

U.S. Department of Labor

Mine Safety and Health Administration
P.O. Box 25367
Denver, Colorado 80225



DENVER DISTRICT
METAL AND NONMETAL MINE SAFETY AND HEALTH

NOV 01 2022

October 24, 2022

Mr. Paul Marsh
Arizona State Mine Inspector
1700 W. Washington St. Suite 403
Phoenix, AZ 85007

Re: Part 48 Training Plan
Cooperative Training

Dear Mr. Marsh:

The revisions to the above referenced training plans filed per the provisions of 30 CFR Part 48 Subpart B (Surface) have been reviewed and approved. The revisions consisted of updating the complete training plan.

MSHA is requesting that all operators and contractors notify the District Office (zzmsaha-rm-training-notifications@dol.gov) at least 14 days prior to any scheduled "Annual Refresher" training, as per MSHA regulation 30 CFR 48.23(e).

Any future changes or revisions to your approved training plan must be submitted to and approved by the District Manager. If you have any questions, please contact the Educational Field and Small Mine Services office at (303)231-5434.

Sincerely,

A handwritten signature in blue ink, appearing to read "Pth D/C", written over a horizontal line.

Dustan Crelly
District Manager

En

**TRAINING PLAN FOR SURFACE MINERS
PART 48 – SUBPART B**

COMPANY NAME (Section 48.23 c (1)) ARIZONA STATE MINE INSPECTOR
 ADDRESS – MINE / AGENCY NAME 1700 W. WASHINGTON SUITE 403
 PHOENIX, ARIZONA 85007

**STATE MINE INSPECTOR
JAN 09 2024**

Person responsible for Health and Safety training at this mine (Section 48.23 c (2))

NAME	POSITION	TELEPHONE NUMBER
Paul D. Marsh	Arizona State Mine Inspector	602-542-5971

MSHA APPROVED INSTRUCTORS

Courses Qualified to instruct (Section 48.23 c (3)) – Annual Refresher / New Miner Inexperienced / First Aid – CPR – BBP

NAME	MIIN #	CODES
Ronald K. Weber	M98931443	IS, IN FA/CPR
Eulogio S. Aragon	M61511069	IS, FA/CPR
William Schifferns	M99570576	IS, FA/CPR
Karen M. Johnson	M65940134	IS, IU, MM, FA/CPR
Jody Martinez	M59977970	IS, IU, IN, FA/CPR
Tabitha McCray	M12103157	IS, FA/CPR

Locations where training conducted: (Section 48.23 c (4)) – Classrooms and Mine Facilities throughout the State of Arizona

NEW MINER INEXPERIENCED			
NEWLY HIRED EXPERIENCED MINERS			
ANNUAL REFRESHER			
MAX NUMBER OF TRAINEES PER TRAINING SESSION	AR – 40	NMI – 25	FA/CPR – 25
SURFACE NEWLY EMPLOYED INEXPERIENCED MINERS (24 HOURS TOTAL)			
48.25 Additional and expanded subject matter to be covered			
SURFACE NEWLY EMPLOYED EXPERIENCED MINERS – 48.26			
SURFACE ANNUAL REFRESHER – (8 HOURS TOTAL) 48.28			

Re-Submitted By:
 Ron Weber
 ASMI Education & Training Manager – 01/09/2024

**TRAINING PLAN FOR SURFACE MINERS
PART 48 – SUBPART B**

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Ronald K. Weber	M98931443	IS, IN FA/CPR
Eulogio S. Aragon	M61511069	IS, FA/CPR
Tim Evans	M44427986	IS, IU, MR, FA/CPR
John Stanford	M71554266	IS, IU, FA/CPR
William Schifferns	M99570576	IS, FA/CPR
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Re-Submitted By:

Ron Weber

ASMI Education & Training Manager – 11/17/2023

NOV 01 2022

TRAINING PLAN FOR SURFACE MINERS PART 48 – SUBPART B

COMPANY NAME (Section 48.23 c (1))
ADDRESS – MINE / AGENCY NAME

ARIZONA STATE MINE INSPECTOR
1700 W. WASHINGTON SUITE 403
PHOENIX, ARIZONA 85007

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Re-Submitted By:

