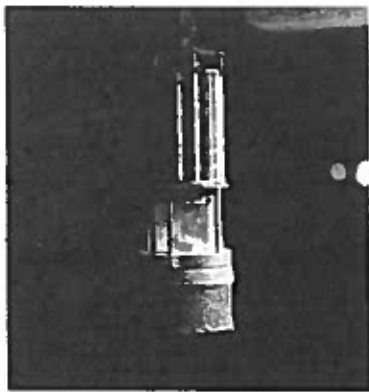


OMSL & MSHA

Date: 05/22/2014

Time: 7:00 am

Hopkins County
Fair Grounds



WKMI Safety Days

2014 PRE-SHIFT EXAMINERS CONTEST



D & R COAL

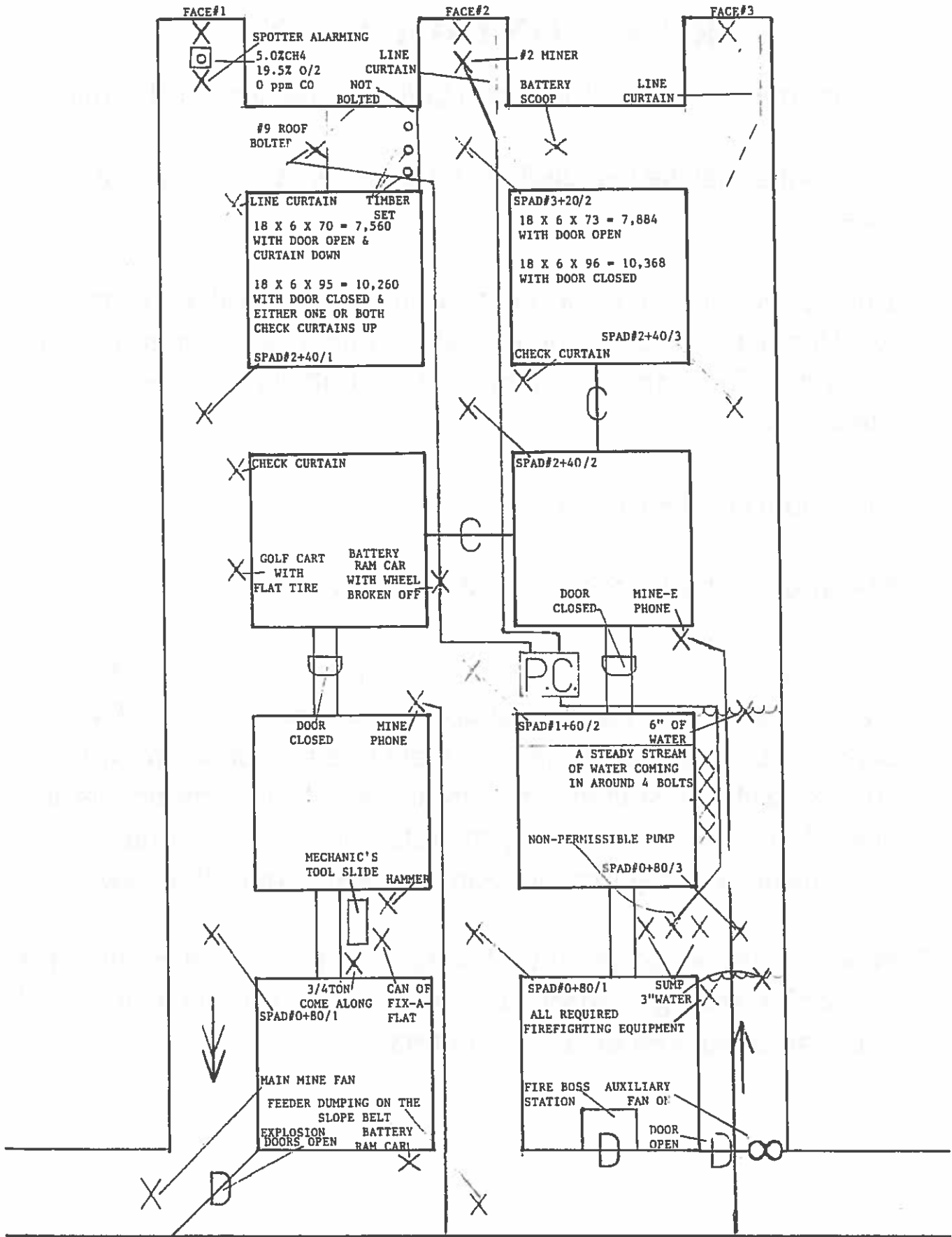
#1 MINE

To The Judges

Thank you for your participation in this PRE-SHIFT contest. We are utilizing the National & Ky State Pre-Shift rules in the same contest. In doing this there will be a Federal & State Judge on every field. You will judge the contestant on your field with the rules of which agency you work for. Both judges must concur on the discounts or points given. There will be a manila envelope for each judge (National & State) with your score sheets & card in every contestant's packet, be sure that you get the right one. There is a sample of each of the score sheets in the back of this book. When the contestants finish on the field each judge will need to fill out the correct score card, and both judges must sign each score card. PLEASE place the score sheets & score cards back in the correct manila envelope and the contestant's packet when they are completed. The score sheets have the discounts (National) or points (KY State) already written out on them once you score the contestant all that you will have to do is transfer them to the score card and add them up. We have tried to make this as simple as possible but if you should have any questions please contact either of the Chief Judges.

