

Part 48 Training Program

Optional Training Plan Format

Metal/Nonmetal Underground Mines

General Information - Part 48(a)

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

New Miner Training Program - Part 48.5

Each new miner will receive no less than 40 hours of training as prescribed in this section. Approximately 8 hours of training will be given at the mine site.

Section 48.5(b) Subjects

Applicable

1. Statutory rights of miners and their representatives under the Act; authority and responsibility of supervisors [§ 48.5(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 [§ 48.5(b)(2)]

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

3. Entering and leaving the mine; transportation; communications [§ 48.5(b)(3)]

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

4. Introduction to work environment [§ 48.5(b)(4)]

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

5. Mine map; escapeways; emergency evacuation; barricading [§ 48.5(b)(5)]

Teaching Methods: Demonstration, Audio / video, Discussion, Lecture, Site tour
Course Materials: Escapeway system, Escape, firefighting, and emergency evacuation plan, Mine map, MSHA, Firefighting equipment, Applicable regulations, Barricading (where applicable), Company
Evaluation Methods: Observation, Oral feedback, Written feedback

6. Roof or ground control and ventilation plans [§ 48.5(b)(6)]

Teaching Methods: Discussion, Audio / video, Lecture
Course Materials: Company, Applicable regulations, MSHA, Ventilation plan, Roof or ground control plans, Vendor / manufacturer
Evaluation Methods: Oral feedback, Written feedback

7. Health [§ 48.5(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. Cleanup; rock dusting [§ 48.5(b)(8)]

Teaching Methods: Audio / video, Discussion, Lecture
Course Materials: Applicable regulations, Company, Rock dusting equipment, Mine cleanup plan, MSHA
Evaluation Methods: Oral feedback, Written feedback

9. Hazard recognition [§ 48.5(b)(9)]

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

10. Electrical hazards [§ 48.5(b)(10)]

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

11. First aid [§ 48.5(b)(11)]

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

12. Mine gases [§ 48.5(b)(12)]

Teaching Methods: Audio / video, Demonstration, Discussion, Lecture
Course Materials: Applicable regulations, Company, Vendor / manufacturer, MSHA, Gas detection equipment
Evaluation Methods: Observation, Oral feedback, Written feedback

13. Health and safety aspects of the tasks to which the new miner will be assigned [§ 48.5(b)(13)]

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

Experienced Miner Training Program - Part 48.6

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 48.6(b) Subjects

Applicable

1. Introduction to work environment [§ 48.6(b)(1)]

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

2. Mandatory health and safety standards [§ 48.6(b)(2)]

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

3. Authority and responsibility of supervisors and miners' representatives [§ 48.6(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. Entering and leaving the mine; transportation; communications [§ 48.6(b)(4)]

Teaching Methods:	Discussion, Demonstration, Audio / video, Lecture
Course Materials:	Warning signals / directional signs, Mine communication systems, Check-in/check-out procedures, Applicable regulations, MSHA, Mine map, Company, Mine conveyances
Evaluation Methods:	Oral feedback, Observation, Written feedback

5. Mine map; escapeways; emergency evacuation; barricading [§ 48.6(b)(5)]

Teaching Methods:	Demonstration, Audio / video, Discussion, Lecture, Site tour
Course Materials:	Escapeway system, Escape, firefighting, and emergency evacuation plan, Mine map, MSHA, Firefighting equipment, Applicable regulations, Barricading (where applicable), Company
Evaluation Methods:	Observation, Oral feedback, Written feedback

6. Roof or ground control and ventilation plans [§ 48.6(b)(6)]

Teaching Methods:	Discussion, Audio / video, Lecture
Course Materials:	Company, Applicable regulations, Extended cut plan, Ventilation plan, MSHA, Roof or ground control plans, Vendor / manufacturer
Evaluation Methods:	Oral feedback, Written feedback