Ron Weber

ASMI Education & Training Manager -- 11/3/2021

NOV 04 2022

USDOL-MS-IA-MNM
ROCKY MTN DIST. MGR

SURFACE

NEWLY EMPLOYED INEXPERIENCED MINERS

(24 HOURS TOTAL)

48.25

SUBJECT AND HOURS	OBJECTIVES	TEACHING METHODS	COURSE MATERIAL	EVALUATION METHODS
Statutory Rights of Miners Sec. 48.25 (b) (1) Hours: As Required	*Able to list all major miner rights and those of representative of miners. *Able to name the responsibility of their agents. *Able to relate the principal features of the safety program and know where to find the particulars.	Lecture / Discussion Handout - Guide to Miners Rights and Responsibilities	MSHA - Federal Mine Safety and Health Act - 1969 / 1977 Code of Federal Regulations (CFR) Title 30 Guide to Miners Rights and Responsibilities DVD / PPP / Audio Visuals	Oral Response / Discussion / Question & Answers / Written review (test) in all areas as appropriate
Respiratory Protection Sec. 48.25 (b) (2) Hours: As Required	*Discuss and explain the importance of Respiratory Protection, the proper use and maintenance, the different types and selection of respirators and their use for specific jobs.	Lecture / Discussion Hands-on Demonstration with types of respirators.	Types of Respirators DVD / PPP / Audio Visuals	Demonstrate / Discussion / Oral Review
Transportation Controls and Communication Systems Sec. 48.25 (b) (3) Hours: As Required	*Review and explain different types of Mine Traffic Controls. Discuss General Mine Emergency Phones, Numbers, Locations and Emergency Procedures. Discuss Rules and Restrictions of driving and riding in mine vehicles.	Lecture / Discussion	General Mine Policies and Procedures - Different Mine Communication Systems and Equipment. DVD / PPP / Audio Visuals	Oral Response and Performance
Introduction to Work Environment Sec. 48.25 (b) (4) Hours: As Required	The course shall include a visit and tour of the mine, or portions of the mine which are representative of the entire mine. The method of mining or operation utilized shall be observed and explained	Discussion Demonstration, Tour of Mine	Different types of Mining Equipment and the Mining Process	Oral Response & Observation
Escape & Emergency Evacuation Plans Fire Warning & Fire Fighting Sec. 48.25 (b) (5) Hours: As Required	*Discuss and explain General Mine Evacuation Systems. Identify and Discuss Fire Warning Signals, general locations of fire equipment, types of extinguishers and their proper use.	Lecture / Discussion and Demonstration	General Mine Policies and Procedures - Different Mine Communication Systems and Equipment. DVD / PPP / Audio Visuals	Oral Response & Performance

