of the scrubber system will be monitored by using a magnehelic gage and pitot tube to conduct a center line reading of the scrubber duct work once at the start of each shift to ensure the scrubber is pulling at least the minimum required amount of air. Velocity readings for the following MMU's indicate that the corresponding magnehelic reading is near 6,000 CFM:

MMU	Inches of Water
001-0	0.7
002-0	0.7
003-0	1.0
004-0	0.7

The filter screen will be cleaned after 40 feet of coal has been extracted or after each cut. A weekly full traverse pitot tube reading will be recorded to ensure the efficiency of the scrubber system. When changes are made to the scrubber, a full traverse pitot tube reading will be taken to determine the required 6,000 CFM operating point.

4. Line curtains and any back-up checks used to direct air to the face for mining/cutting or bolting which would adversely affect the air at the face will not be run through by the shuttle cars.

5. During roof bolting operations line curtain will be used, and the curtain maintained to the second full row of bolts from the face and will be advanced until the curtain is within 10 feet of the face. A minimum airflow of 3,500 CFM is required while the bolter is in operation.

JOY 14CM15 With Remote Control
Scrubber Specifications

MMU 001-0, 002-0, 004-0

A. Duct
1. Cross-sectional area in the duct where the Pitot tube reading is taken – 2.3 Sq. Ft.
2. Cleanouts – One (1) Filter Screen door, Three (3) in center boom duct, One (1) hinge area between cutter boom duct and chassis duct.

B. Scrubber Components
1. Screen – Wire Mesh Type, 2.6 sq. ft. opening angled at 45 degrees from vertical.
2. Mist eliminator – 3.67 sq. ft. air flow area.
3. Spray (filter) – one (1) wide angle, 121 degree, 15/64" orifice diameter, 6.4 GPM @ 45 PSI. The sprays will be on at all times when the scrubber is in operation.
4. Jet Pump – 1" size (13.7 GPM suction @ 60 PSI).
5. Pressure Reducing Valves – One for jet pump and one for sprays.

C. Fan – 30 HP., Single Impeller Axi-vane, 21" Impeller Dia.

D. Discharge Deflector – Airflow directed towards rib.

Scrubber Maintenance Schedule
Joy 14CM15

1. Scrubber will be maintained in accordance with manufacturer's specifications.

2. The filter screen will be cleaned after each 40 feet of coal has been extracted or after each cut. To clean the filter screen first, remove scrubber screen and tap out coal particles. Wash the screen with water, in the opposite direction of the air flow and place screen with water in the opposite direction of the air flow and place screen back into position.

3. Scrubber inlet duct work will be flushed out using access covers once in a normal production shift. Scrubber screen filter must be in place or particles will be washed into the scrubber sump.

4. Back flush and drain the mist eliminator and scrubber sump daily.

5. The fan motor will be greased at least once every 60 shifts with BG-Y lubricant for Joy Miners.

6. Each week back flush and drain the Ventura and sump of the Joy Miner per the following instructions:
   Close the shut-off valve to the system discharge line. Start the pump motor and start the fan I
   n the MANUAL mode. Allow the fan to run for 15 seconds,
   then shut the fan and pump motor off. Open the shut-off valve for the sump drain line. When the sump has drained, close the sump drain and open the system discharge line valve.

Rt. 9 Box 507, Buckhannon, W.V. 26201

ANKER WV MINING CO. SAGO MINE

Fax

To: [6] From: Al Schoonover - SAGO Mine

Fax: 304-473-1677 PAGES 5

Phone: 304-473-1676 Date: 5-9-05

Re: CC:

☐ Urgent X For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

U.S. Department of Labor

Mine Safety and Health Administration
604 Cheat Road
Morgantown, West Virginia 26508

SENT TO AND/OR DISCUSSED WITH FIELD OFFICE:

SURNAME	DATE

REVIEWED BY:

C.Wolfe	5-5-05
A.Black	5-5-05
[signature]	05 MAY 05
Jones	5-5-05
[signature]	5/5/05
Mosley	5-5-05

MAY 10 2005

Mr. John M. Garrett
Superintendent
Anker West Virginia Mining Company, Inc.
Route 9, Box 507
Buckhannon, West Virginia 26201

Dear Mr. Garrett:

The request filed April 18, 2005, to revise page 5, face ventilation parameters for the Eimco 2810-2 continuous-mining machine, MMU 003-0, in the mine ventilation plan for the Sago Mine, I.D. No. 46-08791, has been reviewed. The information is adequate and approved. This information will be included in your currently approved mine ventilation plan.

You are reminded that all changes or revisions to the mine ventilation plan, as specified in 30 CFR 75.370 (d), must be submitted to and approved in writing by this office before they are implemented.

If you have any questions, please feel free to contact this office.

Sincerely,

ORIGINAL SIGNED BY
CARLOS MOSLEY

Kevin G. Stricklin
District Manager

JBrady:jw

bcc:
Bridgeport F/O (2)
W. Ponceroff
E. Parrish
Health Section
Ventilation Section
Map File
~~Main~~ File

ANKER WEST VIRGINIA MINING COMPANY, INC.
Sago Mine
Rt.9 Box 507
Buckhannon, WV 26201
Phone 304-473-1676
Fax Phone 304-473-1677

April 10, 2005

Mr. Kevin G. Stricklin, District Manager
Mine Safety Health Administration
604 Cheat Road
Morgantown, WV 26508

Dear Mr. Stricklin:

Anker West Virginia Mining Company, Inc. Sago Mine MSHA I.D. 46-08791 is submitting a ventilation request to change page 5 of the current approved Ventilation and Dust Control Plan. The change concerns the number of water sprays on the MMU 003-0 continuous miner

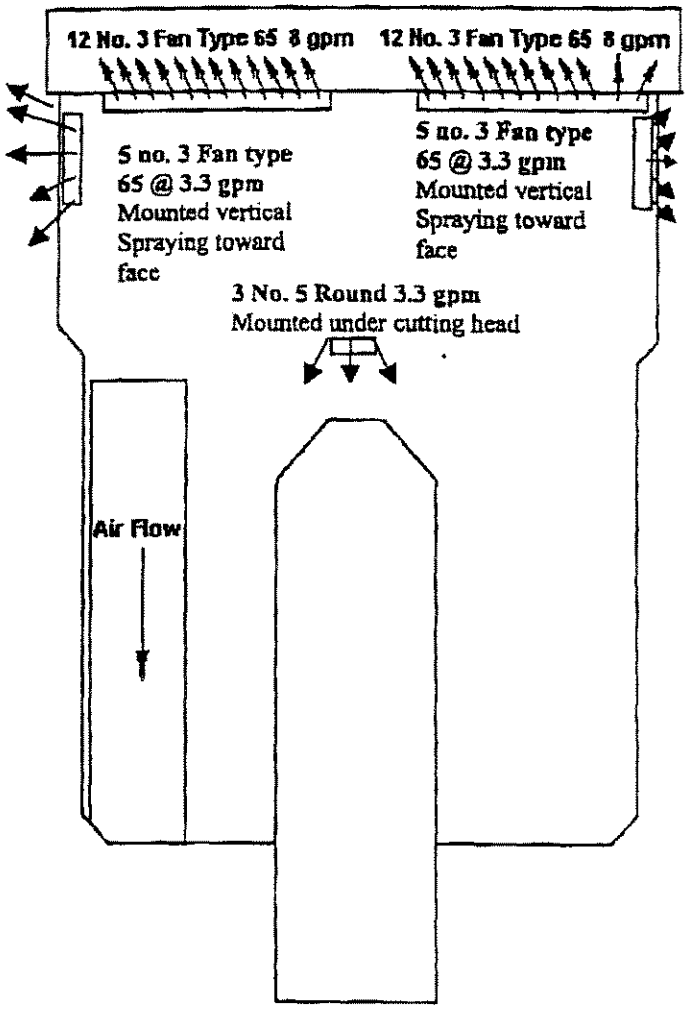
Should you have any questions concerning this matter please call me at the number above.

