Section 7
Training Plans and Procedures
Action Items

1. Determine if your mine falls under CFR 30 Part 46 or Part 48 for safety training purposes. Contact Dave Carlson (phone 906-487-2453 or email dcarlson@mtu.edu) – also ask for a written Part 46 Training Plan.

2. If you fall under Part 46, you need a training plan. Under Part 48, you may train under the certified trainer’s plan. The following types of training are required under both parts:
   a. Train all new inexperienced miners for 24 hours (40 hours for underground).
   b. Train all newly hired experienced miners for at least the minimum times listed on the Part 46 training plan. Part 48 requires a full 8 hours for some surface miners.
   c. Task-train all workers in any newly-assigned tasks. Update training if task procedures change.
   d. Annual refresher training is 8 hours for Part 46 and Part 48 and must be done by the end of the 12th month after the miner is hired, and every year thereafter by the end of the same month as during the previous year.
   e. Give site-specific hazard training to all visitors (customers, etc.) This can be done by judicious use of warning signs or with verbal/written instructions, whichever you have specified in your training plan. For miners who go to different mine IDs, site-specific hazard training is required at each ID along with a training certificate (certificate not required for non-miners).

3. Keep records of annual refresher training for 2 years and of all new miner and task training until 60 days after the miner terminates employment. Issue training certificates. Follow instructions given here for completing certificates correctly.

4. Part 46 training must be done by the competent person(s) or training organization(s) listed in your mine’s training plan. Training certificates must be signed by the mine employee responsible for safety and health listed in the mine’s training plan. Training certificates must meet the requirements of the standard. If form 5000-23 is used, complete it according to the instructions in this section.

5. For Part 48 training, the certified trainer can sign the 5000-23 training certificate, but MSHA recommends that it be done by the mine person responsible for safety and health at the mine (remember, however, that Part 48 new miner, new experienced miner, and annual refresher training (but not task training) must be done by an MSHA-certified trainer). Follow the instructions in this section for completing form 5000-23.
SECTION 7

Training Test

1. Part 48 is the part of 30CFR dealing with metal, coal, gypsum and underground mining operations. T__, F__

2. Part 46 deals with almost all surface nonmetal, nongypsum, noncoal mines as well as cement plants. T__, F__

3. A part 48 training plan requires MSHA approval, but a part 46 plan is considered to be approved if it meets the standards requirements. T__, F__

4. Part 48 training, other than task and site-specific hazard training, must be done by MSHA-certified instructors. T__, F__

5. Part 46 training must be done by MSHA-certified instructors. T__, F__

6. A competent person who trains miners must be approved by MSHA. T__, F__ Part 46 training for each subject covered must be done by the competent company person(s) and/or training organizations listed for that subject in the company’s training plan.

7. Part 46 task training must be done by a competent person. T__, F__. The training organizations name, or a miner who is competent to train the subject matter must be listed in the mines plan.

8. A Part 46 training certificate must be signed by the person responsible for safety and health at the mine, while a part 48 certificate may be signed either by the MSHA-certified instructor or by the person at the mine responsible for safety and health. T__, F__

9. 4 hours of part 46 new inexperienced miner training must be completed before the miner goes to work and the remaining 20 hours may include a brief review of first aid, respirator training where applicable, and practice under the supervision of the competent person listed in the mine’s training plan. T__, F__

10. A Part 46 training plan must include the name of the competent person who will oversee “supervised practice of the assigned task”. T__, F__

11. Part 46 requires new experienced miners to have 4 hours of training before working. T__, F__. Times must equal or exceed the minimum times listed in the mine’s training plan.

12. Annual refresher training is required a)____ within 1 year of completing new miner or new experienced miner training, b)____ during the following year by the end of the same month the miner was hired or had his annual refresher training, or c)____ as soon as the rest of the miners get annual refresher training.

13. Under Part 46 new inexperienced miner training, a short review of first aid must be taught within 60 days of starting work. T__, F__

14. Under Part 46, a new inexperienced miner must have a full first aid and CPR course before he can work. T__, F__ Advanced first aid, as required by 56.18010, must be offered to all interested
miners and at least one trained person must be available at the worksite whenever work is taking place.

15. An on-road truck driver who loads his own truck with sand and gravel is considered a miner under Part 46 and needs comprehensive training. T  F.

16. An on-road truck driver who only goes on mine property to have the mine operator load his truck with sand and gravel is considered a miner under Part 46 and needs comprehensive training. T  F.

17. Part 46 specifies the entire list of subjects required for annual refresher training. T  F. Eight hours of annual training is required; one topic – changes adversely affecting safety and health – is required. Other subjects are to be selected by the mine operator and listed in the mine’s training plan along with competent person(s) and/or training organizations for each.

18. A truck driver who hauls sand and gravel from one location on mine property to another location on mine property needs comprehensive training under Part 46. T  F.

19. Before Part 46 training can commence, the training plan used must be posted for 2 weeks at a location where the miners can review its contents. T  F.

20. To become an experienced miner under Parts 46 and 48, the person must have received new miner training T  F., have 12 months of cumulative experience T  F., and have gained his/her 12 months experience within 3 years. T  F. (see the standard for exceptions for miners who were experienced miners before Oct. 2, 2000 for Part 46 and February 3, 1999 for Part 48).

21. People who maintain and/or repair mining equipment at mine sites for “frequent” or “extended” periods do not need annual refresher training if the equipment is shut down and away from mining activities. T  F.

22. A miner transferred to another Part 46 mine owned by the same employer only needs site-specific hazard awareness training. T  F.

23. A contractor who has the mine operator perform the contractor’s Part 46 training need not have a training plan T  F.

24. A Part 46 training plan can cover only one mine. T  F.

25. A Part 46 training certificate can list the names of more than one trainee. T  F.

26. Annual refresher training can address both Part 46 and Part 48. T  F.

27. Training records should be available where they can be sent to the mine site immediately at the request of the MSHA inspector. T  F.

28. Construction workers not exposed to mine hazards need only receive site-specific hazard awareness training. T  F.
29. Independent contractors, who are miners under Part 46, must make available at the mine site, a copy of each miner’s training certificates for inspection. T___, F____.

30. Miners are required to carry Part 46 training certificates. T___, F____.
Introduction to Part 46

**Note:** A miner is any person, including operators or supervisors, who works at a mine and who is engaged in mining operations. This definition includes independent contractors and employees of independent contractors who are engaged in mining operations and any construction worker who is exposed to hazards of mining operations.

**Part 46 Applies to** -- Miners Engaged in Shell Dredging or Employed at Sand and Gravel, Surface Stone, Surface Clay, Colloidal Phosphate, Surface Limestone, Marble, Shale, Kaolin, Feldspar, Granite, Traprock, Cement, Lime, Sandstone, and Slate Mines and Operations

**What Part 46 Means to You?** – MSHA can issue citations and withdrawal orders to sand and gravel, surface stone, surface limestone, surface clay, shell dredging, and colloidal phosphate mines for failure to provide training that meets the requirements spelled out in 30 CFR Part 46.