APPROVE

PART 48 - SURFACE

NEWLY EMPLOYED INEXPERIENCED MINERS

24 HOURS TOTAL

48.25

SUBJECT AND HOURS	OBJECTIVES	TEACHING METHODS	COURSE MATERIALS	EVALUATION METHODS
GROUND CONTROL & VENTILATION PLANS SEC. 48.25 (B) (6) HOURS: AS REQUIRED	*DISCUSS & EXPLAIN GENERAL MINE RULES, POLICIES & PROCEDURES FOR INSPECTING & WORKING AROUND HIGH WALL AREAS. LIST & DISCUSS ASSOCIATED HAZARDS & WAYS TO CONTROL THEM. DISCUSS ALL HAZARDS CONNECTED WITH NIGHT WORK.	LECTURE / DISCUSSION DEMONSTRATION	GENERAL MINE POLICIES & PROCEDURES - DIFFERENT MINE COMMUNICATION SYSTEMS & EQUIPMENT DVD / PPP AUDIO VISUALS	ORAL RESPONSE / DISCUSSION
HEALTH SEC. 48.25 (B) (7) HOURS: AS REQUIRED	*EXPLAIN NOISE & DUST CONTROL PLANS IN EFFECT. *EXPLAIN PROTECTIVE MEASURES REQUIRED. *EXPLAIN WHY SILICA DUST IS ESPECIALLY HAZARDOUS.	LECTURE / DISCUSSION	FEDERAL MINE SAFETY & HEALTH ACT - 1977 APPLICABLE DVD / PPP AUDIO VISUALS	ORAL RESPONSE / DISCUSSION
HAZARD RECOGNITION SEC. 48.25 (B) (8) HOURS: AS REQUIRED	*LIST & DISCUSS THE MOST COMMON TYPES OF ACCIDENTS & DISCRIBE PROCEDURES FOR PREVENTING THEM.	LECTURE / DISCUSSION	ACCIDENT / FATALGRAMS SAFETY REPORTS & MANUALS / DVD / PPP / AUDIO VISUALS	ORAL RESPONSE / DISCUSSION
ELECTRICAL HAZARDS SEC. 48.25 (B) (9) HOURS: AS REQUIRED	*IDENTIFY & DISCUSS COMMON ELECTRICAL HAZARDS & DANGERS. DISCUSS THE IMPORTANCE OF KNOWING & FOLLOWING THE ELECTRICAL "LOCK OUT - TAG OUT PROCEDURES.	LECTURE / DISCUSSION	SAFETY MATERIALS & DVD / PPP AUDIO VISUALS	ORAL RESPONSE / DISCUSSION
BASIC FIRST AID / CPR SEC. 48.25 (B) (10) HOURS: AS REQUIRED	*DISCUSS, EXPLAIN & DEMONSTRATE BASIC FIRST AID RULES & PROCEDURES USED IN THE EVENT OF INJURY. DEMONSTRATE THE USE OF BASIC FIRST AID MATERIALS. KNOW OF GENERAL MINE LOCATIONS OF DISPENSARY. DEMONSTRATE UPDATED CPR TECHNIQUES.	LECTURE / DISCUSSION ON HANDS DEMONSTRATION WITH CPR MANIKINS	BASIC FIRST AID EQUIPMENT & HANDOUT MATERIALS DVD / PPP AUDIO VISUALS	ORAL RESPONSE / DISCUSSION
EXPLOSIVES SEC. 48.25 (B) (11) HOURS: AS REQUIRED	*KNOW BLASTING PROCEDURES & SIGNALS. *STATE SAFETY RULES OF FOLLOW WHEN WORKING NEAR EXPLOSIVES. *EXPLAIN POST BLAST PROCEDURES.	LECTURE / DISCUSSION	SAFETY MANUALS & PROCEDURES / DEMOS DVD / PPP / VISUAL	ORAL RESPONSE / DISCUSSION QUESTIONS & ANSWERS
HEALTH & SAFETY ASPECTS OF THE TASKS TO WHICH ASSIGNED. HAZCOM SEC. 48.25 (B) (12) HOURS: AS REQUIRED	*DISCUSS THE DIFFERENT TYPES OF MINE HAZARDS & WORK ENVIRONMENTS MINERS MAY ENCOUNTER IN THEIR WORK ASSIGNED AREAS. DISCUSS SAFE WORK PROCEDURES, RESPONSIBILITIES & SAFETY & HEALTH STANDARDS APPLICABLE TO THEIR DIFFERENT JOB AREAS THEY MAY BE ASSIGNED TO. DISCUSS & REVIEW CHEMICALS & PROTECTIVE MEASURES A MINER CAN TAKE AGAINST THESE HAZARDS. REVIEW CONTENTS OF MINE HAZARD COMMUNICATION PROGRAMS	LECTURE / DISCUSSION	FEDERAL MINE SAFETY & HEALTH ACT 1977 / CODE OF FEDERAL REGULATIONS CFR STANDARDS / MINE POLICIES / PROCEDURES PPE / HAZCOM PROGRAMS & SDS'S	ORAL RESPONSE / DISCUSSION