Chief Judges

Danny Hendrix & Rodney James



FACE#1

FACE#2

FACE#3

SPOTTER ALARMING
5.0%CH4
19.5% O2
0 ppm CO
LINE CURTAIN
NOT BOLTED

#2 MINER
BATTERY SCOOP
LINE CURTAIN

#9 ROOF BOLTER

LINE CURTAIN
TIMBER SET
18 X 6 X 70 = 7,560
WITH DOOR OPEN &
CURTAIN DOWN
18 X 6 X 95 = 10,260
WITH DOOR CLOSED &
EITHER ONE OR BOTH
CHECK CURTAINS UP
SPAD#2+40/1

SPAD#3+20/2
18 X 6 X 73 = 7,884
WITH DOOR OPEN
18 X 6 X 96 = 10,368
WITH DOOR CLOSED
SPAD#2+40/3
CHECK CURTAIN

CHECK CURTAIN
GOLF CART WITH FLAT TIRE
BATTERY RAM CAR WITH WHEEL BROKEN OFF

SPAD#2+40/2
DOOR CLOSED
MINE-E PHONE

P.C.

DOOR CLOSED
MINE/PHONE
MECHANIC'S TOOL SLIDE
HAMMER

SPAD#1+60/2
6" OF WATER
A STEADY STREAM OF WATER COMING IN AROUND 4 BOLTS
NON-PERMISSIBLE PUMP
SPAD#0+80/3

3/4 TON CAN OF COME ALONG FIX-A-FLAT
SPAD#0+80/1
MAIN MINE FAN
FEEDER DUMPING ON THE SLOPE BELT
EXPLOSION DOORS OPEN
BATTERY RAM CAR

SPAD#0+80/1
SUMP 3" WATER
ALL REQUIRED FIREFIGHTING EQUIPMENT
FIRE BOSS STATION
AUXILIARY FAN OF
DOOR OPEN

D & R Coal No. 1 Mine

VENTILATION PLAN

1. To develop the D & R underground mine, one temporary fan will be used to ventilate the working area from the highwall to 2+40, to allow for bottom development and construction of the main mine fan. The entries will be numbered left to right facing the highwall. After the 2+40 crosscut is opened D & R will switch to the main mine fan.
2. Line curtains are required to be installed to within 5' of the face or to the next to the last complete row of permanent roof support.
3. 6,500 CFM of quantity required when coal is being mined cut or loaded.
4. 10,000 CFM of air shall be maintained in the last open crosscut on the working sections at all times.
5. The face of entry shall not be driven more than 40' feet inby the proposed crosscut off that entry.
6. Permanent stoppings shall be maintained up to and including the third 3rd crosscut outby the face on the return side and up to the tailpiece on the intake side.
7. During bolting cycle the line curtain shall be maintained to within 10' of the bumper of the bolter with a minimum of 3,000 CFM at the inby end of the line brattice.

2014 W.K.M.I. PRE-SHIFT KENTUCKY STATE Judges Discount Sheet

CONTESTANT

NO. _____

NAME _____

POINTS AWARDED FROM OUTSIDE PAGE	MAX 100	
POINTS AWARDED FROM 1 & 1 RIGHT PAGE	MAX 135	
POINTS AWARDED FROM 2 & 2 RIGHT PAGE	MAX 80	
POINTS AWARDED FROM 3 PAGE	MAX 85	
POINTS AWARDED FROM POWER CENTER PAGE	MAX 25	
TOTAL POINTS AWARDED	MAX 425	
TOTAL DISCOUNTS		-
CONTESTANTS TOTAL FIELD SCORE		
CONTESTANTS FIELD TIME		: _____

