

# 30 CFR Part 46 Starter Kit

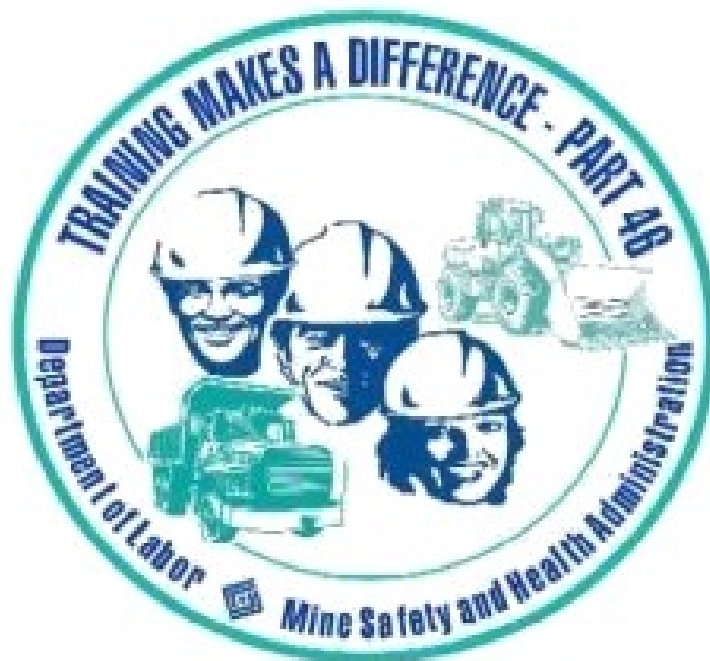
## MSHA Training Materials List

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U.S. Department of Labor  
Mine Safety and Health Administration  
National Mine Health and Safety Academy

Instruction Series Guide  
IG 36

December 1999  
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## VIDEOTAPES\*

- Dust Control, It's Everyone's Business--19 minutes** ..... VC 843  
 This videotape is one of a series on silica dust and silicosis. It discusses the importance of well-designed and maintained dust control systems and procedures to prevent exposure to dust containing silica.
- Good Berms Save Lives--15 minutes** ..... VC 928  
 This informative video discusses one mine's concern about berms on their mining property. The mine studied their berms using various materials and different berm heights. The size and speed of mining equipment, weather conditions, and grades also play a role in proper berm construction.
- Safety on or Near the Water--14 minutes** ..... VC 925  
 This video discusses the hazards of working on or near the water and the precautions that need to be taken to protect the workers in this situation.
- Silicosis: A Preventable Disease--19 minutes** ..... VC 929  
 An employee's questions about the health effects of silica dust exposure are answered.
- Truck Haulage Safety Series: (The following seven videotapes were produced as a series; however, they can be purchased individually).**
- Brakes, Grades, and Runaways-Highway Trucks--18 minutes** ..... VC 873  
 Reviews important principles of haul road design and maintenance, braking system inspection and maintenance, and driver procedures for handling highway truck runaways. Topics covered include: road design; road maintenance; berms; brakes; and runaways.
- Brakes, Grades, and Runaways-Off-Road Trucks--18 minutes** ..... VC 872  
 Reviews important principles of haul road design and maintenance, braking systems inspection and maintenance, and driver procedures for handling off-road truck runaways. Topics covered include: road design; road maintenance; berms, brakes; and runaways.
- Highway Haulage Truck Inspection Conducted by MSHA Inspectors--18 minutes** ..... VC 853  
 Presents a typical sequence of procedures followed by an MSHA inspector during examination of a highway haulage truck. Topics covered include: inspection location; cab inspection; safety appliances; paperwork; steering system; handholds and steps; wheels and rims; suspension components; brakes and braking systems; exhaust system; and inspecting the frame of the bed or trailer.
- Inspection of Off-Road Haulage Trucks by an MSHA Inspector--13 minutes** ..... VC 850  
 Presents a typical sequence of procedures followed by an MSHA inspector during examination of an off-road haulage truck. Topics covered include: inspection location; fluid-carrying lines and steering components; suspension components; tires and wheels; truck bed; lights and mountings; cab; safety appliances; and brakes and braking system parts.
- Pre-Operation Inspection of Off-Road Haulage Trucks by the Driver--16 minutes** ..... VC 855  
 Describes a typical sequence of inspection procedures followed by drivers who operate off-road haulage trucks. Topics covered include: inspection location; personal protective equipment; fluid-carrying lines; truck bed; lights and mounting; cab; safety appliances; steering; and brakes and braking systems.
- Pre-Operation Inspection of Highway Haulage Trucks by the Driver--10 minutes** ..... VC 863  
 Describes a typical sequence of inspection procedures followed by drivers who operate highway haulage trucks. Topics covered include: inspection location; under-the-hood check; tires and wheels; steering components; suspension components; trailer or bed frame; cab; safety appliances; and brakes and braking systems.
- Visibility and Communications: Off-Road and Highway Trucks--18 minutes** ..... VC 869  
 This video discusses the visibility and communication problems associated with off-road and highway haulage trucks. Topics covered include: driver awareness; good communication systems; night driving; weather conditions; road design and maintenance; traffic controls; truck lights, wipers, and alarms; blind areas; and additional lighting.
- Spanish version VC 814**

\* All videotapes are available in VHS format, and cost \$8.00 per tape.