APPROVED

PART 48 - SURFACE

NEWLY EMPLOYED INEXPERIENCED MINERS

24 HOURS TOTAL

SUBJECT AND HOURS	OBJECTIVES	TEACHING METHODS	COURSE MATERIALS	EVALUATION METHODS
HISTORY OF MINING IN THE UNITED STATES & ARIZONA	*DISCUSS THE ACCOMPLISHMENT & STRUGGLES OF "MINERS"	LECTURE / DISCUSSION	DVD / PPP / AUDIO VISUAL	ORAL RESPONSE / DISCUSSION
EVOLUTION OF FEDERAL BUREAU OF MINES - MSHA	*REVIEW & DISCUSSION	LECTURE / DISCUSSION	DVD / PPP / AUDIO VISUAL HANDOUTS	
FEDERAL MINE SAFETY & HEALTH ACT OF 1969 & 1977	*REVIEW & DISCUSSION	LECTURE / DISCUSSION	FEDERAL MINE ACT OF 1969 & REVISION OF 1977	
CFR - CODE OF FEDERAL REGULATIONS	*REVIEW & DISCUSSION OF FEDERAL MINE SAFETY STANDARDS - PART 56 & 57 - 48 & 46	LECTURE / DISCUSSION	EXAMPLES ON HOW STANDARDS & CITATIONS	
MINERS RIGHTS & RESPONSIBILITIES	*REVIEW & DISCUSSION	LECTURE / DISCUSSION		
MINING FATALITIES, CAUSES & PREVENTION	*REVIEW MINE ACCIDENTS, FATALGRAMS & INVESTIGATIVE REPORTS.	LECTURE / DISCUSSION	DVD / PPP / AUDIO VISUAL FATALGRAMS & REPORTS	ORAL RESPONSE / DISCUSSION
MSHA & ASMI SAFETY PROGRAMS & INITIATIVES	*REVIEW & DISCUSS - "SLAM" "RULES TO LIVE BY" WORKPLACE INSPECTIONS - DRUG FREE WORKPLACE ABANDONED MINES AWARENESS	LECTURE / DISCUSSION	DVD / PPP / AUDIO VISUAL	ORAL RESPONSE / DISCUSSION
MINING CODE OF THE STATE OF ARIZONA / REVISED STATUTES, RULES & REGULATIONS (ARS)	*REVIEW & DISCUSSION OF REVISED STATUTES RULES & REGULATIONS & CITATIONS	LECTURE / DISCUSSION	DVD / PPP / AUDIO VISUAL	ORAL RESPONSE / DISCUSSION
BASIC MINING OPERATIONS: TYPES, TERMS & DEFINITIONS	*REVIEW & DISCUSSION DIFFERENT MINES IN THE UNITED STATES & WORLD	LECTURE / DISCUSSION	DVD / PPP / AUDIO VISUAL	ORAL RESPONSE / DISCUSSION
MINES IN ARIZONA	*REVIEW & DISCUSSION DIFFERENT TYPES ON MINING OPERATIONS IN ARIZONA - OPEN PIT, UNDERGROUND, AGGREGATES	LECTURE / DISCUSSION	DVD / PPP / AUDIO VISUAL	ORAL RESPONSE / DISCUSSION