Sincerely,

James A. Schoonover
Safety Dept.

Type of Miner: Eimco 2810-2

_X_ Advance and/or _X_ Retreat
Quantity of air: Min. 6,000 CFM -8000 behind the line curtain with scrubber on, and miner in place.
Min. 6000 CFM in scrubber.
Total No. Of Sprays: 37-Minimum water pressure: 50 psi with scrubber on.
Minimum No. of working sprays: 33 (90% of total)
At least 50% of the sprays in each block will be working.
Minimum Gallons per minute: 25.90 @ 50 psi
Distance from inby end of the ventilation device to point of deepest penetration: 40 ft. for blowing ventilation with scrubber on, and 20 ft. for exhausting ventilation without scrubber with minimum 60 mean air (5880 cfm).
Type of ventilation Device: Line Curtain.
Minimum 6000 CFM at the end of the line curtain with scrubber off and miner in place. Mirror image applies.
USE WITHOUT SCRUBBER-Distance from inby end of the ventilation device to point of deepest penetration: 20feet with exhaust ventilation.



Before moving energized equipment into a working place and on twenty minute intervals thereafter, a methane check at the face will be conducted utilizing one of the following methods; hand held extendible probe, wheeled cart or miner held methane detector (to be done on off curtain side).

U.S. Department of Labor

Mine Safety and Health Administration
604 Cheat Road
Morgantown, West Virginia 26508

UNDERGROUND MINE FILE	
DATE FWD	5-6-5
INITIALS	wll

SENT TO AND/OR DISCUSSED WITH FIELD OFFICE:

SURNAME	DATE
Parrish / Terry / Satterfield	4/21/2005
REVIEWED BY:	
Parrish	4/6/2005
Hagan	4/7/05
	07.APR05
	4-7-05

MAY 5 2005

Mr. John M. Garrett
Superintendent
Anker West Virginia Mining Company, Inc.
Route 9, Box 507
Buckhannon, West Virginia 26201

Dear Mr. Garrett:

The March 2005 six-month review of the ventilation plan has been completed for the Sago Mine, I.D. No. 46-08791, and the approval remains in effect. However, if it is determined from an inspection or by the results of your sampling program that compliance with the respirable dust standard is not maintained, changes or adjustments in the ventilation plan may be necessary.

This approval includes the following material:

1. The revised mine ventilation plan filed March 4, 2005, and approved with this letter.

You are reminded that all changes or revisions to the mine ventilation plan, as specified in 30 CFR 75.370(d), must be submitted to and approved in writing by this office before they are implemented.

If you have any questions, please feel free to contact this office.

Sincerely,

Kevin G. Stricklin

Kevin G. Stricklin
District Manager

EParrish:si

bcc:
Bridgeport Field Office (2)
E. Parrish
Map File
~~Main~~ File
Health Group

ANKER WEST VIRGINIA MINING COMPANY INC.
Sago Mine
Rt. 9 Box 507
Buckhannon, WV 26201
Phone 304-473-1676

3-4-05

February 23, 2005

Mr. Kevin G. Stricklin, District Manager
Mine Safety Health Administration
604 Cheat Road
Morgantown, WV 26508

Dear Mr. Stricklin:

Anker West Virginia Mining Company, Inc. Sago Mine, MSHA I.D. 46-08791 is submitting for your review and approval a revised Ventilation Plan.

Should you have any questions concerning this matter please call me at 304-472-8602.

Sincerely,

James A. Schoonover

James A. Schoonover
Safety Dept.

ANKER WV MINING COMPANY, INC.

pe 3-4-05

SAGO MINE

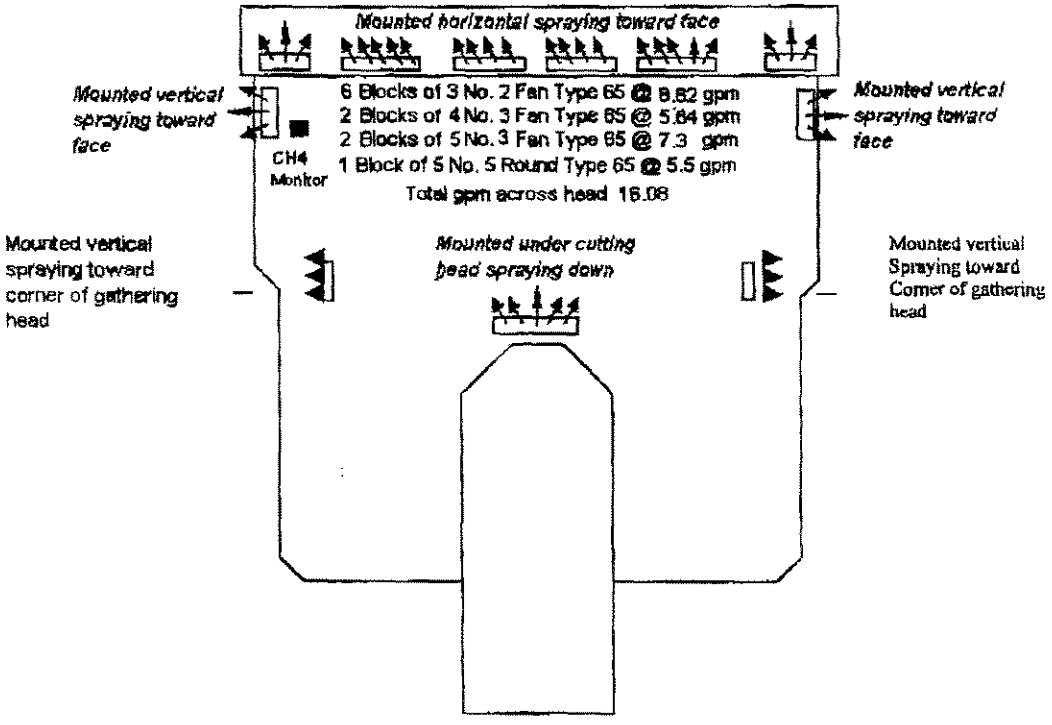
MINE VENTILATION SYSTEM and DUST CONTROL PLAN

February 22, 2005

MSHA ID. 46-08791

STATE ID. U-2016-98B

Type of Miner: Joy 14CM15
__X__ Advance and/or ____ Retreat
Quantity of air: **Min. 5880 CFM with a minimum of 60 FPM mean air velocity, or whichever is greater.**
Total No. Of Sprays: 41 - Minimum water pressure: 60 psi
Minimum No. of working sprays: 37 (90% of total)
At least 50% of the sprays in each block will be working.
Minimum Gallons per minute: 27.46 @ 60 psi
Distance from inby end of the ventilation device to point of deepest penetration: 20 ft. with exhausting ventilation
Type of ventilation Device: Line Curtain



Mirror Image
applies

Before moving energized equipment into a working place and on twenty minute intervals thereafter, a methane check at the face will be conducted utilizing one of the following methods; hand held
extendible probe, wheeled cart or miner held methane detector (to be done on off curtain side).

Face Areas

MMU 001-0

Type of Miner: Joy 14CM15.

__X__ Advance and/or _X__ Retreat

Quantity of air: Min. 6000 CFM – Max. 9000 CFM at the line curtain with scrubber on.

Total No. Of Sprays: ~~35~~ 41 Minimum water pressure: 60 psi with scrubber turned on.

Minimum No. of working sprays: ~~31~~ 37 (90% of total) per GN 11APR04

At least 50% of the sprays in each block will be working.