-- Mine operators and contractors must have a training plan (need one? – contact Dave Carlson – 906-487-2453 or see [http://www.msha.gov/TRAINING/STATES/STATES.HTM](http://www.msha.gov/TRAINING/STATES/STATES.HTM) for the contact in your state).

-- New miners must receive at least 24 hours of training, with a minimum of four hours of instruction in eight specific areas before they start work. The eight areas are: 1) introduction to the work environment, 2) instruction in recognizing and avoiding hazards, 3) review of escape and emergency plans, 4) instruction on health and safety aspects of the work they will be doing, 5) instruction on statutory rights of miners, 6) a review and description of the line of authority, 7) an introduction to the procedures for reporting mine hazards and 8) information about the physical and health hazards of chemicals in the miner’s work area, the protective measures a miner can take against these hazards, and the contents of the mine’s HazCom program.

-- Miners must receive at least eight hours of annual refresher training yearly by the end of the same month as during the previous year, which covers major changes at the mine which may adversely affect safety and health and other topics specified in the mine’s training plan.

-- Miners must also be trained on health and safety aspects of each newly assigned task including hazardous chemicals they may be exposed to.

-- Training must be provided by a competent person (a person designated by the production-operator or independent contractor who has the ability, training, knowledge, or experience to provide training to miners in his or her area of expertise. The competent person must be able both to effectively communicate the training subject to miners and to evaluate whether the training given to miners is effective). Instructors do not need MSHA approval, but must be listed in the training plan by subject.

-- Mine operators are allowed to substitute equivalent training required by OSHA or other federal or state agencies, if this training is listed in the mine’s training plan along with the competent persons/organizations, times, materials, training methods and evaluation methods. Certificates for this training must also meet MSHA’s requirements.

You need to have a training plan on file for each of five types of training:

- New miner
- Newly-hired experienced miner
- New task
Training Plan Requirements

A training plan [Section 46.3(b)] is automatically approved without submitting it to MSHA if it contains the following information:

- Mine Name(s);
- MSHA mine ID number(s) or independent contractor (if available) identification number(s);
- Name and position of designated person responsible for health and safety training at the mine;
- General description of teaching methods – i.e. lecture, discussion, etc.
- Course materials to be used in training program, including subject areas to be covered, i.e. MSHA, Company, Vendor, etc.
- Approximate time to be spent on each subject area – i.e. ½ to 3 hours;
- List of persons and/or organizations who will provide the training, and the subject areas in which each person and/or organization is competent to instruct;
- The evaluation procedures used to determine the effectiveness of training.

SUMMARY OF PART 46 FOR NEW MINES

Part 46 Training Requirements for Newly Opened Mines

- **Develop a training plan.** The plan must include all of the information called for in 30 CFR 46.3. If Starter Kits are used, new miner, newly employed experienced miner, and task training programs need to be changed to include “information about the physical and health hazards of chemicals in the miner’s work area, the protective measures a miner can take against these hazards, and the contents of the mine’s HazCom program” (46.5{b}{4}, 46.6{b}{4}, 46.7{a}).

- **Provide miners with new miner training or newly employed experienced miner training, as appropriate.** Experienced miner training is appropriate for the following: (1) miners who had at least 12 months of cumulative surface mining or equivalent experience on or before October 2, 2000; (2) miners hired on or after October 2, 2000 who have completed 24 hours of new miner training under 46.5 or 48.25 and who have at least 12 cumulative months of surface mining or equivalent experience; or (3) miners with less than 12 cumulative months of surface mining or equivalent experience who have completed new miner training under 46.5 or 48.25 within 36 months before beginning work at the mine. Experienced miner training must be provided before any of the above-described miners begins work at the mine. New miner training must be completed no later than 90 days after a person who is not an experienced miner begins work at the mine according to the provisions of 46.5. Miners who have not yet received the full 24 hours of new miner training must work where an experienced miner can observe that the new miner is performing his or her work in a safe and healthful manner.

- **Provide task training to miners who are reassigned to new tasks in which they have no previous work experience.** Task training must also be provided if changes in assigned tasks occur that affect health and safety risks. Miners with previous training and experience in assigned tasks may be excused from training if they demonstrate the necessary skills to safely perform the tasks. Practice under the close observation of a competent person may be used to fulfill the task-training.
requirement if hazard recognition training specific to the assigned task is given before the miner performs the task.

- **Provide each miner with no less than eight hours of annual refresher training no later than the end of the 12th month after the miner begins work at the mine.** If the new miner was hired April 2, 2003, the next round of annual refresher training must be completed by April 30, 2004 and the following round no later than April 30, 2005 etc.

Provide site-specific hazard awareness training to office personnel, scientific workers, delivery workers, customers, vendors, visitors, and independent contractors.
<table>
<thead>
<tr>
<th>Commodity Mined</th>
<th>Part 46</th>
<th>Part 48 (Surface Mines)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Miners Engaged in Shell Dredging or Employed at Sand and Gravel, Surface Stone, Surface Clay, Colloidal Phosphate, Surface Limestone, Marble, Shale, Kaolin, Feldspar, Granite, Traprock, Cement, Lime, Sandstone, and Slate Mines and Operations</td>
<td>Miners employed at coal, metal, gypsum, and underground mines.</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Who needs comprehensive training?</th>
<th>Part 46</th>
<th>Part 48 (Surface Mines)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any person, including any operator or supervisor, who works at a mine and is engaged in mining operations -- includes contractors engaged in mining operations; and maintenance or service workers who work at a mine site for frequent or extended periods -- also construction workers exposed to hazards of mining operations.</td>
<td>Person including operator working in a surface mine or surface areas of an underground mine who is engaged in the extraction and production process, or who is regularly exposed to mine hazards, or who is a maintenance or service worker employed or contracted by the operator to work at the mine for frequent or extended periods. Short-term, specialized contract workers, such as drillers and blasters, who are engaged in the extraction and production process and who have received experienced-miner training, may in lieu of subsequent training under that section for each new employment, receive training under §48.31 (Hazard training). This definition does not include: (i) Construction workers and shaft and slope workers under subpart C of this Part 48.</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Who needs hazard training?</th>
<th>Part 46</th>
<th>Part 48 (Surface Mines)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scientific workers; delivery workers; customers (including commercial over-the-road truck drivers); vendors; or visitors, maintenance or service workers who do not work at a mine site for frequent or extended periods; also hazard training and certificates are needed by miners and contractors for each mine ID they work at.</td>
<td>Person working in a surface mine, including any delivery, office, or scientific worker or occasional, short-term maintenance or service worker contracted by the operator, and any student engaged in academic projects involving his or her extended presence at the mine.</td>
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</table>