APPROVED

PART 48 - SURFACE

NEWLY EMPLOYED INEXPERIENCED MINERS 24 HOURS TOTAL
 ADDITIONAL SUBJECT MATTER TO BE COVERED

SUBJECT AND HOURS	OBJECTIVES	TEACHING METHODS	COURSE MATERIALS	EVALUATION METHODS
ENVIRONMENTAL & RECLAMATION REQUIREMENTS		LECTURE / DISCUSSION	DVD / PPP / AUDIO VISIALS	ORAL RESPONSE / DISCUSSION
CONTRACTORS ON MINE SITES		LECTURE / DISCUSSION	CFR TITLE 30	ORAL RESPONSE / DISCUSSION
ADDITIONAL INFORMATION	DVD'S / POWERPOINTS / GAME PRESENTATIONS			
GENERAL MINE SAFETY	SAFETY ORIENTATION "ON ALERT" MSHA "WORKPLACE EXAMINATION SURFACE METAL NONMETAL" JOB SAFETY ANALYSIS "PRO ACTIVE PLANNING" COMPLACENT THOUGHT "JUST ANOTHER DAY" SEAT BELT USAGE "SEAT BELTS SAVE LIVES" SAFE OPERATION OF MOBILE EQUIPMENT	LECTURE / DISCUSSION	DVD / PPP / AUDIO VISIALS	ORAL RESPONSE / DISCUSSION
SUBSTANCE ABUSE	SUBSTANCE ABUSE "AWARENESS AND INTERVENTION" "STEP UP TO THE PLATE"	LECTURE / DISCUSSION	DVD / PPP / AUDIO VISIALS	ORAL RESPONSE / DISCUSSION
ELECTRICAL SAFETY	ACCIDENT REINACTMENTS "LOOK OUT FOR LIFE" "LOCK OUT TAG OUT - LIGHTNING IN A BOTTLE" ARC FLASH "SAFETY AWARENESS" FATAL SHOCK "ELECTRICAL CASE HISTORIES"	LECTURE / DISCUSSION	DVD / PPP / AUDIO VISIALS	ORAL RESPONSE / DISCUSSION
FALL PROTECTION	FALL PROTECTION "THE RIGHT CONNECTION"	LECTURE / DISCUSSION	DVD / PPP / AUDIO VISIALS	ORAL RESPONSE / DISCUSSION
HEARING PROTECTION	HEARING PROTECTION "IT SOUNDS GOOD TO ME"	LECTURE / DISCUSSION	DVD / PPP / AUDIO VISIALS	ORAL RESPONSE / DISCUSSION
RESPIRATORY PROTECTION	RESPIRATORY SAFETY "PUBIC KNOWLEDGE"	LECTURE / DISCUSSION	DVD / PPP / AUDIO VISIALS	ORAL RESPONSE / DISCUSSION

APPROVED

PART 48 - SURFACE

NEWLY EMPLOYED INEXPERIENCED MINERS 24 HOURS TOTAL
 ADDITIONAL SUBJECT MATTER TO BE COVERED

SUBJECT AND HOURS	OBJECTIVES	TEACHING METHODS	COURSE MATERIALS	EVALUATION METHODS
ADDITIONAL INFORMATION	DVD'S / POWERPOINTS / GAME PRESENTATIONS			
MACHINE GUARDING	"SAFEGUARD YOUR LIFE"	LECTURE / DISCUSSION	DVD / PPP / AUDIO VISIALS	ORAL RESPONSE / DISCUSSION
PERSONAL PROTECTIVE EQUIPMENT	PPE "REAL REAL LIFE" "DON'T START WORK WITHOUT IT"	LECTURE / DISCUSSION	DVD / PPP / AUDIO VISIALS	ORAL RESPONSE / DISCUSSION
CONFINED SPACE	CONFINED SPACE ENTRY "PLAN & PREPARE"	LECTURE / DISCUSSION	DVD / PPP / AUDIO VISIALS	ORAL RESPONSE / DISCUSSION
BASIC FIRST AID / CPR	FIRST AID "PREPARE TO HELP" MEDICAL EMERGENCIES" "CPR & AED" "BLOODBORNE PATHOGENS" "MRSA AWARENESS" "HEAT STRESS - "SEEING RED"	LECTURE / DISCUSSION	DVD / PPP / AUDIO VISIALS	ORAL RESPONSE / DISCUSSION
FIRE & EMERGENCY	FIRE SAFETY "ALERT AWARE ALIVE" FIRE SAFETY " REAL REAL LIFE"	LECTURE / DISCUSSION	DVD / PPP / AUDIO VISIALS	ORAL RESPONSE / DISCUSSION