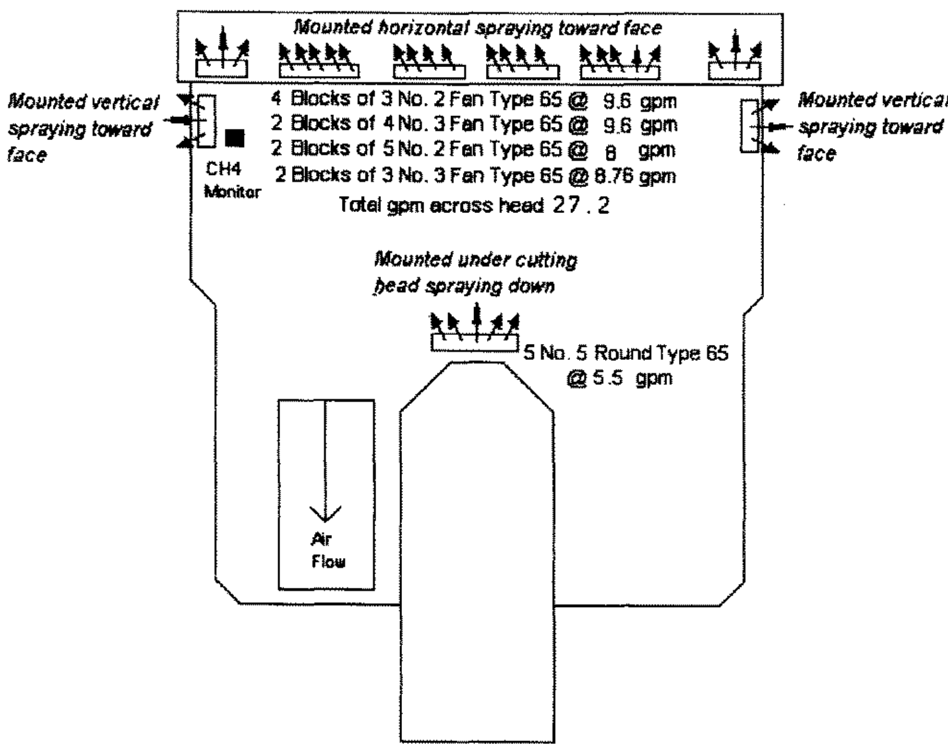
Minimum Gallons per minute: 20 @ 60 psi

Distance from inby end of the ventilation device to point of deepest penetration: 40 ft. with blowing ventilation

Type of ventilation Device: Line Curtain

Minimum 6000 CFM at the end of the line curtain with scrubber off and miner in place. Mirror image applies.

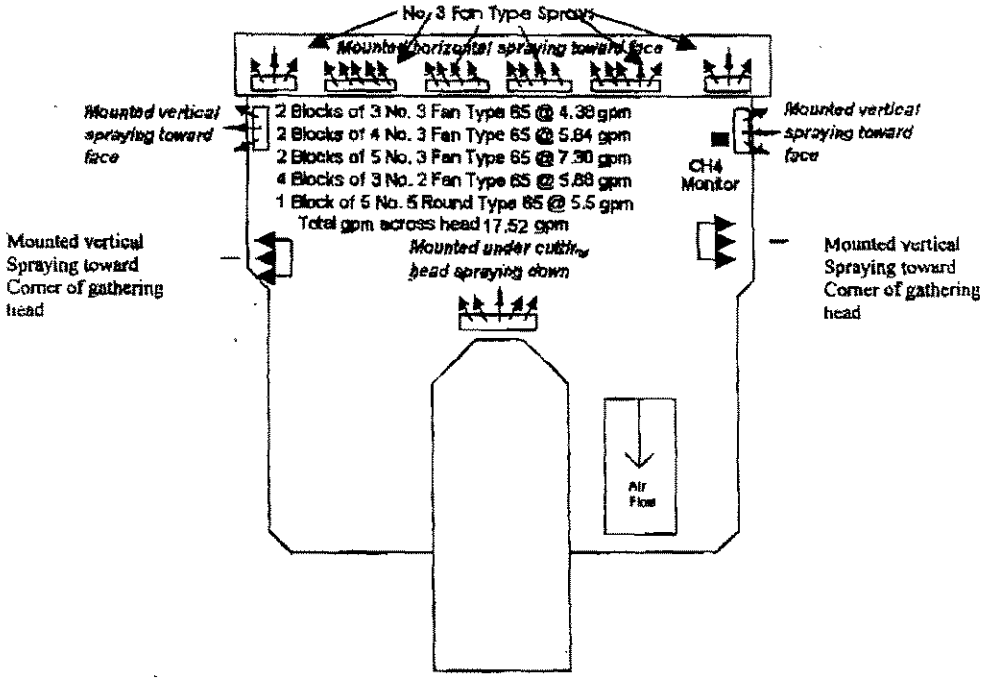
USE WITHOUT SCRUBBER – Distance from inby end of the ventilation device to point of deepest penetration: 20 feet with exhaust ventilation.



Before moving energized equipment into a working place and on twenty minute intervals thereafter, a methane check at the face will be conducted utilizing one of the following methods; hand held extendible probe, wheeled cart or miner held methane detector (to be done on off curtain side).

MMU 002-0

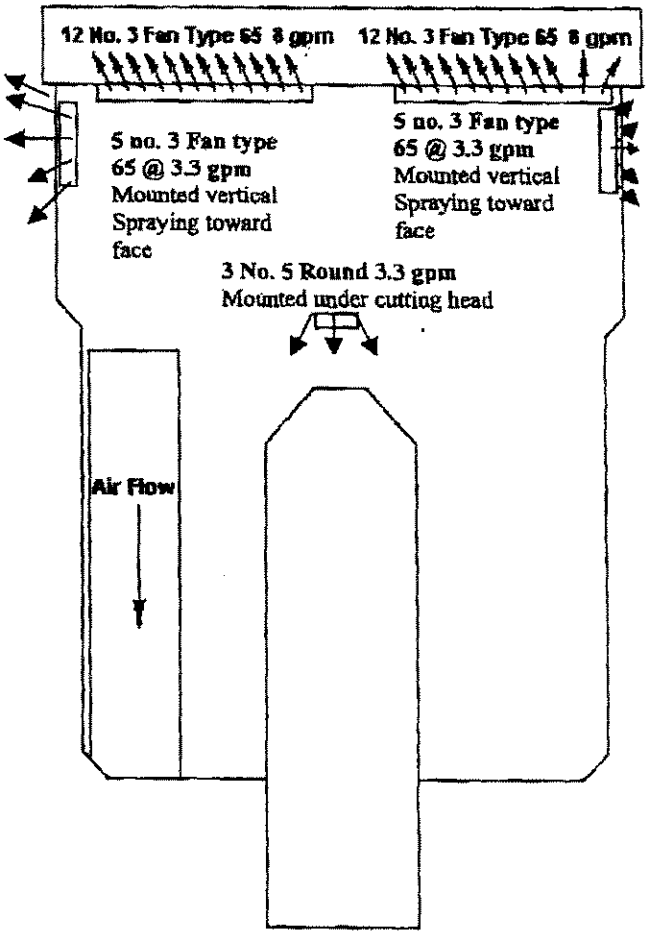
Type of Miner: Joy 14CM15
__X__ Advance and/or __X__ Retreat
Quantity of air: Min. 6000 CFM – Max. 9000 CFM at the line curtain with scrubber on.
Total No. Of Sprays: 41 - Minimum water pressure: 60 psi with scrubber turned on.
Minimum No. of working sprays: 37 (90% of total)
At least 50% of the sprays in each block will be working.
Minimum Gallons per minute: 28.9 @ 60 psi
Distance from inby end of the ventilation device to point of deepest penetration: 40 ft. with blowing ventilation
Type of ventilation Device: Line Curtain
Minimum 6000 CFM at the end of the line curtain with scrubber off and miner in place. Mirror image applies.
USE WITHOUT SCRUBBER – Distance from inby end of the ventilation device to point of deepest penetration: 20 feet with exhaust ventilation



Before moving energized equipment into a working place and on twenty minute intervals thereafter, a methane check at the face will be conducted utilizing one of the following methods; hand held
extendible probe, wheeled cart or miner held methane detector (to be done on off curtain side).