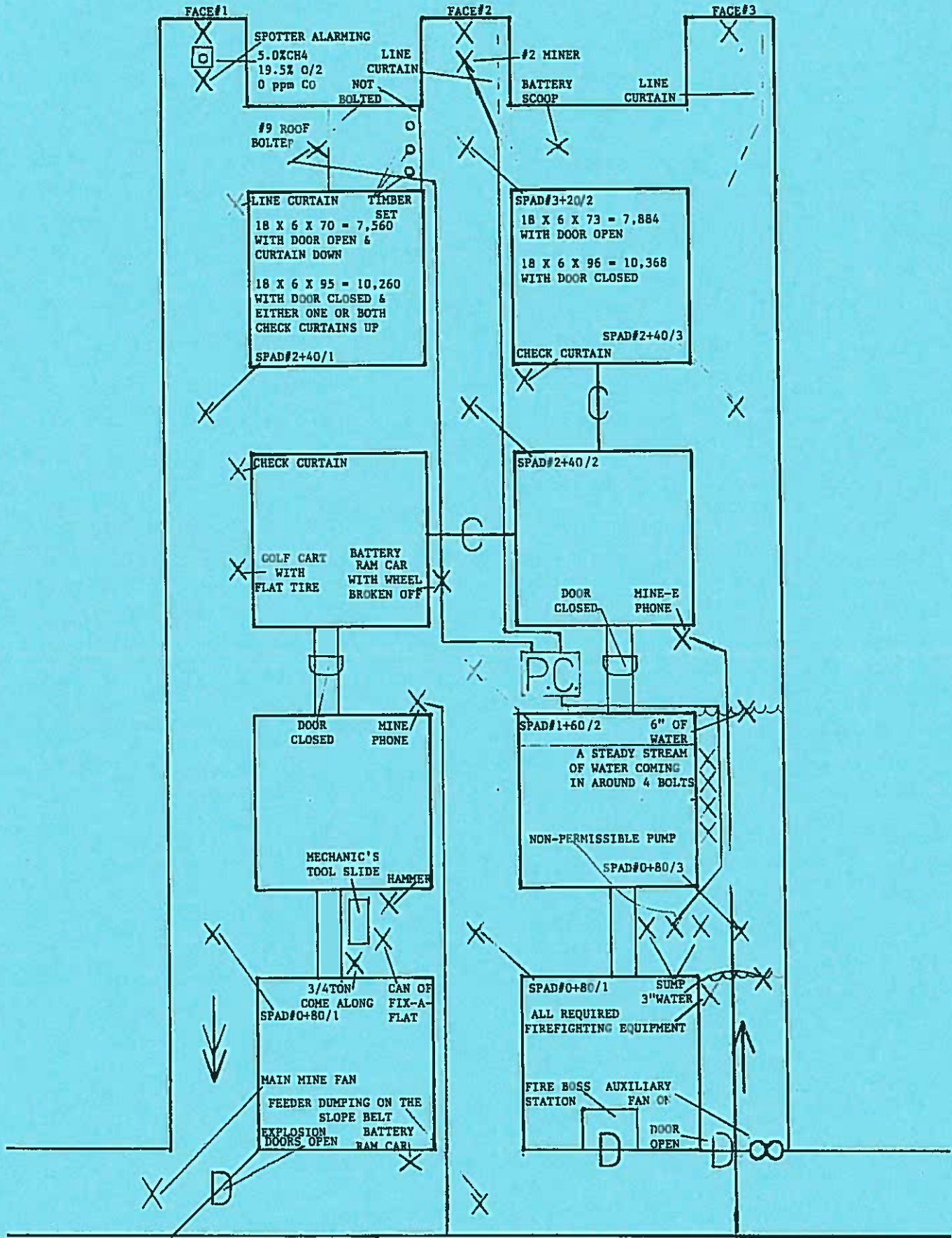
JUDGE: _____

JUDGE: _____

REVIEWED BY

NAME: _____

#1 ENTRY & 1 RIGHT	YES	NO	RULE #
GAS TEST IN ENTRY (CH4 & O2)			NATIONAL
DID CONTESTANT MAKE PROPER GAS TEST			NATIONAL
DTI IN ENTRY WHERE GAS TEST WAS MADE			NATIONAL
VERBALIZE VISUAL ROOF EXAM IN ENTRY			NATIONAL
FIND GOLF CART WITH FLAT TIRE			NATIONAL
REPAIR FLAT TIRE AND REMOVE	+20		# 13
FIND NO CHECK CURTAIN IN #1 RIGHT AT X-CUT 2+40			NATIONAL
INSTALL CHECK CURTAIN IN #1 RIGHT AT X-CUT 2+40	+10		# 18
FIND 1 RIGHT AT X-CUT 1+20 NOT BOLTED & NOT FLAGGED			NATIONAL
DANGER OUT 1 RIGHT AT X-CUT 320	+10		# 16
ENDANGER SELF BY ENTERING UNBOLTED AREA	-25		# 26
FIND BOLTER CABLE THROUGH UNBOLTED X-CUT			NATIONAL
DANGER OUT ROOFBOLTER	+10		# 16
FIND LINE CURTIAN MISSING IN THE FACE OF #1			NATIONAL
CHECK ALARMING SPOTTER (CH4 5%)	+5		# 14
REPLACE MISSING LINE CURTAIN IN THE FACE OF #1	+10		# 18
GAS RETEST (CH4 = 0.0 CH4))	+5+5+5		# 14
DID CONTESTANT MAKE PROPER GAS TEST			NATIONAL
DID CONTESTANT TAKE GAS TEST AT FACE	+5+5+5		
DID CONTESTANT MAKE PROPER GAS TEST AT FACE			NATIONAL
DTI AT LAST ROW OF BOLTS	+5+5+5		# 15
RETURN AIR READING IN #1 OR #1 LEFT	+25		# 19
IMPROPER PROCEDURE FOR AIR READING			NATIONAL
IF ANEMOMETER IS TURNED BACKWARDS	-10		# 20
IF CONTESTANT USES CALCULATOR	-10		# 19
RETURN AIR READING TAKEN IN #1 ENTRY NOT #1 LEFT			NATIONAL
TOTAL POSSIBLE POINTS	135		
TOTAL POINTS DISCOUNTED			
TOTAL POINTS AWARDED			



FACE#1

FACE#2

FACE#3

SPOTTER ALARMING
5.0%CH4
19.5% O2
0 ppm CO
LINE CURTAIN
NOT BOLTED

#2 MINER
BATTERY SCOOP
LINE CURTAIN

#9 ROOF BOLTEP

LINE CURTAIN
TIMBER SET
18 X 6 X 70 = 7,560
WITH DOOR OPEN &
CURTAIN DOWN
18 X 6 X 95 = 10,260
WITH DOOR CLOSED &
EITHER ONE OR BOTH
CHECK CURTAINS UP
SPAD#2+40/1

SPAD#3+20/2
18 X 6 X 73 = 7,884
WITH DOOR OPEN
18 X 6 X 96 = 10,368
WITH DOOR CLOSED
SPAD#2+40/3
CHECK CURTAIN

CHECK CURTAIN
GOLF CART WITH
FLAT TIRE
BATTERY RAM CAR
WITH WHEEL
BROKEN OFF

SPAD#2+40/2
DOOR CLOSED
MINE-E PHONE

P.C.

DOOR CLOSED
MINE-E PHONE
MECHANIC'S TOOL SLIDE
HAMMER

SPAD#1+60/2
6" OF WATER
A STEADY STREAM
OF WATER COMING
IN AROUND 4 BOLTS
NON-PERMISSIBLE PUMP
SPAD#0+80/3

3/4 TON CAN OF
COME ALONG FIX-A-
FLAT
SPAD#0+80/1
MAIN MINE FAN
FEEDER DUMPING ON THE
SLOPE BELT
EXPLOSION BATTERY
DOORS OPEN RAM CAR

SPAD#0+80/1
SUMP
3" WATER
ALL REQUIRED
FIREFIGHTING EQUIPMENT
FIRE BOSS AUXILIARY
STATION FAN ON
DOOR OPEN

2014 W.K.M.I. PRE-SHIFT NATIONAL Judges Discount Sheet

CONTESTANT

NO. _____

NAME _____

DISCOUNTS FROM OUTSIDE PAGE	
DISCOUNTS FROM 1 & 1 RIGHT PAGE	
DISCOUNTS FROM 2 & 2 RIGHT PAGE	
DISCOUNTS FROM 3 PAGE	
DISCOUNTS FROM POWER CENTER PAGE	
TOTAL POINTS DISCOUNTED	
CONTESTANTS TOTAL FIELD SCORE	
CONTESTANTS FIELD TIME	:

