

# Part 48 Training Program

## Optional Training Plan Format

### Metal/Nonmetal Surface Mines

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#### General Information - Part 48(b)

##### Company and mine (if applicable) names

ID: ARX79  
Company Name: Stone Brothers Inc.  
Street/P.O. Box: 13 Utah Drive/P.O. Box 29  
City: Darwin  
State: CA  
Zip Code: 93522  
Country: USA

##### Person responsible for health and safety training at the mine

Name: Jack Stone  
Title: Manager/President  
Phone Number: (775) 772-0446  
Email: zincmine@wildblue.net

##### MSHA approved instructors and courses each is qualified to teach

Name: Jack Stone  
MIIN:  
Course Code(s):  
Name:  
MIIN:  
Course Code(s):

##### Location(s) where training will be given

New Miner Training: Minesite / Offsite  
Experienced Miner Training: Minesite / Offsite  
Task Training: Minesite  
Annual Refresher Training: Minesite / Offsite  
Hazard Training: Minesite / Offsite

##### Number of miners and trainees

Approximate number of miners employed: 20  
Maximum number of trainees per training session: 25

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# New Miner Training Program - Part 48.25

Each new miner will receive no less than 24 hours of training as prescribed in this section.

## Section 48.25(b) Subjects

Applicable

**Request to train new miners after work assignment.**

**Do you request that part of new miner training be given after work assignment?**

No

### 1. Statutory rights of miners and their representatives under the Act; authority and responsibility of supervisors [§ 48.25(b)(1)]

Teaching Methods: Audio / video, Computer, Discussion, Lecture  
Course Materials: 1977 Mine Act, Applicable regulations, MSHA, Company, Company rules  
Evaluation Methods: Oral feedback, Written feedback

### 2. Self-rescue and respiratory devices [§ 48.25(b)(2)]

This subject is: Applicable  
Teaching Methods: Audio / video, Demonstration, Discussion, Lecture  
Course Materials: Company, Applicable regulations, MSHA, Vendor / manufacturer, Training devices  
Evaluation Methods: Fit test, Oral feedback, Observation, Written feedback

### 3. Transportation controls and communication systems [§ 48.25(b)(3)]

Teaching Methods: Audio / video, Demonstration, Discussion, Lecture  
Course Materials: Applicable regulations, Company, Warning signals / directional signs, MSHA, Mine communication systems  
Evaluation Methods: Observation, Oral feedback, Written feedback

### 4. Introduction to work environment [§ 48.25(b)(4)]

Teaching Methods: Site tour, Audio / video, Discussion, Lecture  
Course Materials: Applicable regulations, MSHA, Company  
Evaluation Methods: Oral feedback, Observation, Written feedback

### 5. Escape and emergency evacuation plans; firewarning and firefighting [§ 48.25(b)(5)]

Teaching Methods: Audio / video, Demonstration, Discussion, Lecture, Site tour  
Course Materials: Firewarning signals and firefighting procedures, Applicable regulations, MSHA, Mine escape system, Company, Escape and emergency evacuation plan  
Evaluation Methods: Oral feedback, Observation, Written feedback

### 6. Ground control; working in areas of highwalls, water hazards, pits and spoil banks; illumination and night work [§ 48.25(b)(6)]

Teaching Methods: Audio / video, Discussion, Lecture, Site tour  
Course Materials: Applicable regulations, Company, MSHA, Highwall plan, Ground control plan  
Evaluation Methods: Oral feedback, Written feedback

### 7. Health [§ 48.25(b)(7)]

Teaching Methods: Lecture, Discussion, Demonstration, Audio / video  
Course Materials: Dosimeters, Company, Applicable regulations, 1977 Mine Act, Dust control plan, Warning labels, Protective equipment, Health control plan, Material safety data sheets (MSDS), MSHA  
Evaluation Methods: Observation, Oral feedback, Written feedback

**8. Hazard recognition [§ 48.25(b)(8)]**

Teaching Methods: Audio / video, Discussion, Lecture, Site tour  
Course Materials: Applicable regulations, MSHA, Company  
Evaluation Methods: Oral feedback, Written feedback