7. Hazard recognition [§ 48.6(b)(7)]

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

8. Prevention of accidents [§ 48.6(b)(8)]

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

9. Emergency medical procedures [§ 48.6(b)(9)]

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

10. Health [§ 48.6(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 [§ 48.6(b)(11)]

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

12. Self-rescue and respiratory devices [§ 48.6(b)(12)]

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

New Task Training Program - Part 48.7

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 48.7(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 machine operators, haulage and conveyor systems operators, roof and ground control machine operators, and in 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, 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, 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), Scoop car / tram / load haul dump operator, Shotfirer / blaster / shooter / helper, 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 [§ 48.7(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 [§ 48.7(a)(2)(i) or 48.7(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 [§ 48.7(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 48.7(c) Subjects/Tasks

Miners assigned a new task not covered in Section 48.7(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, Cleanup man, Dispatcher, Drift miner, Electrician / helper / wireman, Grizzlyman / chute puller / binman, Hand loader, Hoistman / hoist engineer/helper, 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, Rock driller, Shopman / millwright / machinist / bit sharpener, Skiptender/dumper/cager/station attendant, Skiptender / top loader / cager / station attendant, Slings / rigging, Stope miner, Supervisory / management / foreman / boss, Track man/gang / tamping machine operator, Trainee, safety representative,

Ventilation man/crew/builder / brattice man, Watchman / guard, Welder, Welding / cutting

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

1. Safety and health aspects and safe work procedures of the task [§ 48.7(c)]

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

Section 48.7(d) Subjects/Tasks

These miners will receive and complete training in safe haulage procedures related to the haulage system, ventilation system, firefighting procedures, and emergency evacuation procedures in effect at the mine before assigned to such duties.

Miners assigned to control or direct haulage operations 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

Dispatcher, Haulage director, Hoist / cage / mantrip operator

Persons who control or direct haulage operations will receive and complete training courses in the following

1. Safe haulage procedures related to the haulage system, ventilation system, firefighting procedures and emergency evacuation procedures in effect at the mine [§ 48.7(d)]

Teaching Methods: Lecture, Discussion, Demonstration
Course Materials: Firefighting and emergency plan, Escape systems, Company, Job safety analyses (JSAs), Ventilation plan, MSHA, Mine map
Evaluation Methods: Observation, Oral feedback, Written feedback

Annual Refresher Training Program - Part 48.8

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 48.8(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 [§ 48.8(b)(1)]

Approximate Time: From 00:45 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

2. Transportation controls and communication systems [§ 48.8(b)(2)]

Approximate Time: From 00:45 to 01:30 [hrs:mins]
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

3. Barricading [§ 48.8(b)(3)]

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

4. Roof or ground control, ventilation, emergency evacuation and firefighting plans [§ 48.8(b)(4)]

Approximate Time: From 00:45 to 01:30 [hrs:mins]
Teaching Methods: Discussion, Audio / video, Lecture
Course Materials: CO monitors, Applicable regulations, Company, Ventilation plan, MSHA, Roof or ground control plans, Vendor / manufacturer
Evaluation Methods: Oral feedback, Written feedback

5. First aid [§ 48.8(b)(5)]

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

6. Electrical hazards [§ 48.8(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 [§ 48.8(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. Self-rescue and respiratory devices [§ 48.8(b)(8)]

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: Donning device, Fit test, Oral feedback, Observation, Written feedback

9. Explosives [§ 48.8(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. Mine gases [§ 48.8(b)(10)]

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

11. Health [§ 48.8(b)(11)]

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

Section Total Minimum and Maximum Time

Section 48.8(b) Total
Minimum: 08:45 [hrs:mins]
Section 48.8(b) Total
Maximum: 16:30 [hrs:mins]

Program Total Minimum and Maximum Time

Total Minimum: 08:45 [hrs:mins]
Total Maximum: 16:30 [hrs:mins]

Hazard Training Program - Part 48.11

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 48.2(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. Miners or persons subject to hazard training will be accompanied at all times while underground by an experienced miner. Experienced short-term contract workers, such as drillers or blasters, who received training under Section 48.6 may receive hazard training in lieu of more experienced miner training for each new mine employment.

Section 48.11(a) Subjects

Applicable

1. Hazard recognition and avoidance [§ 48.11(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 [§ 48.11(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 [§ 48.11(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 [§ 48.11(a)(4)]

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