JUDGE: _____

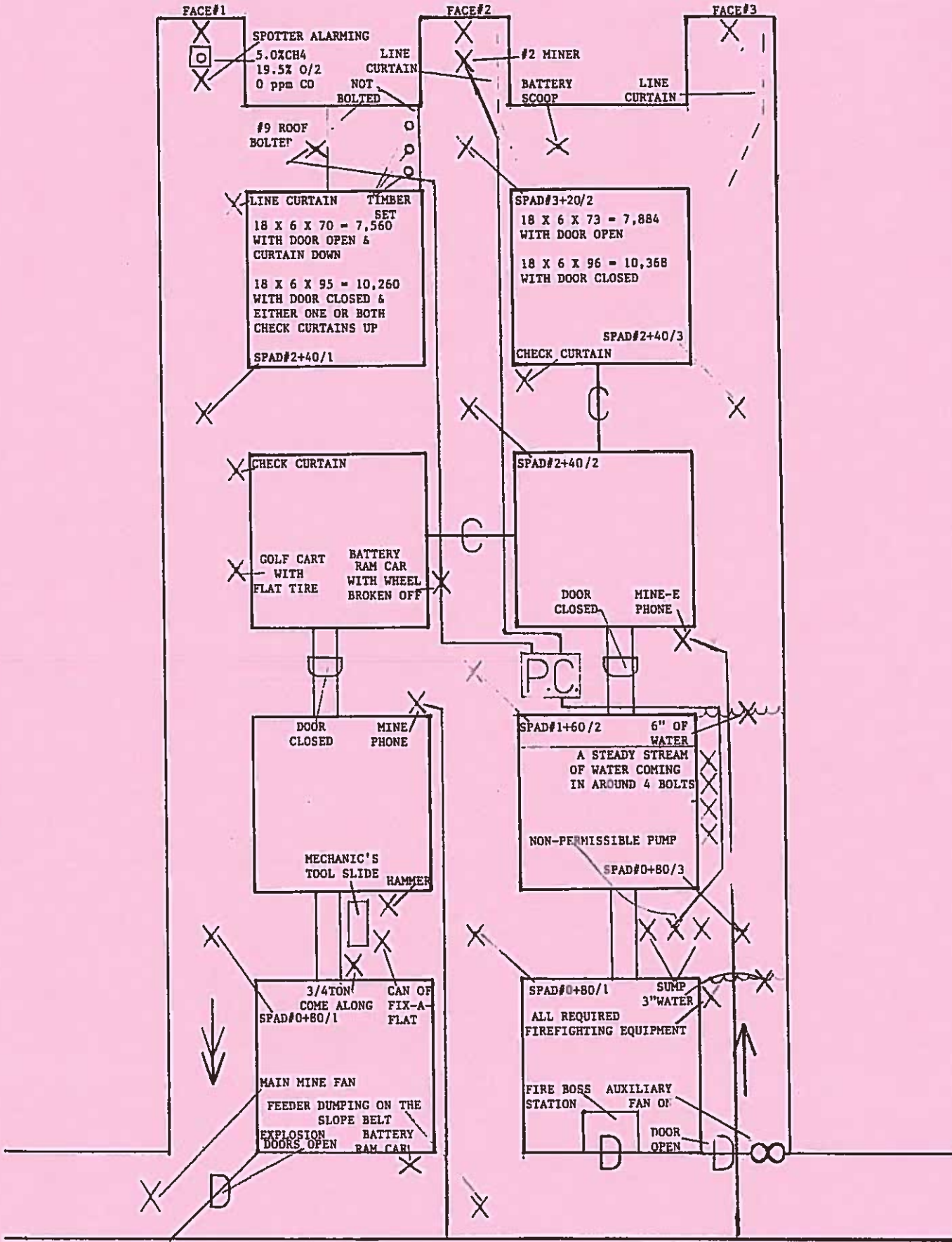
JUDGE: _____

REVIEWED BY

NAME: _____

NAME: _____

#1 ENTRY & 1 RIGHT	YES	NO	RULE #
GAS TEST IN ENTRY (CH4 & O2)		-3 ea	# 5-A
DID CONTESTANT TAKE PROPER GAS TEST		-2 ea	# 6
DTI IN ENTRY WHERE GAS TEST WAS MADE		-2	# 4
VERBALIZE VISUAL ROOF EXAM IN ENTRY		-2	# 10
FIND GOLF CART WITH FLAT TIRE		-10	# 11
REPAIR FLAT TIRE & REMOVE		-10	# 12
FIND NO CHECK CURTAIN IN #1 RIGHT AT X-CUT 2+40		-10	# 11
INSTALL CHECK CURTIAN IN #1 RIGHT AT X-CUT 2+40		-10	# 12
FIND 1 RIGHT AT X-CUT 3+20 NOT BOLTED & NOT FLAGGED		-10	# 11
DANGER OUT 1 RIGHT AT X-CUT 3+20		-10	# 12
ENDANGER SELF BY ENTERING UNBOLTED AREA		-20	# 16C
FIND ROOFBOLTER CABLE THROUGH NOT BOLTED X-CUT		-10	# 11
DANGER OUT ROOFBOLTER		-10	# 12
FIND LINE CURTIAN MISSING IN THE FACE OF #1		-10	# 11
CHECK ALARMING SPOTTER (5% CH4)		-10	# 11
REPLACE MISSING LINE CURTIAN IN THE FACE OF #1		-10	# 12
GAS RETEST (CH4 = 0.0 CH4)		-3	# 5-I
DID CONTESTANT TAKE PROPER GAS RETEST		-2	# 6
DID CONTESTANT TAKE GAS TEST AT FACE (CH4 & O2)		-3 ea	# 5-H
DID CONTESTANT TAKE PROPER GAS TEST AT FACE		-2 ea	# 6
DTI AT FACE		-2	# 4
RETURN AIR READING #1 or #1 LEFT		-10	# 7
IMPROPER PROCEDURE FOR AIR READING		-2	# 8
IF ANEMOMETER IS TURNED BACKWARDS			STATE
RETURN AIR READING TAKEN IN #1 ENTRY NOT #1 LEFT		-5	# 9
TOTAL DISCOUNTS GIVEN			