This is an attempt to summarize the standards – See 30 CFR for more accurate information!
### Training Requirements – Surface Mines – Parts 46 and 48*

<table>
<thead>
<tr>
<th>Experienced Miner</th>
<th>Part 46</th>
<th>Part 48 (Surface Mines)</th>
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</thead>
<tbody>
<tr>
<td>(i) Person employed as a miner on April 14, 1999; person with 12 months cumulative surface mining or equivalent experience on October 2, 2000; (iii) person who began employment after April 14, 1999, but before October 2, 2000, who received new miner training or (iv) person employed as a miner on or after October 2, 2000, who has completed 24 hours of new miner training and who has at least 12 months of surface mining or equivalent experience.</td>
<td>(1) A miner who has completed MSHA-approved new miner training for surface miners or training acceptable to MSHA from a State agency and who has had at least 12 months of surface mining experience; or (2) A supervisor who is certified under an MSHA-approved State certification program and who is employed as a surface supervisor on October 6, 1998; or (3) An experienced surface miner on February 3, 1999.</td>
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<thead>
<tr>
<th>Training Plan Required</th>
<th>Yes -- your own plan only</th>
<th>Yes -- your own or certified trainer's plan</th>
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</thead>
<tbody>
<tr>
<td>MSHA Approval Required</td>
<td>No</td>
<td>Yes</td>
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</tbody>
</table>

### On-line filing available

- [http://www.msha.gov/forms/pt48train.htm](http://www.msha.gov/forms/pt48train.htm)
- [http://www.msha.gov/forms/pt48train.htm](http://www.msha.gov/forms/pt48train.htm)

### Plan requires

1. The name of the production-operator or independent contractor, mine name(s), and MSHA mine identification number(s) or independent contractor identification number(s);  
2. The name and position of the person designated by you who is responsible for the health and safety training at the mine. This person may be the production-operator or independent contractor;  
3. A general description of the teaching methods and the course materials that are to be used in the training program, including the subject areas to be covered and the approximate time or range of time to be spent on each subject area.  
4. A list of the persons and/or organizations who will provide the training, and the subject areas in which each person and/or organization is competent to instruct; and  
5. Company name, mine name, and MSHA ID  
6. Name and position of person responsible for health & safety training  
7. List of MSHA-approved instructors and courses for which qualified  
8. Location where training will be given
<table>
<thead>
<tr>
<th>Training Requirements – Surface Mines – Parts 46 and 48*</th>
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<tbody>
<tr>
<td><strong>Part 46</strong></td>
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<tr>
<td>(5) The evaluation procedures used to determine the</td>
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<td>effectiveness of training.</td>
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<tr>
<td>Training records</td>
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<tr>
<td>Training records</td>
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<tr>
<td><strong>Instructors</strong></td>
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</table>
### Training Requirements – Surface Mines – Parts 46 and 48*

<table>
<thead>
<tr>
<th>Instructor Requirements</th>
<th>Part 46</th>
<th>Part 48 (Surface Mines)</th>
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<tbody>
<tr>
<td></td>
<td>Competent person must have the ability, training, knowledge, or experience to provide training to miners in his or her area of expertise. Person must be able to effectively communicate training subject to miners and to evaluate whether the training given is effective.</td>
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<table>
<thead>
<tr>
<th>Hours of Training</th>
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<tbody>
<tr>
<td>New Inexperienced Miner – Surface</td>
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<tr>
<td>24 – 4 hours covering required subjects before starting work, respirator training (when applicable) and First Aid review (1/2 hr +/-) within 60 days.</td>
<td></td>
<td>24 – 8 hours covering required subjects before starting work if approved by District.</td>
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</tbody>
</table>
### Training Requirements – Surface Mines – Parts 46 and 48*

<table>
<thead>
<tr>
<th>New Inexperienced Miner Underground</th>
<th>Part 46</th>
<th>Part 48 (Surface Mines)</th>
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</thead>
<tbody>
<tr>
<td>New Experienced Miner – Surface</td>
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<tr>
<td>Sum of minimum times for subjects listed in training plan. Not required when experienced miner returns to the same mine, following an absence of 12 months or less. Instead you must provide training on changes that could adversely affect the miner's health or safety before the miner begins work. If the miner missed any part of annual refresher training, you must provide the missed training no later than 90 calendar days after the miner begins work at the mine. Respirator training (when applicable) within 60 days.</td>
<td>8 hrs – by the end of the same month the year after the miner is hired or by the end of the same month the previous year’s annual refresher training was completed.</td>
<td>Each experienced miner returning to mining following an absence of 5 years or more, must receive at least 8 hours of training.</td>
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<tr>
<td>Annual Refresher</td>
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<tr>
<td>8 hrs – by the end of the same month the year after the miner is hired or by the end of the same month the previous year’s annual refresher training was completed.</td>
<td>8 hrs – by the end of the same month the year after the miner is hired or by the end of the same month the previous year’s annual refresher training was completed.</td>
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<tr>
<td>Task</td>
<td>As in plan</td>
<td>As in plan</td>
</tr>
<tr>
<td>Person available who is trained in First Aid?</td>
<td>Yes - see 56.18010</td>
<td>Yes - see 56.18010</td>
</tr>
</tbody>
</table>
## PARTS 46 AND 48 SURFACE MINE TRAINING – REQUIRED SUBJECTS

(Best Effort Summary Only – Accurate Information is Available in 30 CFR Parts 46 and 48)

<table>
<thead>
<tr>
<th>Training Areas</th>
<th>Part 46</th>
<th>Part 48</th>
<th>Part 46</th>
<th>Part 46</th>
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<th>Part 46</th>
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<tbody>
<tr>
<td><strong>1</strong> Introduction to the Work Environment</td>
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<td><strong>2</strong> Hazard Recognition and Avoidance</td>
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<td>x</td>
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<tr>
<td><strong>3</strong> Emergency Medical Procedures</td>
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<tr>
<td><strong>4</strong> Health and Safety Aspects of the Task</td>
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<td>or task-specific hazard recognition training + practice under close supervision of competent person.</td>
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<tr>
<td><strong>5</strong> Statutory Rights of Miners</td>
<td>x</td>
<td>x</td>
<td>x</td>
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<td>x</td>
<td>x</td>
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<tr>
<td><strong>6</strong> Auth. and Resp. of Supervisors/Miner's Reps.</td>
<td>x</td>
<td>x</td>
<td>x</td>
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<tr>
<td><strong>7</strong> Introduction to Rules for Reporting Hazards</td>
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<td><strong>8</strong> Self-Rescue and Respiratory Devices</td>
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<td><strong>9</strong> First Aid Review</td>
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<td><strong>10</strong> Changes that could adversely affect health &amp; safety</td>
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<td><strong>11</strong> Safety Rules and Safe Working Procedures</td>
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<td>x</td>
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<td>x</td>
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<td><strong>12</strong> Supervised Practice (non-production)</td>
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<td>x</td>
<td>x</td>
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<tr>
<td><strong>13</strong> Other relevant health and safety subjects -- see recommended (rec.) ones</td>
<td>x</td>
<td>x</td>
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<td><strong>14</strong> Mandatory Health and Safety Standards</td>
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<tr>
<td><strong>15</strong> Transportation Systems and Controls</td>
<td>x</td>
<td>x</td>
<td>x</td>
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<td><strong>16</strong> Communication Systems</td>
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<tr>
<td><strong>17</strong> Escape and Emergency Evacuation Plans</td>
<td>x</td>
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<td>x</td>
<td>x</td>
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<td><strong>18</strong> Firewarning and Firefighting</td>
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<td>x</td>
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<td>x</td>
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<td><strong>19</strong> Ground Conditions and Control</td>
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<td><strong>20</strong> Traffic Patterns and Control</td>
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<tr>
<td><strong>21</strong> Working in Areas of highwalls</td>
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<tr>
<td><strong>22</strong> Water Hazards, Pits and Spoil Banks</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
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<td>x</td>
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<td><strong>23</strong> Illumination and Night Work</td>
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<td><strong>24</strong> Electrical Hazards</td>
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</table>
# PARTS 46 AND 48 SURFACE MINE TRAINING – REQUIRED SUBJECTS