APPROVED

SURFACE

NEWLY EMPLOYED EXPERIENCED MINERS -

48.26

SUBJECT AND HOURS	OBJECTIVES	TEACHING METHODS	COURSE MATERIAL	EVALUATION METHODS
Introduction to the work Environment Sec. 48.26 (b) (1) Hours: As Required	Able to explain the mining method used. Observe mining in progress. Tour the mine	Discussion, Demonstration, Tour of	Mine and Mining Equipment	Oral Response/Discussion
Mandatory Health and Safety Standards Sec. 48.26 (b) (2) Hours: As Required	*Identify and explain the mandatory issues and materials pertinent to mining tasks which may be assigned	Lecture / Discussion	CFR Title 30	Oral Response / Discussion Questions & Answers Training Review
Authority and Responsibility of Supervisors and Miners Representatives Sec. 48.26 (b) (3) Hours: As Required	*State the line of authority of supervisors and miners' representatives and indicate the responsibility of each. *Demonstrate knowledge of general mine rules and procedures and explain proper procedures for reporting hazards.	Lecture / Discussion	MSHA Act of 1977 DVD / PPP / Audio Visuals	Oral Response / Discussion
Transportation Controls and Communication Systems Sec. 48.26 (b) (4) Hours: As Required	*Review and explain different types of Mine Traffic Controls. Discuss General Mine Emergency Phones, Numbers,	Lecture / Discussion	DVD / PPP / Audio Visuals	Oral Response / Discussion
Escape and Emergency Evacuation Plans; fire warning and fire fighting. Sec. 48.26 (b) (5) Hours: As Required	*Be able to explain general mine evacuation systems. *Identify fire warning and evacuation procedures. *Learn to identify general location for fire fighting equipment and the types and use of different fire extinguishers.	Lecture / Discussion	General mine safety rules, procedures and mine communication equipment. DVD / PPP / Audio Visuals	Oral Response / Discussion
Ground Controls, working in areas of high walls, pits and spoil banks. Sec. 48.26 (b) (6) Hours: As Required	*Identify and explain the mandatory issues and materials pertinent to mining tasks which miners may be assigned to. Identify and list associated hazards including hazards	Lecture / Discussion	General Mine Policies and Procedures DVD / PPP / Audio Visuals	Oral Response / Discussion

APPROVED

PART 48 - SURFACE

NEWLY EMPLOYED EXPERIENCED MINERS

48.26

SUBJECT AND HOURS	OBJECTIVES	TEACHING METHODS	COURSE MATERIALS	EVALUATION METHODS
HAZARD RECOGNITION SEC. 48.26 (B) (7) HOURS: AS REQUIRED	*LIST MOST COMMON TYPES OF ACCIDENTS & DESCRIBE PROCEDURES FOR PREVENTING THEM.	LECTURE / DISCUSSION	GENERAL MINE POLICES & PROCEDURES DVD / PPP / AUDIO VISUALS	ORAL RESPONSE / DISCUSSION
PREVENTION OF ACCIDENTS SEC. 48.26 (B) (8) HOURS: AS REQUIRED	*REVIEW FATALGRAMS & CAUSES OF ACCIDENTS, NEAR MISSES & RESULTING INJURIES. WILL DISCUSS MEASURES FOR PREVENTING ACCIDENTS.	LECTURE / DISCUSSION	MSHA FATALGRAMS & REPORTS DVD / PPP / AUDIO VISUALS	ORAL RESPONSE / DISCUSSION
EMERGENCY MEDICAL PROCEDURES SEC. 48.26 (B) (9) HOURS: AS REQUIRED	*REVIEW & DISCUSS GENERAL MINE RULES, REGULATIONS & EMERGENCY MEDICAL ARRANGEMENTS & PROCEDURES.	LECTURE / DISCUSSION	GENERAL MINE POLICES & PROCEDURES DVD / PPP / AUDIO VISUALS	ORAL RESPONSE / DISCUSSION
HEALTH SEC. 48.26 (B) (10) HOURS: AS REQUIRED	*EXPLAIN NOISE & DUST CONTROL PLANS IN EFFECT. *EXPLAIN PROTECTIVE MEASURES REQUIRED. *EXPLAIN WHY SILICA DUST IS ESPECIALLY HAZARDOUS.	LECTURE / DISCUSSION	MSHA FEDERAL MINE ACT OF 1977 APPLICABLE DEVICES DVD / PPP / AUDIO VISUALS	ORAL RESPONSE / DISCUSSION
HEALTH & SAFETY ASPECTS OF TASKS TO WHICH THE EXPERIENCED MINER IS ASSIGNED. HAZARD COMMUNICATION SEC. 48.26 (B) (11) HOURS: AS REQUIRED	*REVIEW & DISCUSS INFORMATION ABOUT THE PHYSICAL & HEALTH HAZARDS OF CHEMICALS IN THE MINER'S WORK AREA. DISCUSS PROTECTIVE MEASURES A MINER CAN TAKE AGAINST THESE HAZARDS & CONTENTS OF GENERAL MINE HAZCOM PROGRAMS.	LECTURE / DISCUSSION	GENERAL MINE POLICES & PROCEDURES. PPE SAFE WORK PROCEDURES SDS COPIES	ORAL RESPONSE / DISCUSSION