**9. Electrical hazards [§ 48.25(b)(9)]**

Teaching Methods: Audio / video, Discussion, Lecture  
Course Materials: Applicable regulations, Company, MSHA, Lockout devices  
Evaluation Methods: Oral feedback, Written feedback

**10. First aid [§ 48.25(b)(10)]**

Teaching Methods: Audio / video, Demonstration, Discussion, Lecture  
Course Materials: Applicable regulations, Company, MSHA, First aid supplies  
Evaluation Methods: Oral feedback, Observation, Written feedback

**11. Explosives [§ 48.25(b)(11)]**

This subject is: Applicable  
Teaching Methods: Audio / video, Discussion, Lecture  
Course Materials: Applicable regulations, Company, Vendor / manufacturer, MSHA  
Evaluation Methods: Oral feedback, Written feedback

**12. Health and safety aspects of the tasks to which the new miner will be assigned [§ 48.25(b)(12)]**

Teaching Methods: Demonstration, Audio / video, Discussion, Lecture, Site tour  
Course Materials: Applicable regulations, Safe work procedures, Company, Protective equipment, MSHA, HazCom program, Material safety data sheets (MSDS)  
Evaluation Methods: Oral feedback, Observation, Written feedback

## Experienced Miner Training Program - Part 48.26

Each experienced miner will receive the training prescribed in this section before beginning work duties. When an experienced miner returns to mining after an absence of 5 years or more, the miner will receive at least 8 hours of training.

### Section 48.26(b) Subjects

Applicable

#### 1. Introduction to work environment [§ 48.26(b)(1)]

Teaching Methods:	Site tour, Audio / video, Discussion, Lecture
Course Materials:	Applicable regulations, Company, MSHA, Mine map, Mine equipment
Evaluation Methods:	Observation, Oral feedback, Written feedback

#### 2. Mandatory health and safety standards [§ 48.26(b)(2)]

Teaching Methods:	Audio / video, Demonstration, Discussion, Lecture, Site tour
Course Materials:	Applicable regulations, MSHA, Mine act, Company
Evaluation Methods:	Observation, Oral feedback, Written feedback

#### 3. Authority and responsibility of supervisors and miners' representatives [§ 48.26(b)(3)]

Teaching Methods:	Discussion, Audio / video, Lecture
Course Materials:	Company, Applicable regulations, Company organization chart, MSHA, Company reporting procedures for hazards, Mine act
Evaluation Methods:	Oral feedback, Written feedback

#### 4. Transportation controls and communication systems [§ 48.26(b)(4)]

Teaching Methods:	Demonstration, Audio / video, Discussion, Lecture
Course Materials:	Company, Applicable regulations, Mine communication systems, Warning signals / directional signs, Vendor / manufacturer, MSHA
Evaluation Methods:	Observation, Oral feedback, Written feedback

#### 5. Escape and emergency evacuation plans; firewarning and firefighting [§ 48.26(b)(5)]

Teaching Methods:	Discussion, Audio / video, Lecture, Site tour
Course Materials:	Applicable regulations, Firewarning signals and firefighting procedures, Company, MSHA, Mine escape system, Escape and emergency evacuation plan
Evaluation Methods:	Observation, Oral feedback, Written feedback

#### 6. Ground control; working in areas of highwalls, water hazards, pits and spoil banks; illumination and night work [§ 48.26(b)(6)]

Teaching Methods:	Audio / video, Discussion, Lecture, Site tour
Course Materials:	Applicable regulations, Company, MSHA, Highwall plan, Ground control plan
Evaluation Methods:	Oral feedback, Written feedback

#### 7. Hazard recognition [§ 48.26(b)(7)]

Teaching Methods:	Audio / video, Discussion, Lecture, Site tour
Course Materials:	Applicable regulations, MSHA, Blasting procedures, Company
Evaluation Methods:	Oral feedback, Written feedback

#### 8. Prevention of accidents [§ 48.26(b)(8)]

Teaching Methods:	Audio / video, Discussion, Lecture
Course Materials:	Accident reports, Applicable regulations, MSHA, Company
Evaluation Methods:	Oral feedback, Written feedback