(Best Effort Summary Only – Accurate Information is Available in 30 CFR Parts 46 and 48)

<table>
<thead>
<tr>
<th>TRAINING AREAS</th>
<th>24 HOUR NEW</th>
<th>NEWLY EMPLOYED</th>
<th>TASK TRAINING</th>
<th>8 HOUR ANN.</th>
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<tr>
<td></td>
<td>MINER</td>
<td>EXPERIENCED</td>
<td>(NEW or</td>
<td>HAZARD</td>
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<td></td>
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<td>MINER TRAINING</td>
<td>REFRESHER</td>
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<td></td>
<td>PART 48</td>
<td>PART 46</td>
<td>PART 46</td>
<td>PART 46</td>
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<tr>
<td>25 Prevention of Accidents</td>
<td>x</td>
<td>x</td>
<td>rec.</td>
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<tr>
<td>26 Health</td>
<td>x</td>
<td>x</td>
<td>rec.</td>
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<tr>
<td>27 Explosives</td>
<td>x</td>
<td>x</td>
<td>rec.</td>
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<tr>
<td>28 Mobile Equipment hazards</td>
<td>x</td>
<td>x</td>
<td>rec.</td>
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<tr>
<td>29 Conveyor System hazards</td>
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<tr>
<td>30 Crane Hazards</td>
<td>rec.</td>
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<tr>
<td>31 Crusher Hazards</td>
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<tr>
<td>32 Excavator Hazards</td>
<td>rec.</td>
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<tr>
<td>33 Dredge Hazards</td>
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<td></td>
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<tr>
<td>34 Maintenance and Repair (Hand tools and Welding Equipment.)</td>
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<td></td>
<td>rec.</td>
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<tr>
<td>35 Material Handling</td>
<td>rec.</td>
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<tr>
<td>36 Fall Prevention and Protection</td>
<td>rec.</td>
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<td>37 Machine Guarding</td>
<td>rec.</td>
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<tr>
<td>38 Information or Instructions on hazards person exposed to at the mine and applicable emergency procedures.</td>
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<td>39 Powered Haulage Hazards</td>
<td>x</td>
<td>rec.</td>
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<td>40 Other special safety procedures</td>
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<td>41 Unique Geologic and Environmental Cond.</td>
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<td>42 Restricted Areas</td>
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<td>43 Warning and Evacuation Signals</td>
<td>x</td>
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<tr>
<td>44 Ground Control (highwalls)</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>rec.</td>
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<tr>
<td>45 Supervised Operation During Production</td>
<td>x</td>
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<tr>
<td>46 New or Modified Machines and Equip. Training</td>
<td>x</td>
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<tr>
<td>47 Other training Required by District</td>
<td>x</td>
<td>x</td>
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</tr>
</tbody>
</table>

* Only for miner who returns to same mine within 12 months and the only course he/she must take, other than missed parts of annual refresher training.

** Hazard recognition training required if practice under supervision of a competent person used to fulfill task training requirement.

*** Competent person required (non-production not specified under Part 46).

**** Credit task training under Part 46 to New Miner Training

x 1 Required for miners assigned to new work tasks as mobile equipment operators, drilling machine operators, haulage and conveyor systems operators, ground control machine operators, and those in blasting operations.

'rec.' stands for 'recommended' topic area. These are topics that are not required by law but can be used to fulfill training requirements.
Note – Add the Following Pages to Your Part 46 Plan if Michigan Technological University or one of its Subcontractors is Training You.
### Annual Refresher Training

<table>
<thead>
<tr>
<th>Subject</th>
<th>Check if subject applies</th>
<th>Competent Organization(s)**</th>
<th>Competent Person(s) or Organization(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Changes Adversely Affecting S&amp;H (Required Training) &amp; Other Site-Specific Training</td>
<td>X</td>
<td>St. Grants Prog – MTU*</td>
<td></td>
</tr>
<tr>
<td>Special Equipment, Materials &amp; Conditions</td>
<td>X</td>
<td>St. Grants Prog – MTU*</td>
<td></td>
</tr>
<tr>
<td>Mandatory Safety &amp; Health Standards</td>
<td>X</td>
<td>St. Grants Prog – MTU</td>
<td></td>
</tr>
<tr>
<td>Lifesaving First Aid Skills</td>
<td>X</td>
<td>St. Grants Prog – MTU</td>
<td></td>
</tr>
<tr>
<td>Escape and Emergency Evac., Firewarning &amp; Firefighting,</td>
<td>X</td>
<td>St. Grants Prog – MTU*</td>
<td></td>
</tr>
<tr>
<td>Guarding</td>
<td>X</td>
<td>St. Grants Prog – MTU</td>
<td></td>
</tr>
<tr>
<td>Fall Prevention &amp; Fall Protection</td>
<td>X</td>
<td>St. Grants Prog – MTU</td>
<td></td>
</tr>
<tr>
<td>Lockout-Tagout</td>
<td>X</td>
<td>St. Grants Prog – MTU*</td>
<td></td>
</tr>
<tr>
<td>Welding &amp; Pressure Vessels</td>
<td>X</td>
<td>St. Grants Prog – MTU</td>
<td></td>
</tr>
<tr>
<td>Materials Handling</td>
<td>X</td>
<td>St. Grants Prog – MTU</td>
<td></td>
</tr>
<tr>
<td>Rigging</td>
<td>X</td>
<td>St. Grants Prog – MTU</td>
<td></td>
</tr>
<tr>
<td>Mobile Equipment</td>
<td>X</td>
<td>St. Grants Prog – MTU</td>
<td></td>
</tr>
<tr>
<td>Transportation Systems &amp; Controls</td>
<td>X</td>
<td>St. Grants Prog – MTU*</td>
<td></td>
</tr>
<tr>
<td>Electrical Hazards</td>
<td>X</td>
<td>St. Grants Prog – MTU</td>
<td></td>
</tr>
</tbody>
</table>