JUDGES

PLACARDS

If the contestant takes the proper INTAKE air reading WITH the door by the auxiliary fan CLOSED, show them or tell them this

18 X 6 X 96

If the contestant takes the proper RETURN air reading WITH the door by the auxiliary fan closed, & either or both of the check curtains up show them or tell them this

18 X 6 X 95

If contestant RECHECKS for methane in the face of #3 AFTER venting then give them this gas reading.

CH4 0.0

CO 0.0

O₂ 20.9%

2014 W.K.M.I. EXAMINERS PRE-SHIFT STATE REPORT PAGE

DATE OF EXAMINATION		(+5+5+5) 5/22/2014		SECTION OR AREA EXAMINED		(+5) # 1UNIT			
TIME OF EXAMINATION		FROM:	(+5+5) '00:00		A.M. P.M.	TO:	(+5+5) '00:00		
		T.P.P. = 40		TOTAL = _____					
LOCATION	CH4	O2	VIOLATION OR HAZARDOUS CONDITION			ACTION TAKEN			
(+5) #1 ENTRY	(+5) 0.0	20.9	(+) GOLF CART IN THE RETURN			(+) REPAIRED & REMOVED			
(+5) #1 RIGHT			(+) NOT BOLTED			(+) DANGERED OUT			
(+5) #1 RIGHT			(+) BOLTER CABLE THROUGH UNSUPPORTED TOP			(+) LOCK OUT - TAG OUT			
(+5) #1 RIGHT			(+) CHECK CURTAIN DOWN			(+) REPLACED			
(+5) #1 FACE	(+5) '0.0	20.9	(+) 5.0% CH4, (+) LINE CURTAIN DOWN			(+) EXTENDED LINE CURTAIN (+) CLEARED CH4			
(+5) #2 ENTRY	(+5) 0.0	20.9	(+) INBY SPAD 1+60/2 RAM CAR ON BOLTER CABLE			(+) LOCK & TAG OUT BOLTER			
(+5) #2 ENTRY			(+) NO CHECK CURTAIN INBY 2+20/2			(+) REPLACED / HUNG			
(+5) #2 LEFT			(+) INSUFFICIENT TIMBERS IN CROSSCUT			(+) DANGERED OUT			
(+5) #2 FACE	(+5) 0.0	20.9	(+) MINER INBY INPROPERLY SUPPORTED X-CUT			(+) DANGERED OUT AND REPORTED			
(+5) #3 ENTRY			(+) DOOR OPEN AT AUXILIARY FAN			(+) CLOSED DOOR			
(+5) #3 LEFT	(+5) '0.0	20.9	(+) NONE OBSERVED AT PUMP						
(+5) #3 ENTRY	(+5) 0.0	20.9	(+) INBY 0+80/3 WATER COMING IN AROUND 4 BOLTS			(+) DANGER OUT			
(+5) #3 FACE	(+5) '0.0	20.9	(+) NONE OBSERVED						
(+5) POWER CENTER	(+5) 0.0	20.9	(+) 5.0 CH4 IN THE FACE OF #1			(+) LOCK OUT & TAG OUT			
T.P.P. = 70		T.P.P. = 40		T.P.P. = 75		T.P.P. = 65			
TOTAL= _____		Total= _____		TOTAL = _____			TOTAL = _____		
AIR MEASUREMENTS (MUST BE CORRECT)									
LOCATION		CFM		LOCATION		CFM			
(+15) INTAKE		(+15) 10.368		(+15) RETURN		(+15) 10,260			
T.P.P. = 60				Total= _____					
REMARKS									
(+20) THE MAIN MINE FAN WAS NOT TURNED ON PER THE VENTILATION PLAN WHEN 2+40 WAS OPENED.									
T.P.P. = 20				TOTAL = _____					
(+25) Wanna B Examiner				(+5+5+5) 5/22/2014		(+25) A-24-48			
SIGNED BY THE CERTIFIED EXAMINER				DATE		CERTIFICATION NUMBER			
T.P.P. = 65				TOTAL = _____					
T.P.P. = 435				CONTESTANT'S TOTAL POINTS = _____					
JUDGE:				JUDGE:					