Type of Miner: Eimco 2810-2

_X_Advance and/or _X_ Retreat
Quantity of air: Min. 6,000 CFM -8000 behind the line curtain with scrubber on, and miner in place.
Min. 6000 CFM in scrubber.
Total No. Of Sprays: 37-Minimum water pressure: 50 psi with scrubber on.
Minimum No. of working sprays: 33 (90% of total)
At least 50% of the sprays in each block will be working.
Minimum Gallons per minute: 25.90 @ 50 psi
Distance from inby end of the ventilation device to point of deepest penetration: 40 ft. for blowing ventilation with scrubber on, and 20 ft. for exhausting ventilation without scrubber with minimum 60 mean air (5880 cfm).
Type of ventilation Device: Line Curtain.
Minimum 6000 CFM at the end of the line curtain with scrubber off and miner in place. Mirror image applies.
USE WITHOUT SCRUBBER-Distance from inby end of the ventilation device to point of deepest penetration: 20feet with exhaust ventilation.

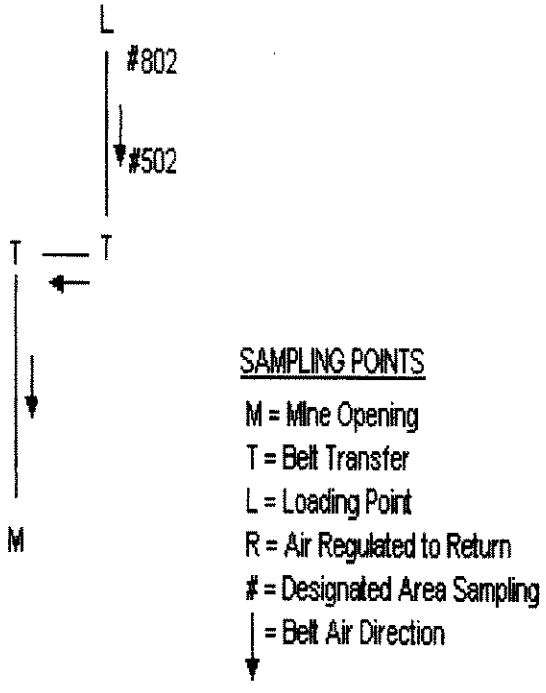


Before moving energized equipment into a working place and on twenty minute intervals thereafter, a methane check at the face will be conducted utilizing one of the following methods; hand held extendible probe, wheeled cart or miner held methane detector (to be done on off curtain side).

A minimum of 9,000 CFM will be maintained at the last open break when installing and removing mechanized mining equipment, or at the intake end of the pillar line when removing mechanized mining equipment. A minimum of 3,500 CFM will be maintained over the bolter while the bolter is operating. Ventilation controls will be installed and maintained according to the typical development diagrams included with this plan.

Line brattice or equivalent shall be maintained within 10' to point of deepest penetration for each entry or room where crosscuts cannot be provided before the entry or room is abandoned. If an entry or room is necked in more than 10', a curtain shall be installed before the entry or room is abandoned. In addition, line brattice or equivalent shall be maintained within 10' of a fully supported face or within 20' of an unbolted face.

Designated Area Sampling for Producing Sections



Selection Sheet for Designated Areas

MSHA ID No. 46-08791

Location and Position of Designated Area	**Designated Area**
Section Intake Locations	
002-0 Section Intake (Producing)	ID. 802-0
Position of the sampling instrument	
Within 100 feet of the last open crosscut in the intake air course at normal breathing level but not less than one foot from the roof and rib.	
Section Belt Feeder Locations	
002-0 Section Belt Feeder (Producing)	ID. 502-0
Position of the sampling instrument	
Located 20 feet outby the feeder, on the walkway side at normal breathing level but not less than on foot from the roof and rib.	

Bleeder System

A description of the future bleeder system to be used is shown on the mine ventilation map submitted in accordance with 30 CFR § 75.372. The description includes; the bleeder system design, the location of evaluation points for measurement of methane and oxygen concentrations and for testing air quantity and direction, and the location of ventilation devices such as regulators, stoppings, and bleeder connectors used to control air movement through worked out areas.

Active Bleeder Systems:
Certified personnel designated by the operator will travel to the location of evaluation points and measuring points. Bleeder entries will be examined by traveling to the point of furthest penetration from the B.E.P. to check the quality of air. These travels will be made at least every seven days to determine the effectiveness of the bleeder system. The examinations will consist of measurements for methane, oxygen deficiency, air quantity, and a determination whether the air is flowing in the proper direction. At each underground monitoring point location the name of the monitoring point as well as the direction of airflow will be identified. The examiner will place his initials and date at the evaluation point and record the results in a book located outside for the purpose. The examiner will notify the Shift or General Mine Foreman immediately of significant changes (reversal of air flow direction, changes of more than 25% in the quantity of air, or more then 1.0% change in the content of methane or oxygen). If warranted, the Shift or General Mine Foreman will make an investigation into the cause of the changes and take action to correct any hazardous conditions found. This action taken will be recorded in the appropriate book on the surface.

Bleeder entries will be maintained free of obstructions through the use of: posts and cribs, to control the roof; and through ditches and/or dewatering pumps, to control water.

Prior to intersecting accessible areas such as bleeder entries or other splits of air, precautions will be taken to avoid adversely affecting the mine ventilation such as building stoppings, hanging check curtains, building and/or adjusting regulators.

Inactive Bleeder Systems and Non-Pillared Worked Out Areas:
Certified personnel designated by the operator will travel the perimeter of non-pillared worked out areas at least every seven days, examining for methane, oxygen deficiency, air quantity, air flowing in the proper direction, and hazardous conditions. These measurements shall be made at approved evaluation points and/or measurement point locations. All approved evaluation point and/or measurement point locations, shall, at all times, be maintained in safe condition. Any hazardous condition will be recorded in a book located outside for that purpose.

For the purpose of ventilation of structures, area or installations that are required to be ventilated to return air courses, and for ventilation of seals, other air courses designated as return air courses are shown on the mine ventilation map submitted in accordance with 30 CFR 75.372.

The location, if different from that submitted on the mine ventilation map, and sequence of construction of proposed seals will be submitted to the District Manager and approved prior to the construction of seals.

20-Foot Cut Plan

Face area - Dust Suppression using water spray system and miner operated by remote control.

1. When mining entry straights and cross-cuts, the continuous miner will cut the curtain side first. Line brattice will be maintained to within 20 feet of the deepest penetration of the face where coal is being extracted. When mining, line curtain will be installed so as to direct the airflow toward the working face.

2. During roof bolting operations line curtain will be used, and the curtain maintained to the second full row of bolts from the face and will be advanced until the curtain is within 10 feet of the face. A minimum airflow of 3,000 CFM is required while the bolter is in operation.
   3,500 CFM - As per M. Schweitzer @ 4/5/2005

3. The methane monitor, or a remote warning device, shall be located so is visible to the operator at all times during operation.

40-Foot Cut Plan

Face area - Dust Suppression using a wet-bed scrubber system and miner operated by remote control.

1. When mining entry straights and cross-cuts, the continuous miner will cut the curtain side first, the first and second runs will not exceed 20 feet in depth and the deepest penetration not to exceed 40 feet from the last row of roof bolts. All sump cuts will be started on the brattice side to optimize airflow distribution. Line brattice will be maintained to within 40 feet of the deepest penetration of the face where coal is being extracted. When mining, line curtain will be installed so as to direct the airflow toward the working face.

2. When mining cross-cuts, the mining direction will typically be from intake to return. Entry straights will be mined sufficiently inby the right edge of all cross-cuts so that the line curtain can be installed to direct the air flow towards the face being mined. The miner may be used to push the coal into an adjacent entry to permit bolting from that side.