* Requires assistance and (or) information provided by mine
** The State Grants Program at Michigan Technological University may be reached to do your training by calling Dave Carlson at 906/487-2453 or email dcarlson@mtu.edu
<table>
<thead>
<tr>
<th>Subject</th>
<th>Check if subject applies</th>
<th>Competent Organization(s)**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Control &amp; Water Hazards</td>
<td>X</td>
<td>St. Grants Prog – MTU*</td>
</tr>
<tr>
<td>Housekeeping &amp; Fire Prevention</td>
<td>X</td>
<td>St. Grants Prog – MTU</td>
</tr>
<tr>
<td>Respirators</td>
<td>X</td>
<td>St. Grants Prog – MTU</td>
</tr>
<tr>
<td>Hearing Conservation Program</td>
<td>X</td>
<td>St. Grants Prog – MTU</td>
</tr>
<tr>
<td>Chemical Hazards – HazCom</td>
<td>X</td>
<td>St. Grants Prog – MTU</td>
</tr>
</tbody>
</table>

* Requires assistance and (or) information provided by mine
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ANNUAL REFRESHER TRAINING PAGE 1

Note that it is very important that each annual refresher training session have at least one person assigned by each of the mines represented, who is knowledgeable and ready to discuss site-specific hazard and hazards resulting from changes that have taken place at the mine during the past year. Some, but not all of the topics the mine person may need to discuss are:

1. New processes, stationary equipment, and mobile equipment.
2. New traffic patterns
3. Visibility and illumination around mobile equipment.
4. Loadout area and customer concerns
5. New ground and highwall conditions.
6. Road condition concerns (mud, dust, hills, curves, blind spots).
7. Power line placement concerns.
8. New electrical hazards or lockout/tagout programs.
10. Areas miners shouldn’t enter.
11. New potential fall hazards.
12. New potential drowning hazards.

NOTE: Annual Refresher Training can be conducted either as a single 8-hour session or in periodic meetings throughout the year that are a minimum length of ½ hour each. If you are training your people in periodic meetings throughout the year, complete the certificate entitled “Training Roster/Certificate for Annual Refresher Training in Short Segments Throughout the Year”(request copy from Dave Carlson – 906/487-2453, if not attached to this plan).

The trainer will use lecture, discussion, videos, overheads, Powerpoint presentations, games or other means to present the approved 8 hours of Annual Refresher training in the following topics. Each training session will be presented to encourage personal responsibility for safety. Each participant will be expected to demonstrate enhanced skills and knowledge of the topics presented. Other topics will be made available upon request by the mine operator, program policy bulletins, updates on accidents, or materials required by the north central district manager.

#1 Changes at the Mine Adversely Affecting Safety and Health – 5 min to 2 hours

#2 Special Mine Equipment (Cranes, dredges, draglines, excavators, drilling & blasting) – 5 min to 2 hours

# 3 Mandatory Health & Safety Standards (15 to 45 minutes) 15 min to 2 hours
Pertinent Regulations: Title 30 CFR. Parts 47, 48, 56 and 62.

# 4 Lifesaving First-Aid Skills -- 20 min to 6 hours
Fundamental topics following the American Red Cross Check-Call-Care protocol. Emphasis on performing patient assessment and artificial respiration; controlling bleeding; and treating shock, wounds, burns, and musculoskeletal injuries.
#5 Escape and Emergency Evacuation Plans, Fire-warning and Fire-fighting -- 10 min to 1 hour

Lists of phone numbers to call in emergencies and locations and markings for phones/radios, fire extinguishers and hoses, alarms, evacuation procedures, exit markings, providing information to community emergency services, classification of fires, types/location/use of extinguishers, alarm systems, employee instructions, communications.

#6 Accident Prevention Techniques – 15 min to 4 hours

a. Guarding and access (Crushers, conveyors, screens and other stationary equipment)

b. Maintenance and Repair –

   (1) Fall Protection and Prevention
   (2) Lockout/Tagout
   (3) Cutting & Welding
   (4) Material Handling
   (5) High pressure safety.
   (6) Rigging

c. Transportation Systems and Controls
Mobile equipment including loaders, railway vehicles, trucks, personnel carriers, dozers -- pre-shift inspection, signs and signals, alarms, communication systems, haulageways, hills, curves overhead lines, roads, berms, visibility.

d. Electrical Hazards

e. Ground Control and water hazards
Highwalls, stockpiles, spoil banks, pits, and water hazards.

f. Fire prevention and housekeeping, fueling and other sources of fire such as electrical & welding, flammable materials.

#7 Health Protection Skills 15 min to 2 hours

a. Respiratory devices and airborne contaminants.

b. Hearing Conservation.

c. Chemical Hazards -- Hazard Communication

d. Back Injury Protection

Evaluation of the miners’ achievement of the objectives will be made by oral discussions, question-answer sessions and written short quizzes. Clients will be asked to limit class sizes to a maximum of 30 students if possible, or to provide special facilities for classes larger than 30. When the 3-hour first aid is taught, clients will be asked to limit the class size to 14 or less or provide needed assistance.
### Sample 3-Year Plan Used By Michigan Technological University

<table>
<thead>
<tr>
<th>Main Topic areas</th>
<th>Lesson Titles</th>
<th>Subjects Addressed</th>
<th>Times are avg.</th>
<th>Teaching Methods</th>
<th>Eval. matls</th>
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<tbody>
<tr>
<td><strong>Mine Specific Topics</strong></td>
<td>Changes Adversely Affecting S&amp;H &amp; Other Site-Specific Training</td>
<td>Mine-Specific Information</td>
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<td>Lecture Discuss</td>
<td>Oral or Written Testing</td>
</tr>
<tr>
<td></td>
<td>Special Equipment, Materials &amp; Conditions</td>
<td>Cranes, dredges, draglines, excavators, boats, drilling/blasting, confined spaces &amp; contractor equipment.</td>
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<td>Lecture Discuss</td>
<td>Oral or Written Testing</td>
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<tr>
<td><strong>Mandatory Health &amp; Safety Standards</strong></td>
<td>New standards, top MSHA citations for prev. year</td>
<td>CFR 30 -- Parts 47,48,56, and 62</td>
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<td>Lecture Discuss</td>
<td>Oral or Written Testing</td>
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<td><strong>Lifesaving First Aid Skills</strong></td>
<td>MTU Certified First Aid</td>
<td>MTU First Aid Course - per 56.18010</td>
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<td>Lecture Practice</td>
<td>Oral or Written Testing</td>
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<td>First Aid/Emergency Resp. Review</td>
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<td>Oral or Written Testing</td>
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<tr>
<td><strong>Escape and Emergency Evac., Fire-warning &amp; Firefighting</strong></td>
<td>Responding to Emergencies</td>
<td>Emergencies -- medical, fire, weather, violence. Getting assistance, community services, fire extinguishers, alarms, evacuation routes &amp; markings, violent weather.</td>
<td>0.25 0.25 0.5</td>
<td>Lecture Discuss</td>
<td>Oral or Written Testing</td>
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<tr>
<td><strong>Accident Prevention Techniques</strong></td>
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<td>Conveyors, crushers, screens, guarding, access</td>
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<td>Oral or Written Testing</td>
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<td>Lockout - Tagout</td>
<td>Lockout/Tagout</td>
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<td>Oral or Written Testing</td>
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### Sample 3-Year Plan Used By Michigan Technological University Continued