2014 W.K.M.I. EXAMINERS PRE-SHIFT NATIONAL REPORT PAGE

DATE OF EXAMINATION		(-1) 5/22/2014		SECTION OR AREA EXAMINED		(-1) # 1UNIT		
TIME OF EXAMINATION		FROM:	(-1) '00:00		A.M. P.M.	TO:	(-1) '00:00	
MAXIMUM DISCOUNTS 4 pts					TOTAL = _____			
LOCATION	CH4	O2	VIOLATION OR HAZARDOUS CONDITION			ACTION TAKEN		
(-2) #1 ENTRY	(-1) 0.0	20.9	(-2) GOLF CART IN THE RETURN			(-2) REPAIRED & REMOVED		
(-2) #1 RIGHT			(-2) NOT BOLTED			(-2) DANGERED OUT		
(-2) #1 RIGHT			(-2) BOLTER CABLE THROUGH UNSUPPORTED TOP			(-2) LOCK OUT - TAG OUT		
(-2) #1 RIGHT			(-2) CHECK CURTAIN DOWN			(-2) REPLACED		
(-2) #1 FACE	(-1) '0.0	20.9	(-2) 5.0% CH4, (-2) LINE CURTAIN DOWN			(-2) EXTENDED LINE CURTAIN (-2) CLEARED CH4		
(-2) #2 ENTRY	(-1) 0.0	20.9	(-2) INBY SPAD 1+60/2 RAM CAR ON BOLTER CABLE			(-2) LOCK & TAG OUT BOLTER		
(-2) #2 ENTRY			(-2) NO CHECK CURTAIN INBY 2+20/2			(-2) REPLACED / HUNG		
(-2) #2 LEFT			(-2) INSUFFICIENT TIMBERS IN CROSSCUT			(-2) DANGERED OUT		
(-2) #2 FACE	(-1) 0.0	20.9	(-2) MINER INBY INPROPERLY SUPPORTED X-CUT			(-2) DANGERED OUT AND REPORTED		
(-2) #3 ENTRY			(-2) DOOR OPEN AT AUXILIARY FAN			(-2) CLOSED DOOR		
(-2) #3 LEFT	(-1) '0.0	20.9	(-2) NONE OBSERVED AT PUMP					
(-2) #3 ENTRY	(-1) 0.0	20.9	(-2) INBY 0+80/3 WATER COMING IN AROUND 4 BOLTS			(-2) DANGER OUT		
(-2) #3 FACE	(-1) '0.0	20.9	(-2) NONE OBSERVED					
(-2) POWER CENTER	(-1) 0.0	20.9	(-2) 5.0 CH4 IN THE FACE OF #1			(-2) LOCK OUT & TAG OUT		
MAX 28 pts	MAX 8 pts		MAX 30 pts			MAX 26 pts		
TOTAL= _____		Total= _____		TOTAL = _____			TOTAL = _____	
AIR MEASUREMENTS (MUST BE CORRECT)								
LOCATION		CFM		LOCATION		CFM		
INTAKE		10,368		(-2) RETURN		(-1) 10,260		
MAX 3 pts				Total= _____				
REMARKS								
(-2) THE MAIN MINE FAN WAS NOT TURNED ON PER THE VENTILATION PLAN WHEN 2+40 WAS OPENED.								
MAX 2 pts				TOTAL = _____				
(-1) Wanna B Examiner				(-1) 5/22/2014		(-1) A-24-48		
SIGNED BY THE CERTIFIED EXAMINER				DATE		CERTIFICATION NUMBER		
MAX 3 pts				TOTAL = _____				
MAXIMUM TOTAL DISCOUNTS 104 pts				CONTESTANT'S TOTAL DISCOUNT = _____				
JUDGE:				JUDGE:				

2014 W.K.M.I. PRE-SHIFT EXAMINERS REPORT PAGE

DID THE CONTESTANT RECORD	STATE	NATIONAL
Date of examination	(+5)	(-1)
Section or area examined	(+5)	(-1)
Starting time of examination	(+5) (+5)	(-1)
Ending time of examination	(+5) (+5)	(-1)
(#1 entry) (0.0 - 20.9) (golf cart in the return) (removed)	(+5) (+5) (+5) (+5)	(-2) (-1) (-2) (-2)
(#1 right last open x-cut) (not bolted) (d-out)	(+5) (+5) (+5)	(-2) (-2) (-2)
(#1 right last open x-cut) (bolter cable through unsupported top) (LOTO)	(+5) (+5) (+5)	(-2) (-2) (-2)
(#1 face) (ch4-5.0%) (line curtain down) (hang L/C and cleared ch4)	(+5) (+5) (+5) (+5) (+5)	(-2) (-1) (-2) (-2) (-2) (-2)
(#1 right) (check curtain down) (replace or hung)	(+5) (+5) (+5)	(-2) (-2) (-2)
(#2 entry) (check curtain down inby 2+20/2) (replace/hung)	(+5) (+5) (+5)	(-2) (-2) (-2)
(#2 entry) (0.0 - 20.9) (inby spad 1+60/2 ram car on bolter cable) (LOTO)	(+5) (+5) (+5) (+5)	(-2) (-2) (-2) (-2)
(#2 left) (insufficient timbers in x-cut) (d-out)	(+5) (+5) (+5)	(-2) (-2) (-2)
(#2 face) (0.0 - 20.9) (miner inby improperly supported x-cut) (d-out)	(+5) (+5) (+5) (+5)	(-2) (-2) (-2) (-2)
(#3 entry) (0.0 - 20.9) (door open at auxiliary fan) (closed)	(+5) (+5) (+5) (+5)	(-2) (-1) (-2) (-2)
(#3 left at pump) (none observed) (0.0 - 20.9)	(+5) (+5) (+5)	(-2) (-2) (-2)
(#3 entry) (0.0 - 20.9) (inby 0+80/3 water coming around 4 bolts) (d-out)	(+5) (+5) (+5) (+5)	(-2) (-1) (-2) (-2)
(#3 face) (0.0 - 20.9) (none observed)	(+5) (+5) (+5)	(-2) (-1) (-2)
(power center) (0.0 - 20.9) (5.0% ch4 in the face of #1) (LOTO)	(+5) (+5) (+5) (+5)	(-2) (-2) (-2) (-2)
(intake locc) (air reading 10,368)	(+15) (+15)	
(return locc) (air reading 10,260)	(+15) (+15)	(-2) (-1)
(The main mine fan was not turned on per the ventilation plan)	(+25)	(-2) (-1)
(Sign the report) (date) (certification number)	(+25) (+10) (+10)	(-1) (-1) (-1)
TOTAL POINTS	T.P.A	T.D.