APPROVED

PART 48 - SURFACE

ANNUAL REFRESHER

(8 HOURS TOTAL)

48.28

SUBJECT AND HOURS	OBJECTIVES	TEACHING METHODS	COURSE MATERIALS	EVALUATION METHODS
MANDATORY HEALTH & SAFETY STANDARDS SEC. 48.28 (B) (1) HOURS: AS REQUIRED	*DISCUSS & REVIEW HEALTH & SAFETY STANDARDS APPLICABLE TO WORK ASSIGNMENTS & TASKS AT THE MINE SITE.	LECTURE / DISCUSSION	CFR - TITLE 30 DVD / PPP / AUDIO VISUALS	ORAL RESPONSE / DISCUSSION
TRANSPORTATION CONTROLS & COMMUNICATION SYSTEMS SEC. 48.28 (B) (2) HOURS: AS REQUIRED	*REVIEW & EXPLAIN DIFFERENT TYPES OF MINE TRAFFIC CONTROLS. DISCUSS GENERAL MINE EMERGENCY PHONES, NUMBERS, LOCATIONS & EMERGENCY PROCEDURES. DISCUSS RULES & RESTRICTIONS OF DRIVING & RIDING IN MINE VEHICLES.	LECTURE / DISCUSSION	GENERAL MINE SAFETY RULES, PROCEDURES & MINE COMMUNICATION EQUIPMENT. DVD / PPP / AUDIO VISUALS	ORAL RESPONSE / DISCUSSION
ESCAPE & EMERGENCY EVACUATION PLANS, FIRE WARNING & FIRE FIGHTING. SEC. 48.28 (B) (3) HOURS: AS REQUIRED	*BE ABLE TO EXPLAIN GENERAL MINE EVACUATION SYSTEMS. *IDENTIFY FIRE WARNING & EVACUATION PROCEDURES. *LEARN TO IDENTIFY GENERAL LOCATION FOR FIRE FIGHTING EQUIPMENT & THE TYPES & USE OF DIFFERENT FIRE EXTINGUISHERS.	LECTURE / DISCUSSION	GENERAL MINE SAFETY RULES, PROCEDURES & MINE COMMUNICATION EQUIPMENT. DVD / PPP / AUDIO VISUALS	ORAL RESPONSE / DISCUSSION
GROUND CONTROL: WORKING AREAS OF HIGH WALLS, WATER HAZARDS, PITS & SPOIL BANKS. ILLUMINATION & NIGHT WORK. SEC. 48.28 (B) (4) HOURS: AS REQUIRED	*DISCUSS & EXPLAIN GENERAL MINE RULES, POLICIES & PROCEDURES FOR INSPECTING & WORKING AROUND HIGH WALL AREAS. LIST & DISCUSS ASSOCIATED HAZARDS & WAYS TO CONTROL THEM. DISCUSS ALL HAZARDS CONNECTED WITH NIGHT WORK.	LECTURE / DISCUSSION	GENERAL MINE SAFETY RULES, PROCEDURES & MINE COMMUNICATION EQUIPMENT. DVD / PPP / AUDIO VISUALS	ORAL RESPONSE / DISCUSSION
FIRST AID SEC. 48.28 (B) (5) HOURS: AS REQUIRED	*DISCUSS, EXPLAIN & DEMONSTRATE BASIC FIRST AID RULES & PROCEDURES USED IN THE EVENT OF AN INJURY. DEMONSTRATE THE USE OF BASIC FIRST AID MATERIALS. KNOW OF GENERAL MINE LOCATIONS OF DISPENSARY. REVIEW & DEMONSTRATE UPDATED CPR TECHNIQUES.	LECTURE / DISCUSSION DEMONSTRATE	BASIC FIRST AID EQUIPMENT. CPR MANIKINS DVD / PPP / AUDIO VISUALS	ORAL RESPONSE / DISCUSSION DEMONSTRATION