**9. Emergency medical procedures [§ 48.26(b)(9)]**

Teaching Methods: Audio / video, Demonstration, Discussion, Lecture  
Course Materials: Emergency medical arrangements, Applicable regulations, MSHA, Company  
Evaluation Methods: Oral feedback, Observation, Written feedback

**10. Health [§ 48.26(b)(10)]**

Teaching Methods: Lecture, Discussion, Demonstration, Audio / video  
Course Materials: Dosimeters, Company, Applicable regulations, 1977 Mine Act, Dust control plan, Warning labels, Protective equipment, Health control plan, Material safety data sheets (MSDS), MSHA  
Evaluation Methods: Observation, Oral feedback, Written feedback

**11. Health and safety aspects of the tasks to which the experienced miner is assigned [§ 48.26(b)(11)]**

Teaching Methods: Demonstration, Audio / video, Discussion, Lecture, Site tour  
Course Materials: Applicable regulations, Safe work procedures, Company, Protective equipment, MSHA, HazCom program, Material safety data sheets (MSDS)  
Evaluation Methods: Oral feedback, Observation, Written feedback

## New Task Training Program - Part 48.27

All training and supervised practice and operation required by this section will be given by a qualified trainer, or a supervisor experienced in the the assigned tasks, or other person experienced in the assigned task.

### Section 48.27(a) Subjects/Tasks

These miners will not be allowed to perform new tasks without direction and immediate supervision until they have demonstrated safe work procedures to the operator or the operator's agent.

**Miners assigned to new work tasks as Mobile Equipment Operators, Drilling, Haulage, Ground Control, and Blasting Operations.**

**If you have no miners with these tasks at your operation, select 'Not Applicable'.**

Applicable

#### List of Task Assignments

Bobcat operator, Bulldozer/tractor operator, Crane operator, Drill helper / chuck tender, Drill operator (wagon/diamond), Driver jeep/pickup, Forklift operator, Front-end loader / high lift operator, Grader operator, Grader / road roller operator, High lift operator, Highwall drill operator/helper, Jack-leg/stoper operator / rock driller, Loading maching / loader operator, Loading machine helper, Mucking machine operator, Raise miner, Rockman / hangup man / chute blaster, Roof bolter helper (single head), Roof bolter mounted (left side), Roof bolter (single head), Shotfirer / blaster / shooter / helper, Shovel operator (stripping/loading), Slusher operator, Supplyman / warehouseman / supply driver, Supplier/warehouse man / supply driver, Timberman / propman / steel setter / steel worker, Truck driver

These miners will be trained as specified below before performing the new task

#### 1. Health and safety aspects and safe operating procedures for work tasks, equipment or machinery [§ 48.27(a)(1)]

Teaching Methods: Lecture, Discussion, Demonstration  
Course Materials: Job safety analyses (JSAs), HazCom program, Company, Material safety data sheets (MSDS), Protective equipment, Operating manuals, MSHA  
Evaluation Methods: Observation, Oral feedback, Written feedback

#### 2. Supervised practice during nonproduction or supervised operation during production [§ 48.27(a)(2)(i) or 48.27(a)(2)(ii)]

Teaching Methods: Supervised practice or operation, Demonstration, Discussion, Lecture  
Course Materials: Company, Job safety analyses (JSAs), Operating manuals, MSHA  
Evaluation Methods: Oral feedback, Observation, Written feedback

#### 3. New or modified machines and equipment [§ 48.27(a)(3)]

Teaching Methods: Demonstration, Discussion, Lecture  
Course Materials: Company, Job safety analyses (JSAs), Operating manuals, MSHA  
Evaluation Methods: Oral feedback, Observation, Written feedback

### Section 48.27(c) Subjects/Tasks

Miners assigned a new task not covered in Section 48.27(a) will be instructed in the safety and health aspects and safe work procedures of the task, prior to performing such task.