3. The efficiency of the scrubber system will be monitored by using a magnehelic gage and pitot tube to conduct a center line reading of the scrubber duct work once at the start of each shift to ensure the scrubber is pulling at least the minimum required amount of air. Velocity readings for the following MMU's indicate that the corresponding magnehelic reading is near 6,000 CFM:

MMU	Inches of Water
001-0	0.7
002-0	0.7
003-0	1.0

The filter screen will be cleaned after 40 feet of coal has been extracted or after each cut. A weekly full traverse pitot tube reading will be recorded to ensure the efficiency of the scrubber system. When changes are made to the scrubber, a full traverse pitot tube reading will be taken to determine the required 6,000 CFM operating point. *in book on the surface as per Al Schoonover. 4/8/2003 (EH)*

4. Line curtains and any back-up checks used to direct air to the face for mining/cutting or bolting which would adversely affect the air at the face will not be run through by the shuttle cars.

5. During roof bolting operations line curtain will be used, and the curtain maintained to the second full row of bolts from the face and will be advanced until the curtain is within 10 feet of the face. A minimum airflow of 3,500 CFM is required while the bolter is in operation.

6. In the event that a power failure occurs and the power is off for more than 15 minutes and the miner is in the working face inby the last permanent support, prior to activating power to the continuous miner a methane examination of the face will be conducted.

7. In the event the scrubber system fails or when the scrubber system is not being operated, the method of face ventilation will revert to the ventilation approved for non-scrubber equipped miners.

8. The scrubber system and the water sprays shall be used while cutting or loading and the scrubber system will be in operation at all times when any portion of the continuous miner is inby the end of the face ventilation device. The machine mounted water spray pressure gage will be checked weekly for accuracy.

9. The scrubber system discharge will not be located on the intake side of the machine.

10. The methane monitor shall be located such that the monitor itself or a remote warning devise is visible to the operator at all times during remote control operation.

11. The methane sensor shall be located as close to the face as possible and located so that it is not in direct line with the fresh intake air flow.

12. Weekly methane monitor calibration tests shall be made with a known quantity of methane. The test results shall be recorded.

13. A device to actuate the fire suppression system shall be installed which can be used to manually activate the fire suppression system on the miner from under supported roof. This device shall be such that a continual physical connection from the deep cut continuous miner to the area from which it can be activated is maintained at all times.

14. An electrically operated valve shall be provided that can be actuated from the remote control unit and operated by its own power source. A functional test of the remotely activated fire suppression system shall be conducted daily.

15. All other applicable provisions of the currently approved ventilation system and methane and dust control plan will be complied with.

CO Monitoring System

Installed in the belt entry is a Model 1700 series low-level carbon monoxide monitoring system produced by Pyott-Boone Electronics. The early warning CO monitoring devices will be located so that the air is monitored at all belt drives, tailpieces, and at intervals not to exceed 1,000 feet along each conveyor belt flight. The sensor device at the tailpiece will not exceed forty feet (40') outby or inby with the direction of air flow.

The velocity of air in the belt entry will be 50 feet per minute or greater and have distinct movement in the designated direction.

The CO monitoring system will activate an alarm, both audible, and visual, at a location on the surface where a responsible person will be on duty, while the belt haulage system is in operation. The responsible person will be located so that the alert alarm signal can be seen or heard. Two-way communication will be provided to the working section.

The CO monitoring system shall be examined visually once during each producing shift and tested for functional operation weekly to ensure the monitoring system is functioning properly. The monitoring system shall be calibrated with known concentrations of carbon monoxide and air mixtures at monthly intervals. A record of inspections shall be maintained on the surface. The inspection record shall show the date of each weekly inspection, monthly calibration, and the maintenance performed on the system.

If at any time the carbon monoxide system or any portion of the system has been de-energized for reasons such as routine maintenance or failure of sensor unit, the belt conveyor may continue to operate provided the affected portion of the belt conveyor entry shall be continuously monitored for carbon monoxide by a person trained in the procedures to be followed and provided with a hand-held CO detector in the following manner until the monitoring system is returned to normal operation.

A) If one sensor becomes inoperative, a qualified person shall monitor at that location. This may be done with the person performing the repairs on the system.

B) If two or more sensors become inoperative, a qualified person(s) shall patrol and monitor the area affected at least once each hour; and

C) If the complete system becomes inoperative, a sufficient number of qualified persons shall patrol and monitor the belt entries of the mine whereby the entire belt haulage entries will be traveled each hour in their entirety.

Once the malfunction is confirmed, repairs will begin immediately and continue until the malfunction is corrected.

The CO monitoring system will be capable of identifying the activated sensor(s) and its location underground. The CO monitoring system shall be capable of monitoring electrical continuity and detecting electrical malfunctions such as electrical shorts and open circuits, ground faults, and, where appropriate, pneumatic malfunctions in the system. The system will also be capable of giving warning of a fire for a minimum of four (4) hours after the power to the belt is removed, except when power is removed during a fan stoppage or the belt haulage way is examined as provided in 30 CFR § 75.1103-4(e) (1) and (2).

At any belt regulator where air enters from both directions, two sensors will be located so both splits are monitored.

The ambient level in PPM of CO is zero, based on calibrated test results.

JOY 14CM15 With Remote Control
Scrubber Specifications

MMU 001-0, 002-0

A. Duct
1. Cross-sectional area in the duct where the Pitot tube reading is taken – 2.3 Sq. Ft.
2. Cleanouts – One (1) Filter Screen door, Three (3) in center boom duct, One (1) hinge area between cutter boom duct and chassis duct.

B. Scrubber Components
1. Screen – Wire Mesh Type, 2.6 sq. ft. opening angled at 45 degrees from vertical.
2. Mist eliminator – 3.67 sq. ft. air flow area.
3. Spray (filter) – one (1) wide angle, 121 degree, 15/64" orifice diameter, 6.4 GPM @ 45 PSI. The sprays will be on at all times when the scrubber is in operation.
4. Jet Pump – 1" size (13.7 GPM suction @ 60 PSI).
5. Pressure Reducing Valves – One for jet pump and one for sprays.

C. Fan – 30 HP., Single Impeller Axi-vane, 21" Impeller Dia.

D. Discharge Deflector – Airflow directed towards rib.

Scrubber Maintenance Schedule
Joy 14CM15

1. Scrubber will be maintained in accordance with manufacturer's specifications.

2. The filter screen will be cleaned after each 40 feet of coal has been extracted or after each cut. To clean the filter screen first, remove scrubber screen and tap out coal particles. Wash the screen with water, in the opposite direction of the air flow and place screen with water in the opposite direction of the air flow and place screen back into position.

3. Scrubber inlet duct work will be flushed out using access covers once in a normal production shift. Scrubber screen filter must be in place or particles will be washed into the scrubber sump.

4. Back flush and drain the mist eliminator and scrubber sump daily.

5. The fan motor will be greased at least once every 60 shifts with BG-Y lubricant for Joy Miners.

6. Each week back flush and drain the Ventura and sump of the Joy Miner per the following instructions:
   Close the shut-off valve to the system discharge line. Start the pump motor and start the fan I
   n the MANUAL mode. Allow the fan to run for 15 seconds,
   then shut the fan and pump motor off. Open the shut-off valve for the sump drain line. When the sump has drained, close the sump drain and open the system discharge line valve.

Eimco 2810-2 W/Remote Control Scrubber Specifications

MMU 003-0

A. Duct
   1. The cross-sectional area in the duct where the Pitot tube reading is taken - 1.75 sq. ft.
   2. Cleanouts – 2

B. Scrubber Components
   1. Screen – Wire Mesh Type, 392 sq. in. opening, angled at 45 degrees from vertical.
   2. Mist Eliminator – 462 sq. in. opening (nominal)
   3. Eimco 2810-2 Sprays – Two wide angle square spray nozzles, 110 degree angle, 7/64" (nominal) orifice diameter, 1.6 GPM per nozzle @ 30 PSI. The sprays will be on at all times when the scrubber is in operation.
   4. Jet Pump – 1" size provides 13.76 GPM suction capacity.