<table>
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<tr>
<th>Main Topic areas</th>
<th>Lesson Titles</th>
<th>Subjects Addressed</th>
<th>Times are avg.</th>
<th>Teaching Method</th>
<th>Eval. mats</th>
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<td>Year 2</td>
<td>Year 3</td>
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<tr>
<td>Accident Prevention Techniques Continued</td>
<td>Welding &amp; Pressure Vessels</td>
<td>Cutting, Welding, Pressure Effects -- incl. Tires, air tanks, compr. Gases, hydraulic lines (whipping hoses, hot oil), fuel tanks, water tanks, sealed drums.</td>
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<td>Material Handling</td>
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<td>Lecture Discuss</td>
<td>Oral or Written Testing</td>
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<td>Rigging</td>
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<td>Lecture Discuss</td>
<td>Oral or Written Testing</td>
</tr>
<tr>
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<td>Mobile Equipment</td>
<td>Mobile equipment including loaders, railway vehicles, trucks, personnel carriers, dozers -- pre-shift inspection, signs and signals, alarms, communication systems, etc.</td>
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<tr>
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<td>Transportation Systems &amp; Controls</td>
<td>Haulageways, roads, hills, curves, signs, berms, overhead lines, visibility etc.</td>
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<td></td>
<td>Electrical Hazards</td>
<td>Basics, grounding, testing, precautions</td>
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<td>Lecture Discuss</td>
<td>Oral or Written Testing</td>
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<td></td>
<td>Ground Control and Water Hazards</td>
<td>Highwalls, stockpiles, spoil banks, pits, and water hazards</td>
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<td>Oral or Written Testing</td>
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<tr>
<td></td>
<td>Fire Prevention &amp; Housekeeping</td>
<td>Fueling electrical &amp; welding fires, flammable materials.</td>
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<td>Health Protection Skills</td>
<td>Respirators</td>
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<td>As reqd. by Part 62</td>
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<td>As required by Part 47</td>
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<td>Oral or Written Testing</td>
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</table>

**Total Time Est. for Instruction**: 7 7 7

**Total Training Time Requirement**: 8 8 8
The following forms meet MSHA requirements for the various types of training records.
# NEW MINER TRAINING RECORD/CERTIFICATE

Miner’s Full Name (Print) _________________________________

Mine or Contractor Name _________________________________ ID# ___________

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course Length</th>
<th>Date</th>
<th>Competent Person</th>
<th>Location (Name &amp; Address if Institution)</th>
<th>Miner’s initials</th>
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<tbody>
<tr>
<td>30 CFR Part 46.5</td>
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<tr>
<td>(b)(1) Introduction to work environment, mine tour, mining method/operation</td>
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<tr>
<td>(b)(2) Instruction on recognition and avoidance of electrical and other hazards</td>
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<tr>
<td>(b)(3) Emergency procedures, escape, and firefighting</td>
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<tr>
<td>(b)(4) Health and safety aspects of tasks assigned including <strong>HazCom Training</strong></td>
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<td>(b)(5) Instruction on statutory rights of miners and their representatives</td>
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<tr>
<td>(b)(6) Authority &amp; responsibility of supervisors and miners’ representatives</td>
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<tr>
<td>(b)(7) Introduction to your rules and procedures for reporting hazards</td>
<td></td>
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</tr>
</tbody>
</table>

No later than 60 days:

(1) Self-rescue, respiratory devices, if used

(2) First aid

No later than 90 days (balance of 24 hours including the following subjects):

False certification is punishable under section 110 (a) and (f) of the Federal Mine Safety and Health Act

I certify that the above training has been completed

(Signature of person responsible for health and safety training) ___________________________ (Date) _____________
Correctly Completed Form 5000-23 Certificate Used for Part 46 New Miner Training

<table>
<thead>
<tr>
<th>Certificate of Training</th>
<th>U.S. Department of Labor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved OMB Number 12</td>
<td>Mine Safety and Health Administration</td>
</tr>
</tbody>
</table>

This certificate is required under Section 47173 as amended by Public Law 95-164, other sanctions as provided by sections 108 and 110, Public Law 91-173 as amended by Public Law 95-164.

- Issue Certificate Immediately Upon Completion of Training
- Serial Number (for operator's use)

1. Print Full Name of Person Trained (first, middle, last)

PRINT FULL NAME OF NEW MINER HERE

2. Check Type of Approved Training Received:
   - [ ] Annual Refresher
   - [ ] Experienced Miner
   - [ ] New Task
   - [X] Newly Employed, Inexperienced Miner
   - [ ] Other (specify)

3. Check Type of Operation and Related Industry:
   - [X] Surface
   - [ ] Construction
   - [X] Underground
   - [ ] Shaft & Slope
   - [X] Nonmetal

4. Date Training Required
   - 3/3/02

Fill in Date and Duration of Training completed...
   - 4 Hours

5. Check Subjects Completed (use only for partially completed training):
   - [X] Hazard Recognition
   - [X] Emergency Medical Procedures
   - [X] H&S Aspects of Tasks Assigned
   - [X] Statutory Rights of Miners
   - [ ] Self-Rescue & Respiratory Devices
   - [ ] Transport & Communication Systems
   - [X] Mine Map; Escapeways; Emergency Evacuation; Barricading
   - [X] Mandate a Health & Safety Standards
   - [X] Authority & Responsibility of Supervisors & Miners' Representatives
   - [ ] Roof/Ground Control & Ventilation
   - [ ] Cleanup; Rock Dusting
   - [X] Other (specify)

6. Check the required subjects that the new miner has received in training.

7. Mine Name, ID, & Location of Training (if institution, give name & address)

List Mine Name, ID, and Training Location here.