APPROVED

PART 48 - SURFACE

ANNUAL REFRESHER

(8 HOURS TOTAL)

48.28

SUBJECT AND HOURS	OBJECTIVES	TEACHING METHODS	COURSE MATERIALS	EVALUATION METHODS
ELECTRICAL HAZARDS SEC. 48.28 (B) (6) HOURS: AS REQUIRED	*IDENTIFY COMMON ELECTRIC HAZARDS & EXPLAIN THE PROCEDURES & IMPORTANCE OF "LOCK OUT TAG OUT"	LECTURE / DISCUSSION	DVD / PPP / AUDIO VISUALS	ORAL RESPONSE / DISCUSSION
PREVENTION OF ACCIDENTS. SEC. 48.28 (B) (7) HOURS: AS REQUIRED	*REVIEW FATALGRAMS & CAUSES OF ACCIDENTS, NEAR MISSES & RESULTING INJURIES. WILL DISCUSS MEASURES FOR PREVENTING ACCIDENTS.	LECTURE / DISCUSSION	MSHA FATALGRAMS & REPORTS DVD / PPP / AUDIO VISUALS	ORAL RESPONSE / DISCUSSION
HEALTH SEC. 48.28 (B) (8) HOURS: AS REQUIRED	*EXPLAIN NOISE & DUST CONTROL PLANS IN EFFECT. *EXPLAIN PROTECTIVE MEASURES REQUIRED. *EXPLAIN WHY SILICA DUST IS ESPECIALLY HAZARDOUS.	LECTURE / DISCUSSION	MSHA FEDERAL MINE ACT OF 1977 DVD / PPP / AUDIO VISUALS	ORAL RESPONSE / DISCUSSION
EXPLOSIVES SEC. 48.28 (B) (9) HOURS: AS REQUIRED	*REVIEW GENERAL MINE BLASTING PROCEDURES & SIGNALS. FEDERAL & STATE RULES & REGULATIONS AND WORKING WITH AND NEAR EXPLOSIVES & POST BLAST PROCEDURES.	LECTURE / DISCUSSION	FEDERAL STANDARDS DVD / PPP / AUDIO VISUALS	ORAL RESPONSE / DISCUSSION
RESPIRATORY DEVICES SEC. 48.28 (B) (10) HOURS: AS REQUIRED	*REVIEW THE IMPORTANCE & USE OF RESPIRATORY EQUIPMENT. OF RESPIRATORS.	LECTURE / DISCUSSION DEMONSTRATE	RESPIRATORS DVD / PPP / AUDIO VISUALS	ORAL RESPONSE / DISCUSSION DEMONSTRATION

ALL ANAUAL REFRESHER SUBJECTS WILL BE HELD FROM TEN MINUTES FROM TWO HOURS

APPROVED