C. Fan – Axi –vane, 30 H.P., 16 ½ Inch nominal diameter.

D. Discharge Deflector – Airflow directed toward rib.

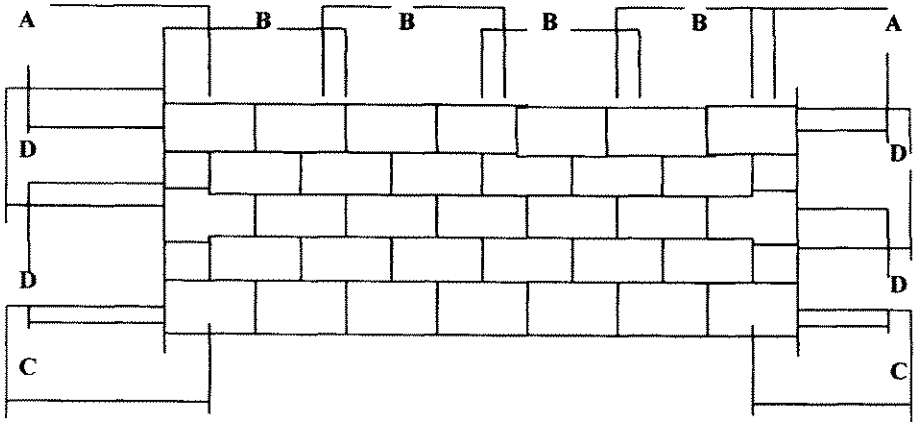
Scrubber Maintenance Schedule
Eimco 2810-2

1. Scrubber will be maintained in accordance with manufacturer's specifications.
2. Filter screen will be cleaned after completion of each forty feet of coal mined, or after each cut. First remove scrubber screen and tap out coal particles, wash the screen with water in the opposite direction of the airflow and place screen back into position.
3. Scrubber inlet duct work will be flushed out using access covers once in a normal production shift. Scrubber screen filter must be in place or particles will be washed into the scrubber sump.
4. Mist eliminator and sump will be cleaned at least once per normal production shift.
5. The fan motor will be greased at least once every 80 shifts with high temperature lubricant.

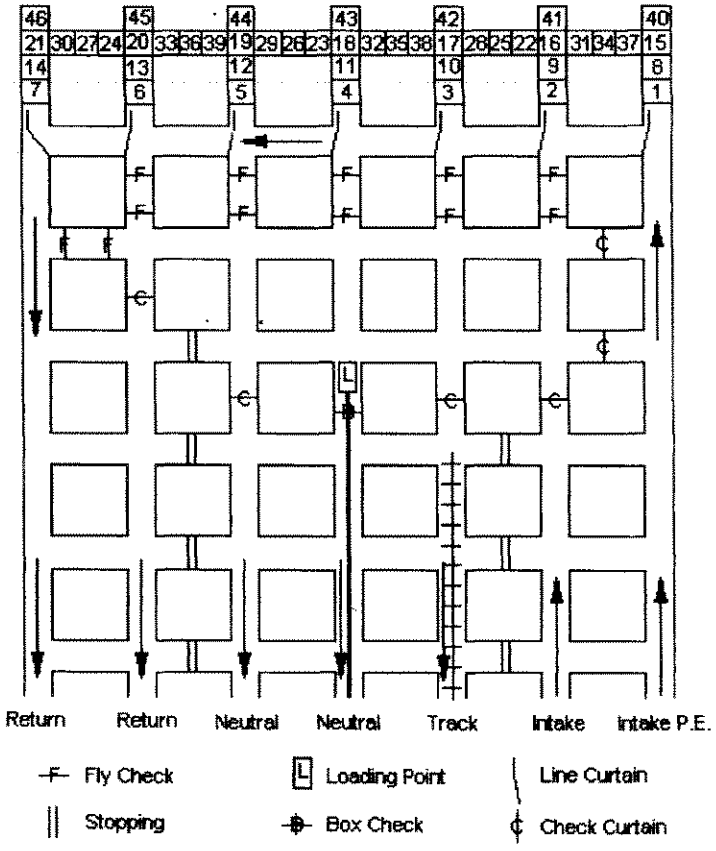
PRE-LOADED BLOCK SEAL

1. A block seal, as per 30CFR part 75.335 constructed without hitching, the seal will be constructed using cross coursed solid 8" x 8" x 16" tongue and grove concrete blocks in rows where tongue and groove engage and smooth block in rows where tongue and groove would not engage. Laid in transverse pattern with mortar between all joints. A pilaster, at least 16" x 32", shall be interlocked near the center of the seal. If the seal dimensions exceed 8 feet by 18 feet, a second pilaster shall be installed in the seal, but no greater than 12 feet high by 20 feet wide. A minimum spacing of 2", and no greater than 8" will be left between the seal wall and roof and ribs. One half bag (fillers) will be used in areas in excess of 5". No hitching is required. Seal thickness will be a minimum of 16" and the full faces of the seal will be coated.
2. Seal packsetter bags will be placed around the perimeter of the seal wall. Bags will be centered on the seal wall and overlap 6" of each bag and under the lower corners of the seal wall. The top corner bags will be placed ½ on top and ½ on the side with bag overlap a minimum of 6".
3. All packsetter bags will be pumped with packsetter grout to a minimum of 250KPA and maximum of 300KPA, as read on the in line pressure gauge on the hose of the packsetter grout pump. Pumping sequence will be according to the manufacture recommendations.
4. Water trap shall be install no more than 12 inches from pavement
5. Safety glasses will be worn during mixing and pumping procedures.
6. Sample and water pipes will be installed as required by 30 CFR part 75.335(b)

PACKSETTER BAG PUMPING SEQUENCE FOR PRE-LOADED BLOCK SEAL PUMP BAGS MARKED "A", THEN "B", THEN "C", THEN "D".



Anker WV Mining Company, Inc. **Drawing No. 1**
Sago Mine Ventilation Plan



GENERAL NOTES

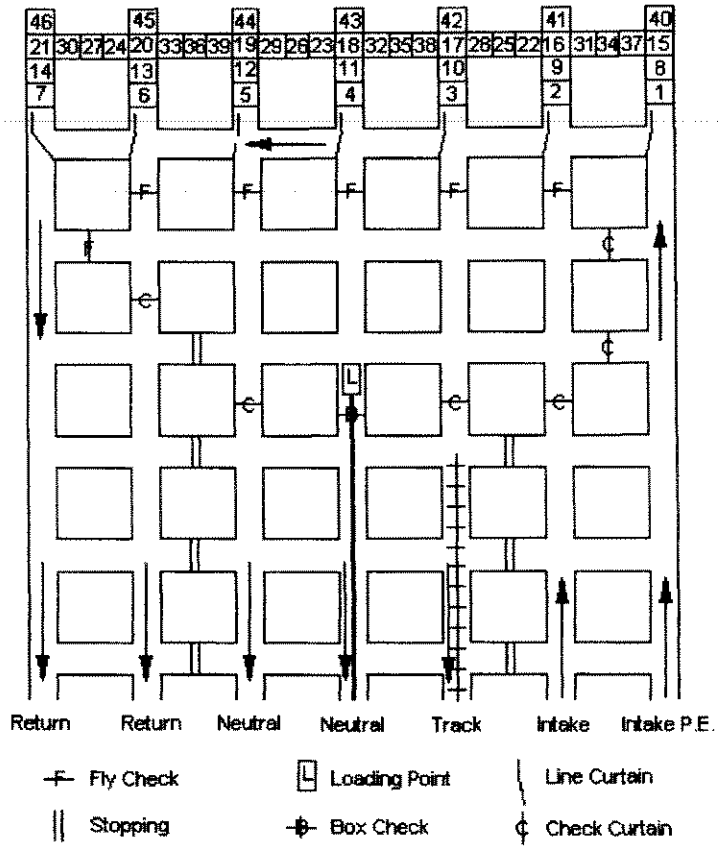
1) Mining Sequence may vary due to mining conditions.
2) Entry and crosscut centers may vary
3) Primary Escapeway - Intake P.E.: Alternate Escapeway – Track
4) The number of entries may vary from 4 to 10.