8. Date & Miner's Initials Optional

3/3/02

List Competent Person Here

Designated Company Safety Person Signs here

Certify that the above training has been completed (signature of person responsible for training)

Identity that I have completed the above training

MSHA Form 5000-23, Jan. 99 (revised)

Copy 1 - Employer's Personnel Record
NEWLY-HIRED EXPERIENCED MINER TRAINING RECORD/CERTIFICATE

Miner's Full Name (Print) ________________________________

Mine or Contractor Name ________________________________ ID# __________

<table>
<thead>
<tr>
<th>Subject 30 CFR Part 46.6</th>
<th>Course Length</th>
<th>Date</th>
<th>Competent Person</th>
<th>Location (Name &amp; Address if Institution)</th>
<th>Miner’s Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>(b)(1) Introduction to work environment, mine tour, mining method/operation</td>
<td></td>
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<tr>
<td>(b)(2) Instruction on recognition and avoidance of electrical and other hazards</td>
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<td>(b)(3) Emergency procedures, escape, and firefighting</td>
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<tr>
<td>(b)(4) Health and safety aspects of tasks assigned including HazCom Training</td>
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<td>(b)(5) Instruction on statutory rights of miners and their representatives</td>
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<tr>
<td>(b)(6) Authority &amp; responsibility of supervisors and miners’ representatives</td>
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<tr>
<td>(b)(7) Introduction to your rules and procedures for reporting hazards</td>
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</table>

No later than 60 days:

| (e) Self-rescue, respiratory devices, if used |        |      |                  |                                          |                 |

False certification is punishable under section 110 (a) and (f) of the Federal Mine Safety and Health Act
I certify that the above training has been completed

__________________________________________________________
(Signature of person responsible for health and safety training)  (Date)
NEW TASK TRAINING RECORD/CERTIFICATE – *Note that HazCom Training Must be Included in all New Task Training*

Miner’s Full Name (Print) ________________________________

Mine or Contractor Name _______________________________ ID# ___________

<table>
<thead>
<tr>
<th>New Task 30 CFR Part 46.7</th>
<th>Duration of Training</th>
<th>Competent Person</th>
<th>Date</th>
<th>Location (Name &amp; Address if Institution)</th>
<th>Miner’s Initials</th>
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*The miner received the following training before performing a new task, or a change occurred in an assigned task that affects health and safety risk:*

False certification is punishable under section 110 (a) and (f) of the Federal Mine Safety and Health Act

I certify that the above training has been completed

(Signature of person responsible for health and safety training) (Date)
# Task Training Checklist & Certificate

**Name of Trainee:**  
**Mine (or Contractor) Name:**  
**I.D. #:**  
**Location of Training:**  
**Initial Training Date:**  
**Competent Trainer:**  
**NOTE:** If more than one trainer will be instructing this task, each trainer should initial the step completion box, rather than simply checking it.  
**Task Name:**  
**Task Description:**  
**Lesson Plan Location (See company Training Plan):**  
**Equipment Description (If Applicable):**  
**Equipment Model Name & Number:**  
**Equipment Manufacturer/Dealer Information:**

<table>
<thead>
<tr>
<th>Time</th>
<th>for</th>
<th>Step</th>
<th>Completed</th>
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</table>

### Task Training Steps
1. Statement of the Purpose of Training (Read statement).
2. Brief summary of the purpose of the task and its steps. (Read task description.)
3. Demonstration of correct performance of the task. (Demonstrate task.)
4. Task & Equipment (Review the following.)
   a) Equipment & Operator Safety Manuals.
   b) Correct Use/Operation Procedures for this mine site.
   c) Operator Maintenance Procedures.
   d) Warnings (MSDSs, Signs, Decals, Alarms, Lights)
   e) Special Company Policies/Procedures (Including the following.)
      i) Procedures for reporting of safety concerns.
      ii) Procedures for removing unsafe equipment from production.
      iii) Emergency Procedures
5. Task Safety & Health Analysis (Use classroom discussion and/or job observation)
6. Job Steps, Hazards, Remedies (Review Job Safety Analysis - JSA)
7. HazCom – chemical hazards & protective measures, location and use of MSDSs, and contents of written HazCom program.
8. Evaluate classroom knowledge (Written (or oral) testing.)
9. Supervised Practice (If done by different competent person, note it on this form.)
10. Evaluate Performance (Task must be performed to competent persons satisfaction.)
11. Record Keeping

**Total Training Time (In Hours):**

"Trainee is familiar with information presented and has demonstrated the ability to properly perform this task in a safe and healthful manner." (Competent Person Please Initial)

**False Certification is punishable under section 110 (a) and (f) of the Mine Safety and Health Act**

I certify that the above training has been completed.

(Signature of person responsible for safety and health training on the mine's Training Plan)

**Date:**
## ANNUAL REFRESHER TRAINING RECORD/CERTIFICATE

**Miner’s Full Name (Print)**

_________________________

**Mine or Contractor Name**

_________________________

**ID#**

_________________________

### Subject

<table>
<thead>
<tr>
<th>Subject</th>
<th>Length</th>
<th>Date</th>
<th>Competent Person</th>
<th>Location</th>
<th>Miner’s Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 CFR Part 46.8</td>
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</table>

The miner received no less than 8 hours of annual refresher training in the following:

- Instruction on changes at the mine that could adversely affect the miner's health or safety
- Health and safety subjects relevant to mining operations at the mine

(For recommended subjects see 46.8 (c))

False certification is punishable under section 110 (a) and (f) of the Federal Mine Safety and Health Act

I certify that the above training has been completed

____________________________________________________

(Signature of person responsible for health and safety training)

__________

(Date)
Correctly Completed Form 5000-23 Certificate Used for Part 46 Annual Refresher Training

Certificate of Training

PART 46
ANNUAL
REFRESHER

1. Print Full Name of Person Trained (first, middle, last)

PRINT FULL NAME OF MINER HERE

2. Check Type of Approved Training Received:

- ✔ Annual Refresher
- ☐ New Task (specify below)
- ☐ Experienced Miner
- ☐ Newly Employed, Inexperienced Miner
- ☐ Hazard Training
- ☐ Other (specify)

<table>
<thead>
<tr>
<th>Date</th>
<th>Task</th>
<th>Initials</th>
<th>Date</th>
<th>Task</th>
<th>Initials</th>
</tr>
</thead>
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</table>

3. Check Type of Operation and Related Industry:

- ✔ Surface
- ☐ Construction
- ☐ Underground
- ☐ Shaft & Slope
- ☐ Metal
- ☐ Nonmetal

4. Date Training Required 8 Hours

5. Check Subjects Completed (use only for partially completed training):

- ✔ Introduction to Work Environment
- ✔ Hazard & Risk Management
- ✔ Emergencies
- ✔ H&S Aspects
- ☐ Statutory Law
- ✔ Self-Rescue
- ✔ Transport & Communication Systems
- ✔ Mine Map; Escapeways; Emergency Evacuation; Barricading
- ✔ Roof/Ground Control & Ventilation
- ✔ Cleanup; Rock Dusting
- ✔ Mandatory Health & Safety Standards
- ✔ Authority & Responsibility of Supervisors & Miners' Representatives
- ✔ Health
- ✔ Electrical Hazards
- ✔ First Aid
- ☐ Mine Gases
- ☐ Explosives
- ☐ Prevention of Accidents
- ☐ Other (specify)

6. False certification is punishable under section 110 (a) and (f) of the Federal Mine Safety & Health Act (P. L. 91-173 as amended by P. L. 95-164).