WKMI 2014 KY STATE PRE-SHIFT WRITTEN EXAM

CONTESTANT # _____

SCORE _____
(5 POINTS EACH CORRECT MAX = 100)

NAME _____

1. (A) (B) (C) (D)	10. (A) (B) (C) (D)	19. (A) (B) (C) (D)
2. (A) (B) (C) (D)	11. (A) (B) (--) (--)	20. (A) (B) (C) (D)
3. (A) (B) (C) (D)	12. (A) (B) (C) (D)	
4. (A) (B) (C) (D)	13. (A) (B) (--) (--)	
5. (A) (B) (--) (--)	14. (A) (B) (C) (D)	
6. (A) (B) (C) (D)	15. (A) (B) (C) (D)	
7. (A) (B) (C) (D)	16. (A) (B) (C) (D)	
8. (A) (B) (C) (D)	17. (A) (B) (C) (D)	
9. (A) (B) (C) (D)	18. (A) (B) (C) (D)	

WKMI 2014 KY STATE PRE-SHIFT WRITTEN EXAM

CONTESTANT # _____

SCORE _____
(5 POINTS EACH CORRECT MAX = 100)

NAME _____

1. (A) (B) (C) (D)	10. (A) (B) (C) (D)	19. (A) (B) (C) (D)
2. (A) (B) (C) (D)	11. (A) (B) (C) (D)	20. (A) (B) (C) (D)
3. (A) (B) (C) (D)	12. (A) (B) (C) (D)	
4. (A) (B) (C) (D)	13. (A) (B) (C) (D)	
5. (A) (B) (C) (D)	14. (A) (B) (C) (D)	
6. (A) (B) (C) (D)	15. (A) (B) (C) (D)	
7. (A) (B) (C) (D)	16. (A) (B) (C) (D)	
8. (A) (B) (C) (D)	17. (A) (B) (C) (D)	
9. (A) (B) (C) (D)	18. (A) (B) (C) (D)	

WKMI 2014 Pre-shift KY STATE WRITTEN EXAM

1. In all designated escapeways, each operator shall provide lifeline cords from _____
_____ the loading point. KRS 352.135
 - A. inby
 - B. outby
 - C. adjacent to
 - D. with-in one (1) crosscut

2. A certified _____ or some other supervisory personnel appointed by the mine foreman shall supervise all mantrips. KRS 352.150 (17)
 - A. miner
 - B. foreman
 - C. official
 - D. mechanic

3. The licensee or superintendent of every underground mine shall install a _____
_____ system of checking the employees in and out of the mine. KRS 352.070
 - A. electronic
 - B. manual
 - C. permanent
 - D. uniform

4. Where workmen are exposed to danger from falls of roof, face, and ribs they shall examine and test the roof, face, and ribs before any other work is performed or machinery is started, and as frequently thereafter as may be necessary to insure safety. When dangerous conditions are found they shall be _____
immediately. KRS 352.201 (5)
 - A. dangered out
 - B. reported
 - C. corrected
 - D. all of the above

WKMI 2014 Pre-shift KY STATE WRITTEN EXAM

5. The mine superintendent, mine manager, mine foreman, and assistant mine foreman shall be held jointly responsible for the immediate compliance with the provisions of KRS Chapter 351 and KRS Chapter 352. KRS 352.350 (3)
- A. TRUE
 - B. FALSE
6. The mine foreman shall see that _____ directing the way to outlets or escapeways are conspicuously placed throughout the mine. KRS 352.360 (3)
- A. lifelines
 - B. reflectors
 - C. maps
 - D. signboards
7. The licensee, superintendent, or mine manager shall cooperate with the mine foreman and other officials in the fulfillment of their duties under KRS Chapter 352 & KRS Chapter 352, and shall direct that the mine foreman and all other employees under him comply with the law, especially when his attention is called by the _____ or by the Commissioner to any violations of the laws. KRS 352.410 (3)
- A. Mine Inspector
 - B. Mine Examiner
 - C. Certified Miner
 - D. Safety Director
8. _____ man doors, installed after June 16, 1976, shall be at least thirty (30) square inches or the height of the coal seam. KRS 352.360 (4)
- A. Intake
 - B. Escapeway
 - C. Hinged
 - D. none of the above

WKMI 2014 Pre-shift KY STATE WRITTEN EXAM

9. Primary telephones or two-way communications systems and lines shall be located in the intake air course or _____ entry. KRS 352.360 (4)
- A. neutral
 - B. belt
 - C. supply road
 - D. adjacent
10. No licensee, operator, mine superintendent, mine manager, or other supervisory personnel shall terminate or otherwise discipline a miner for reporting or documenting to or cooperating with regulatory agencies in their investigation of _____ mining practices or conditions or violations of provisions of KRS chapter 351 or 352. KRS 352.660
- A. unsafe
 - B. unusual
 - C. dangerous
 - D. hazardous
11. The quantity of ventilating air in mine workings where diesel machines are operated shall be measured once during each working shift and a record of each measurement shall be kept in a book provided for this purpose. KAR 805 Chapter 2 Section #3-3
- A. TRUE
 - B. FALSE
12. Engine intake and exhaust systems shall be _____ at least once each working shift. KAR 805 Chapter 2 Section 5-2
- A. measured
 - B. sampled
 - C. analyzed
 - D. inspected visually

WKMI 2014 Pre-shift KY STATE WRITTEN EXAM

13. Liquid carbon dioxide or pressurized dry-chemical fire extinguishers shall be installed at *underground repair shops, machine barns, and fuel storage compartments*. KAR 805 Chapter 2 Section 11
- A. False
 - B. True
14. A supply of _____ or other incombustible material shall be kept in underground repair shops and machine storage barns to aid in firefighting and to absorb diesel fuel or lubricants. KAR 805 Chapter 2 Section 12-4
- A. rock dust
 - B. oil dry
 - C. sand
 - D. sweeping compound
15. Additional roof support shall be installed where the width of the opening specified in the roof control plan is exceeded by more than _____.
- KAR 805 Chapter 5 Section 2-5
- A. one inch
 - B. six inches
 - C. eighteen inches
 - D. twelve inches
16. During manual installation of temporary support, the first temporary shall not be set more than _____ from a permanent roof support and the ribs.
- KAR 805 Chapter 5 Section 9-1B
- A. five feet
 - B. four feet
 - C. three feet
 - D. arm's length