Typical Face Ventilation With Exhausting Ventilation

Scale: N.T.S.
Vent. Plan Drawing No. 1

Anker WV Mining Company, Inc.
Sago Mine Ventilation Plan

Drawing No. 2



GENERAL NOTES

1) Mining Sequence may vary due to mining conditions.
2) Entry and crosscut centers may vary
3) Primary Escapeway - Intake P.E.: Alternate Escapeway – Track
4) The number of entries may vary from 4 to 10.

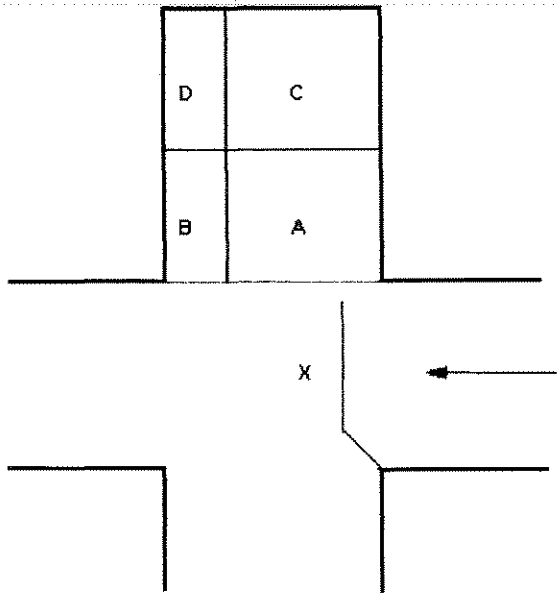
Typical Face Ventilation
With Exhausting Ventilation

Scale: N.T.S.
Vent. Plan Drawing No. 2

Anker WV Mining Company, Inc.
Sago Mine Ventilation Plan

Drawing No. 3

Lift Sequence for Extended Cut



General Notes

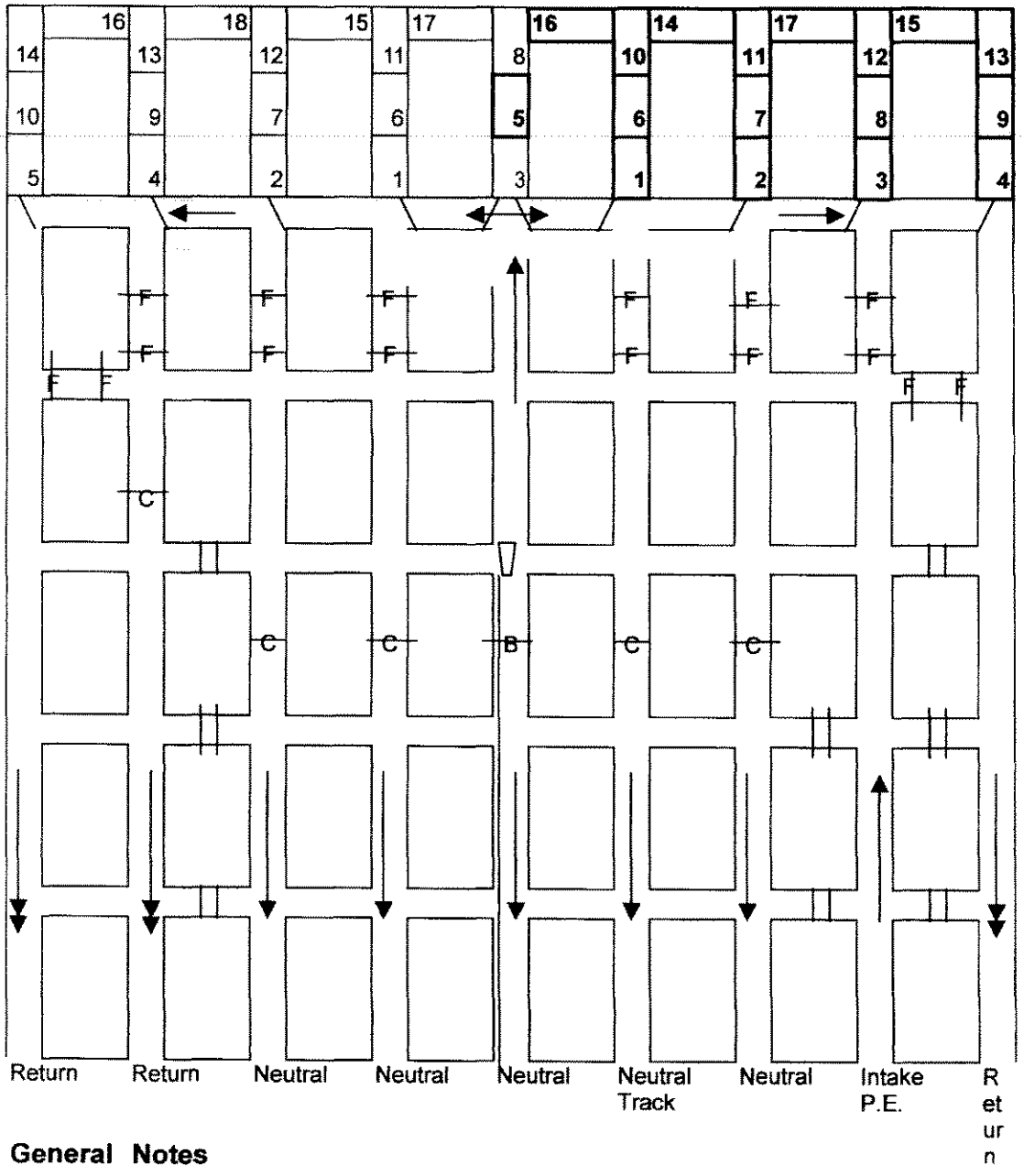
1) Each cut will be mined in the sequence shown.
2) **X** is the location of the continuous miner operator.
3) Refer to page 6a for safety precautions.
4) Mirror image applies.

General Ventilation for Extended cut

Scale: N.T.S.
Vent. Plan Drawing No. 3

Anker WV Mining Company, Inc.
Sago Mine Ventilation Plan

Drawing No. 4



General Notes

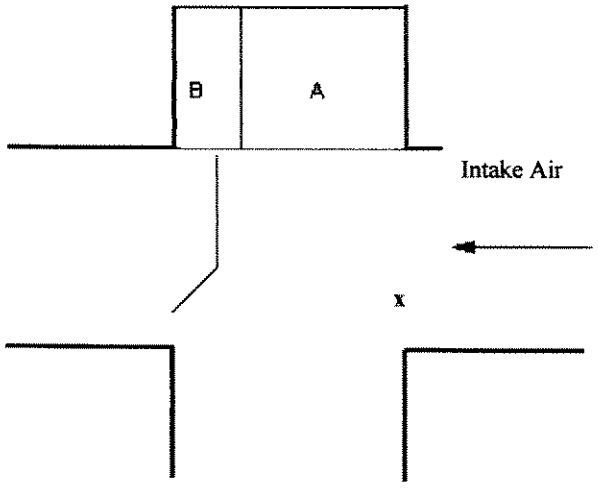
Cuts shown in **bold** font are for the miner on the right side of the section.
Cuts shown in normal font are for the miner on the left side of the section.
Mining sequence may vary due to mining conditions.
Entry and crosscut centers may vary.
Primary Escapeway - Intake P. E. – Alternate Escapeway – Track
The number of entries may vary from 6 to 12.