I certify that the above training has been completed (signature of person responsible for training)

Designated Company
Safety Person Signs here

7. Mine Name, ID, & Location of Training (if institution, give name & address)

List Mine Name, ID, and Training Location here.

Date & Miner's Initials Optional

8. Date

List Competent Person Here

MSHA Form 5000-23, Jan. 99 (revised) Copy 1 - Employer's Personnel Record

Section 7 Page 29
Correctly Completed Form 5000-23 Certificate Used for Part 48 Training

Certificate of Training

PART 48
U.S. Department of Labor
Mine Safety and Health Administration


This certificate is required under Public Law 91-173 as amended by Public Law 95-164.

Failure to comply may result in penalties and other sanctions as provided by sections 108 and 110, Public Law 91-173 as amended by Public Law 95-164.

1. Print Full Name of Person Trained (first, middle, last)

PRINT FULL NAME OF TRAINEE HERE

2. Check Type of Approved Training Received:
   - [ ] Annual Refresher
   - [ ] New Task (specify below)
   - [ ] Experienced Miner
   - [ ] Newly Employed, inexperienced Miner
   - [ ] Hazard Training
   - [ ] Other (specify)

3. Check Type of Operation and Related Industry:
   - [ ] Surface
   - [ ] Construction
   - [ ] Underground
   - [ ] Shaft & Slope
   - [ ] Coal
   - [ ] Metal
   - [ ] Nonmetal

4. Date Training Requirements Completed
   3/3/02

5. Check Subjects Completed:
   - [ ] Introduction to Work Environment
   - [ ] Rock/Ground Control & Ventilation
   - [ ] Mine Map, Escapeways; Emergency Evacuation; Barricading
   - [ ] Cleanup; Rock Dusting
   - [ ] Mandatory Health & Safety Standards
   - [ ] Authority & Responsibility of Supervisors & Miners' Representatives
   - [ ] Hazard Recognition
   - [ ] Emergency Medical Procedures
   - [ ] H&S Aspects of Tasks Assigned
   - [ ] Statutory Rights of Miners
   - [ ] Self-Rescue & Respiratory Devices
   - [ ] Transport & Communication Systems
   - [ ] Health
   - [ ] Electrical Hazards
   - [ ] First Aid
   - [ ] Mine Gases
   - [ ] Explosives
   - [ ] Prevention of Accidents

6. False certification is punishable under section 110 (a) and (f) of the Federal Mine Safety & Health Act (P. L. 91-173 as amended by P. L. 95-164).
   I certify that the above training has been completed.
   Certified Trainer or Responsible Person Signature

7. Mine Name, ID, & Location of Training (if institution, give name & address)

FILL IN MINE NAME, I.D., AND ACTUAL LOCATION OF TRAINING

8. Date
   3/3/02

I verify that I have completed the above training.
Miner's Signature

MSHA Form 5000-23, Jan. 99 (revised)
Copy 1 - Employer's Personnel Record
SITE-SPECIFIC HAZARD AWARENESS TRAINING
RECORD/CERTIFICATE

Miner’s Full Name (Print) _________________________________

Mine or Contractor Name _______________________________ ID#

Mine Site and Area for Which Training is Provided

Location: ______________________________________________

Length of Training: _____________________________________

Date Training Provided: _________________________________

Competent Person Providing the Training: __________________

Miner’s Initials: _______________________________________

False certification is punishable under section 110 (a) and (f) of the Federal Mine Safety and Health Act
I certify that the above training has been completed

____________________________________________________

(Signature of person responsible for health and safety training)
Site-Specific Hazard Awareness Training Record/Certificate

Miner’s Full Name (Print) __________________________________________

Mine or Contractor Name __________________________ ID# ____________

Mine Site and Area for Which Training is Provided

Location: _________________________________________________________

Length of Training: ______________________________________________

Date Training Provided: ___________________________________________

Competent Person Providing the Training: ___________________________

Training Checklist

__ Hazard Recognition and Avoidance
__ Emergency Evacuation Plans
__ Traffic Patterns and Control
__ Electrical Hazards
__ Information or instructions on hazards persons exposed to & applicable emergency procedures.
__ Powered Haulage Hazards
__ Unique Geologic and Environmental Conditions.
__ Restricted Areas
__ Warning and Evacuation Signals
__ Other special safety procedures

Miner’s Initials: _________________________________________________

False certification is punishable under section 110 (a) and (f) of the Federal Mine Safety and Health Act
21 certify that the above training has been completed

(Signature of person responsible for health and safety training) (Date)
Mine Site Hazard Training Checklist and Record

Name of Person Trained (Print): ____________________

Mine or Contractor Name: ____________________ MSHA ID #: ____________________

Training Location: _______________________________________________________________

Date of training: _________________________________________________________________

Length of training, minutes: _______

Competent Person Providing Training: _______________________________________________

Miner’s Initials: _____________

After receiving the safety information, check off that safety topic. Then initial above.

1. GENERAL SAFETY INFORMATION FOR ALL PERSONS ENTERING THIS MINE SITE.
   - Signs: Non-Standard Traffic Signs & General Warning Signs
   - Traffic Patterns: Right of Way, Haulage Roads, Designated Parking Areas
   - Reporting Emergencies: Emergency Numbers, Directing help to your location
   - Mine Evacuation: Where to report to in case of evacuation
   - Minimum Required Personal Protective Equipment
   - Company Drug, Alcohol & Smoking Policy
   - Trespassing & Recreational Activities
   - Overhead Power Lines

2. PLANT SPECIFIC HAZARD INFORMATION
   - Stationary Machinery: Guarding, Warning Signs
   - Confined Spaces
   - Electrical

3. PIT/QUARRY HAZARD INFORMATION
   - Mobile Equipment: Operator Visibility, Audible Warning Signals
   - Traffic Pattern: Restricted & Forbidden Areas
   - Hazardous Ground Conditions
   - Blasting

4. MAINTENANCE SHOP HAZARD INFORMATION
   - Shop Cranes/Suspended Loads
   - Welding
   - Hazardous Chemicals and Other Materials

5. POWER PLANT HAZARD INFORMATION
   - Electrical Hazards

6. TAILINGS & WASTE TREATMENT AREA HAZARD INFORMATION
   - Hazardous Waste
   - Water Hazards

I have received the above training:

False certification is punishable under section 110 (a) and (f) of the Federal Mine Safety and Health Act.

I certify that the above training has been completed – ______________________________________

Signature of Person Responsible for Health and Safety Designated in Training Plan (Note that record and certification are required for miners only – see definition of “miner”)