**Miners assigned to tasks not included in the prior section must be instructed in the safety and health aspects and safe work procedures of the task prior to performing the task.**

**If you have no miners with these tasks at your operation, select 'Not Applicable'.**

Applicable

#### List of Task Assignments

Battery charging station / fan attendant, Cement man / mason / bricklayer, Cleanup man, Dispatcher, Drift miner, Electrician / helper / wireman, Grizzlyman / chute puller / binman, Hand loader, Hoist / cage / mantrip operator, Inspector / preshifter, Laborer / utility man / bull gang, Lampman / building repair / maint / janitor, Lockout / tagout, Mechanic / repairman / helper, M-NM sampler / dust sampler / lab technician, Miner NEC / surface miner, Oiler / greaser, Other surface miner, Other underground miner, Rock driller, Sizing/washing/cleaning plant operator/worker, Skiptender/dumper/cager/station attendant, Skiptender / top loader / cager / station attendant, Slings / rigging, Stope miner, Supervisory / management / foreman / boss, Survey crew, Track man/gang / tamping machine operator, Trainee, Union official / safety representative, Ventilation man/crew/builder / brattice man, Watchman / guard, Welder, Welding / cutting Mill Operators crusher/grinding/flotation/Gravity/Leaching/tailings, Confined space, chemical handling

**These miners will be trained as specified below before performing the new task**

<b>1. Safety and health aspects and safe work procedures of the task [§ 48.27(c)]</b>
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Teaching Methods: Lecture, Discussion, Demonstration

Course Materials: Job safety analyses (JSAs), HazCom program, Company, Material safety data sheets (MSDS), Protective equipment, Operating manuals, MSHA

Evaluation Methods: Observation, Oral feedback, Written feedback

# Annual Refresher Training Program - Part 48.28

Each miner will receive a minimum of 8 hours of annual refresher training. However, the time spent for each course may vary to meet specific needs, such as changes in mining conditions, accident history or other safety and health problems.

## Section 48.28(b) Subjects

Applicable

**Predicted time of year and training session length for the subjects listed below.**

**Predicted time of each session of refresher training is**

Yearly

**Predicted length of each session of refresher training is**

From 08:00 to 10:00 [hrs:mins]

### 1. Mandatory health and safety standards [§ 48.28(b)(1)]

Approximate Time: From 00:45 to 01:30 [hrs:mins]  
Teaching Methods: Audio / video, Demonstration, Discussion, Lecture, Site tour  
Course Materials: Applicable regulations, MSHA, Company  
Evaluation Methods: Oral feedback, Observation, Written feedback

### 2. Transportation controls and communication systems [§ 48.28(b)(2)]

Approximate Time: From 00:45 to 01:30 [hrs:mins]  
Teaching Methods: Audio / video, Demonstration, Discussion, Lecture, Site tour  
Course Materials: Applicable regulations, Company, Warning signals / directional signs, MSHA, Mine communication systems  
Evaluation Methods: Observation, Oral feedback, Written feedback

### 3. Escape and emergency evacuation plans; firewarning and firefighting [§ 48.28(b)(3)]

Approximate Time: From 00:45 to 01:30 [hrs:mins]  
Teaching Methods: Discussion, Audio / video, Lecture, Site tour  
Course Materials: Applicable regulations, Firewarning signals and firefighting procedures, Company, MSHA, Mine escape system, Escape and emergency evacuation plan  
Evaluation Methods: Observation, Oral feedback, Written feedback

### 4. Ground control; working in areas of highwalls, water hazards, pits and spoil banks; illumination and night work [§ 48.28(b)(4)]

Approximate Time: From 00:45 to 01:30 [hrs:mins]  
Teaching Methods: Audio / video, Discussion, Lecture, Site tour  
Course Materials: Applicable regulations, Company, MSHA, Highwall plan, Ground control plan  
Evaluation Methods: Oral feedback, Written feedback

### 5. First aid [§ 48.28(b)(5)]

Approximate Time: From 01:00 to 01:30 [hrs:mins]  
Teaching Methods: Audio / video, Demonstration, Discussion, Lecture  
Course Materials: Applicable regulations, Company, MSHA, First aid supplies  
Evaluation Methods: Oral feedback, Observation, Written feedback