Typical Split Ventilation with Blowing Ventilation

Scale: N.T.S.
Vent. Plan Drawing No. 3

Anker WV Mining Company, Inc. **Drawing No. 5**
Sago Mine Ventilation Plan

Lift Sequence for 20ft. Extracted Cut, Exhausting



General Notes

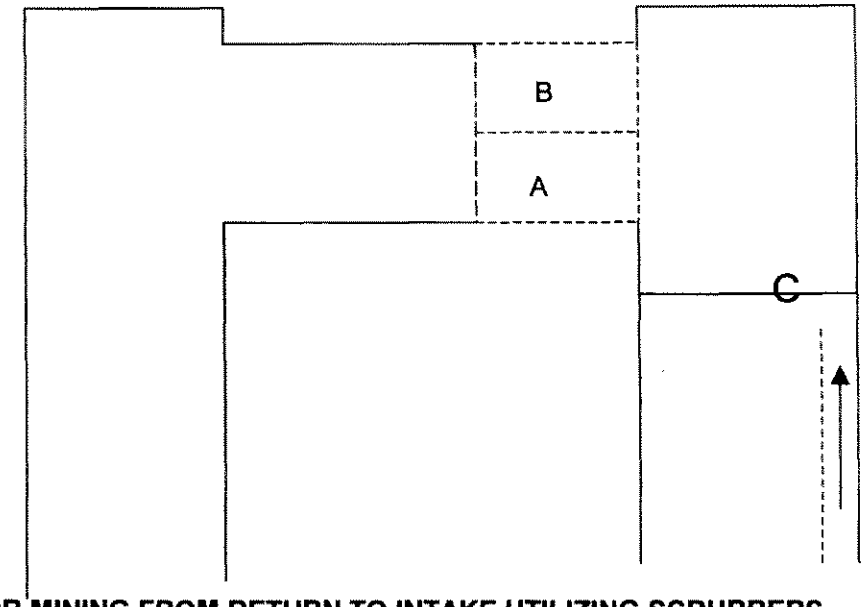
1) Each cut will be mined in the sequence shown.
2) **X** is the location of the continuous miner operator.
3) Refer to page 6a for safety precautions.
4) Mirror image applies.

General Exhausting Ventilation for 20ft. cut

Scale: N.T.S.
Vent. Plan Drawing No. 5

Anker WV Mining Company, Inc.
Sago Mine Ventilation Plan

DRAWING NO. 6



PLAN FOR MINING FROM RETURN TO INTAKE UTILIZING SCRUBBERS

WHEN CUTTING FROM RETURN TO INTAKE A CHECK CURTAIN SHALL BE INSTALLED AS SHOWN IMMEDIATELY PRIOR TO CUTTING THROUGH AND MAINTAINED UNTIL THE CUT IS COMPLETE. AT THAT TIME THE CURTAIN WILL BE REMOVED.

ANKER WEST VIRGINIA MINING CO.
SAGO MINE

SCRUBBER OPERATING PLAN FOR MIINING
FROM RETURN TO INTAKE

MIRROR IMAGE APPLIES

COAL MINE SAFETY AND HEALTH DISTRICT 3

MAY 5 2005

UNDERGROUND MINE FILE
DATE RVD 5-6-5
INITIALS

MEMORANDUM FOR KEVIN G. STRICKLIN
District Manager

THROUGH: CARLOS T. MOSLEY
Assistant District Manager
For Technical Programs

[6]

FROM: [6]

SUBJECT: Review of Mine Ventilation Plan and Program of Instruction (75.1502)

MINE Sago I.D. No. 46-08791

COMPANY Anker West Virginia Mining Co., Inc.

REVIEW STARTED 03/02/2005 REVIEW COMPLETED 04/01/2005

1. The following items were reviewed since the last approval as part of the plan evaluation procedures:

	Item	Yes	No	N/A
A.	Complete Reexamination of the Ventilation Plan	X		
B.	Mine Map for Required Information	X		
C.	Established Checkpoints Per Authority			X
D.	Methane Liberation	X		
E.	Ignition History	X		
F.	Citations Related to Subpart D - Ventilation	X		
*G.	Citations for Exceeding the Respirable Dust Standard	X		
H.	Petitions for Modification Related to Ventilation			X
*I.	Respirable Dust Inspection Reports	X		
*J.	Remote-Control Operations	X		
*K.	Diesel Equipment			X
L.	Escapeways Identified on the Map at the Mine	X		
M.	Written Comments from Representative of Miners			X

**Reviewed By Health Section*

2. The following areas were visited during an in-mine inspection to observe the ventilation system in operation:

   Sections: 002 MMU

   Bleeder System: None in the mine

   Non-Pillared Worked-Out Areas: None in the mine

   Seals: Old Mains 1-9 Seals done by AAA #4054553

   Ventilation Controls and Construction: Along routes of travel

3. Communication/Discussion with:
   Mine Management regarding:
   - Ventilation plan and program of instruction 02/24/2005
   - Specific compliance with the requirements of 75.364 . . . . . 03/03/2005
   - Any mining projections within the next six months that will be within 500 feet of adjacent abandoned workings (if yes, explain in remarks . . . . . N/A

   Representative of Miners 02/24/2005
   MSHA Assistant District Manager 02/24/2005
   Field Office 02/24/2005
   Health Group 02/24/2005

4. List of new fan installations since last review: None

5. Give brief description of additions and/or revisions (include date) of the plan since last review. If none, enter none below.

   1. The request to operate a supersection in 1 Right off 2 North Mains approved November 5, 2004.
   2. Revised page 2b approved December 30, 2004.
   3. Revised pages 3 and 4 approved January 4, 2005.

6. Remarks:

7. Do you recommend approval? Yes_X_ No____

U.S. Department of Labor

Mine Safety and Health Administration
604 Cheat Road
Morgantown, West Virginia 26508

UNDERGROUND MINE FILE
DATE RVD 5-6-5
INITIALS

SENT TO AND/OR DISCUSSED WITH FIELD OFFICE:

SURNAME	DATE
Parrish/Remy/Strickland	3/24/2005

REVIEWED BY:

	4/6/2005
	4/7/05
	4-7-05
	4-7-05

MAY 5 2005

Mr. John M. Garrett
Superintendent
Anker West Virginia Mining Company, Inc.
Route 9, Box 507
Buckhannon, West Virginia 26201

Dear Mr. Garrett:

This will acknowledge receipt of the mine ventilation map filed February 24, 2005, pursuant to 30 CFR 75.372 for the Sago Mine, I.D. No. 46-08791. Title 30 CFR Section 75.372(a)(1) requires the mine ventilation map be submitted at intervals not exceeding twelve months. The next submittal for the Sago Mine will be due February 2006.

If you have any questions, please feel free to contact this office.

Sincerely,

Kevin G. Stricklin

Kevin G. Stricklin
District Manager

EParrish:si

bcc:
Bridgeport Field Office (2)
E. Parrish
Map File
Main File

Alpha Engineering Services, Inc.

216 Business Street
Phone: 304-255-4131

Beckley, WV 25801-5904
Fax: 304-255-4156

2005 FEB 24 PM 1:02

RECEIVED

2-24-05
CP

February 23, 2005

Mr. Kevin G. Stricklin, District Manager
MSHA District 3
604 Cheat Road
Morgantown, WV 26508

Re: Ventilation Map, Anker WV Mining Co., Inc,
Sago Mine, MSHA Mine ID No. 46-08791.

Dear Sir:

Enclosed please find three (3) copies of the annual Ventilation Map for the Sago Mine operated by Anker WV Mining Co. Inc., MSHA I.D. # 46-08791.

Should there be any question, please contact David Prelaz or Gary Hartsog of Alpha Engineering at 304-255-4131.

Sincerely,

L. David Prelaz, PE
Alpha Engineering Services, Inc.

Enclosures