WKMI 2014 Pre-shift KY STATE WRITTEN EXAM

17. At points where the passageway to the escape outlet is intersected by roadways or entries calculated to produce doubt as to the proper direction to the outlet, conspicuous _____ shall be placed indicating the direction to escape outlets. KRS 352.120 (4)
- A. directional indicators
 - B. lifelines
 - C. reflectors
 - D. signboards
18. A mine operator shall provide an MSHA approved, handheld, multi-gas detection that can measure _____ to each group of two (2) or more miners working in close proximity of each other underground, the foreman, fire boss and to each person who works alone, such as pumpers, examiners, and outby miners. KRS 352.170 (2)
- A. Methane, Oxygen & Carbon Monoxide
 - B. Methane, Oxygen & Carbon Dioxide
 - C. Methane, Oxygen & Nitrogen Dioxide
 - D. Methane & Oxygen
19. Suitable firefighting equipment shall be located at _____ points along the belt conveyor and proper fire extinguishers shall be provided at the transfer points. KRS 352.220 1-M
- A. Dangerous
 - B. Hazardous
 - C. Tight
 - D. Strategic
20. Oil and grease used in the mines shall be taken into the mine day by day with _____ supply being the maximum. KRS 352.270
- A. one day
 - B. one week
 - C. one month
 - D. one shift

WKMI 2014 PRE-SHIFT NATIONAL WRITTEN EXAM

CONTESTANT # _____ SCORE _____

NAME _____

1. (A) (B) (C)	10. (A) (B) (C)
2. (A) (B) (C)	
3. (A) (B) (C)	
4. (A) (B) (C)	
5. (A) (B) (C)	
6. (A) (B) (C)	
7. (A) (B) (C)	
8. (A) (B) (C)	
9. (A) (B) (C)	

WKMI 2014 PRE-SHIFT NATIONAL WRITTEN EXAM

CONTESTANT # _____ SCORE _____

NAME _____

1. (A) (B) (C)	10. (A) (B) (C)
2. (A) (B) (C)	
3. (A) (B) (C)	
4. (A) (B) (C)	
5. (A) (B) (C)	
6. (A) (B) (C)	
7. (A) (B) (C)	
8. (A) (B) (C)	
9. (A) (B) (C)	

WKMI 2014 Pre-shift NATIONAL WRITTEN EXAM

1. The maximum 8 hour exposure level for carbon monoxide is _____.
(MSHA 3028 p. 2-9)
 - A. 25 ppm
 - B. 50 ppm
 - C. 100 ppm

2. The results of the preshift examination must be recorded in a book, provided for that purpose on the surface, before any persons other than the _____ may enter any underground areas. (30 CFR 75.360(g))
 - A. certified persons
 - B. certified miners
 - C. mine management

3. All fire suppression devices shall be visually inspected at least once each _____ by a person qualified to make such inspections. (30 CFR 75.1107-16(a))
 - A. month
 - B. day
 - C. week

4. The results of preshift examinations may be called out to a _____ person on the surface, or carried to the surface by the examiner. (30 CFR 75.360).
 - A. certified
 - B. trained
 - C. responsible

5. The operator must maintain a _____ foot diameter barrier around oil and gas wells, unless a lesser barrier consistent with State laws and regulations is approved. (30 CFR 75.1700)
 - A. 200
 - B. 300
 - C. 500

6. Each _____ evacuation training and drill shall include recognizing when the SCSR is not functioning properly and demonstrating how to initiate and reinstate the starting sequence. (30 CFR 75.1504(b)(2)(i))
 - A. monthly
 - B. quarterly
 - C. yearly

WKMI 2014 Pre-shift NATIONAL WRITTEN EXAM

7. The clearance space on all track haulage roads should be kept free of _____
_____, supplies and other loose materials. (30 CFR 75.1403-8(d))
- A. Loose coal
 - B. Loose rock
 - C. Rock dust
8. The map required by 75.1200 shall be kept up to date by _____
(30 CFR 75.1202)
- A. Mine management
 - B. Professional engineer's
 - C. Temporary notations
9. When 1 percent or more methane is present in a working _____ or intake air
course, no other work shall be permitted in the affected area until the methane
concentration is less than 1 percent. (30 CFR 75.323(a)(iii))
- A. face
 - B. place
 - C. section
10. The atmosphere in the sealed area is considered inert when the oxygen
concentration is less than 10 percent or the methane concentration is less than _____
percent or more than 20.0 percent. (30 CFR 75.336(b)(1))
- A. 1
 - B. 3
 - C. 5

OMSL & MSHA

COAL
FATALS AS OF
05/01/2014

Daniel Lambka
01-16-2014

Authur D.
Gelentser III
02-21-2014

Timothy W.
Memmer
03-25-2014



Judge

*On the behalf of the participants of this contest
THANK YOU for taking time to judge each and
every one fairly.*

*The memory of an accident that causes death,
haunts everyone and leaves the victim speechless.*

*Examinations are only as good as the
EXAMINER'S CONSCIENCE.*

*PRO-ACTIVE = PROPER PRESHIFT
EXAMINATIONS!!*

*PRAY FOR OUR MINERS, THEIR FAMILIES &
THE FAMILIES OF THOSE THAT HAVE
FALLEN!!*

Chief Judges

- Danny Hendrix
- Rodney James

FALLEN COAL MINERS



YOUR LIGHT STILL SHINES