### 6. Electrical hazards [§ 48.28(b)(6)]

Approximate Time: From 00:45 to 01:30 [hrs:mins]  
Teaching Methods: Audio / video, Discussion, Lecture  
Course Materials: Applicable regulations, Company, Vendor / manufacturer, Lockout devices, MSHA  
Evaluation Methods: Oral feedback, Written feedback

**7. Prevention of accidents [§ 48.28(b)(7)]**

Approximate Time: From 00:45 to 01:30 [hrs:mins]  
Teaching Methods: Audio / video, Discussion, Lecture  
Course Materials: Accident reports, Applicable regulations, MSHA, Company  
Evaluation Methods: Oral feedback, Written feedback

**8. Health [§ 48.28(b)(8)]**

Approximate Time: From 00:45 to 01:30 [hrs:mins]  
Teaching Methods: Lecture, Discussion, Demonstration, Audio / video  
Course Materials: Dosimeters, Company, Applicable regulations, 1977 Mine Act, Dust control plan, Warning labels, Protective equipment, Health control plan, Material safety data sheets (MSDS), MSHA  
Evaluation Methods: Observation, Oral feedback, Written feedback

**9. Explosives [§ 48.28(b)(9)]**

This subject is: Applicable  
Approximate Time: From 01:00 to 01:30 [hrs:mins]  
Teaching Methods: Audio / video, Discussion, Lecture  
Course Materials: Applicable regulations, Company, Vendor / manufacturer, MSHA  
Evaluation Methods: Oral feedback, Written feedback

**10. Self-rescue and respiratory devices [§ 48.28(b)(10)]**

This subject is: Applicable  
Approximate Time: From 00:45 to 01:30 [hrs:mins]  
Teaching Methods: Audio / video, Demonstration, Discussion, Lecture  
Course Materials: Company, Applicable regulations, MSHA, Vendor / manufacturer, Training devices  
Evaluation Methods: Fit test, Oral feedback, Observation, Written feedback

**Section Total Minimum and Maximum Time**

Section 48.28(b) Total  
Minimum: 08:00 [hrs:mins]  
Section 48.28(b) Total  
Maximum: 15:00 [hrs:mins]

**Program Total Minimum and Maximum Time**

Total Minimum: 08:00 [hrs:mins]  
Total Maximum: 15:00 [hrs:mins]

# Hazard Training Program - Part 48.31

Miners or persons who are exposed to mine hazards and are not required to take new miner or experienced miner training as specified in Section 48.22(a)(2) will receive the following training prior to commencing work on mine property. The training will be given at least once every 12 months. Experienced short-term contract workers, such as drillers or blasters, who received training under Section 48.26 may receive hazard training in lieu of more experienced miner training for each new mine employment.

## Section 48.31(a) Subjects

Applicable

### 1. Hazard recognition and avoidance [§ 48.31(a)(1)]

Teaching Methods:	Audio / video, Demonstration, Discussion, Lecture, Site tour
Course Materials:	Applicable regulations, Checklists, MSHA, Company rules and policies, Company
Evaluation Methods:	Observation, Oral feedback, Written feedback

### 2. Emergency and evacuation procedures [§ 48.31(a)(2)]

Teaching Methods:	Audio / video, Demonstration, Discussion, Lecture
Course Materials:	Applicable regulations, Company, MSHA, Emergency and evacuation plan
Evaluation Methods:	Oral feedback, Observation, Written feedback

### 3. Health and safety standards, safety rules and safe working procedures [§ 48.31(a)(3)]

Teaching Methods:	Audio / video, Demonstration, Discussion, Lecture, Site tour
Course Materials:	Applicable regulations, MSHA, Company
Evaluation Methods:	Oral feedback, Observation, Written feedback

### 4. Self-rescue and respiratory devices [§ 48.31(a)(4)]

This subject is:	Applicable
Teaching Methods:	Demonstration, Audio / video, Discussion, Lecture
Course Materials:	Company, Applicable regulations, MSHA, Vendor / manufacturer, Training devices
Evaluation Methods:	Fit test, Oral feedback, Observation, Written feedback