# TRAINING MATERIALS

## — CARDS —

MSHA has developed a series of pocket cards covering a variety of topics as part of the Agency’s continuing effort to protect the health and safety of our Nation’s miners. These cards are available at **no cost**. Be sure to include the Card Number and quantity when ordering.

### **Best Practices-Haulage Cards (BP)**

Brake Systems .....	<b>BP Card No. 1</b>
Cab Inspections .....	<b>BP Card No. 2</b>
Haulage Equipment Operators .....	<b>BP Card No. 3</b>
Haulage Safety Attitude .....	<b>BP Card No. 4</b>
Highway Truck Pre-Operation Inspection .....	<b>BP Card No. 5</b>
100-Ton or Greater Truck Pre-Operation Inspection .....	<b>BP Card No. 6</b>
100-Ton or Less Truck Pre-Operation Inspection .....	<b>BP Card No. 7</b>
Pre- and Post-Operation Inspection of Surface Haulage Equipment .....	<b>BP Card No. 8</b>
ROPS (Rollover Protective Structure) and FOPS (Falling Object Protective Structure) ...	<b>BP Card No. 9</b>
Steering .....	<b>BP Card No. 10</b>
Surface Mine, Powered Truck Haulage Dumping Procedures .....	<b>BP Card No. 11</b>
Training Checklist .....	<b>BP Card No. 12</b>

### **Health Hazard Information (HH)**

Heat Stress .....	<b>HH Card No. 8</b>
Ten Minutes on Silicosis for Metal and Nonmetal Miners .....	<b>HH Card No. 9</b>
Two Minutes on Silicosis for Metal and Nonmetal Miners .....	<b>HH Card No. 10</b>
Working in Confined Spaces .....	<b>HH Card No. 11</b>
Filter Self-Rescue Devices .....	<b>HH Card No. 12</b>
Radon Daughter Measurements .....	<b>HH Card No. 13</b>
Poison Plants .....	<b>HH Card No. 14</b>
Personal Noise Measurements .....	<b>HH Card No. 15</b>
Working With Mercury .....	<b>HH Card No. 16</b>
“Watch Your Back” - Prevent Back Injuries .....	<b>HH Card No. 17</b>
Welding Hazards .....	<b>HH Card No. 18</b>
Mineral Dust Hazards and Sampling .....	<b>HH Card No. 19</b>
Silica Exposure of NRM Miners .....	<b>HH Card No. 20</b>

### **Conveyor Safety Tips (ST)**

Conveyor Safety Tips for Laborers .....	<b>ST Card No. 14</b>
Conveyor Safety Tips for Mechanics .....	<b>ST Card No. 15</b>
Conveyor Safety Tips for Plant Operators .....	<b>ST Card No. 16</b>
Conveyor Safety Tips for Supervisors .....	<b>ST Card No. 17</b>

### **Other (OT)**

Tips for Preventing Silicosis by the National Institute for Occupational Safety and Health . .	<b>OT Card No. 1</b>
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## — OTHER TRAINING MATERIALS —

This area includes materials on miscellaneous mine health and safety topics.

### **A Guide to Miners’ Rights and Responsibilities Under the**

<b>Federal Mine Safety and Health Act of 1977--35 pages .....</b>	<b>OT-2</b>
Summarized rights and responsibilities of miners, their representatives and applicants for mine work under the Federal Mine Safety and Health Act of 1977. Intended as a guide only and not as an “official” statement of the law or as a source for legal interpretations of the Act. <b>Price: Free of charge</b>	

- A Guide to Working Safely With Silica** ..... OT-33  
 This guide is a cooperative effort between the Department of Labor and the National Institute for Occupational Safety and Health in the Department of Health and Human Services--explains how you can protect yourself and others each day on the job.  
**Spanish version: OT-33S Price: Free of charge**
- MSHA's Guide to Equipment Guarding--32 pages** ..... OT-3  
 Designed to assist industry, labor and MSHA inspectors in obtaining uniformity in mechanical safeguarding. Basic principles of guarding are discussed. Various techniques are illustrated (with brief written explanations). **Price: Free of charge (1 book) \$2.00 (multiple copies)**
- Fatal Accidents Involving Construction, Maintenance, and Repair at Metal/Nonmetal Mines 1996-1997** ..... OT-36  
 This publication presents information on construction fatalities that occurred in metal/nonmetal mining operations from January 1996 through December 1997. The fatalities in this report consist of accidents involving construction, maintenance, and repair at metal/ nonmetal mining operations. From January 1996 through December 1997, 103 miners died at metal/nonmetal operations. Of the 103 fatalities, 41 fatalities involved construction. **Price: Free of charge**
- Fatal Accidents at Small Crushed Stone and Sand and Gravel Mining Operations 1996-1998** .... OT-41  
 This publication presents information on the 55 fatalities involving crushed stone and sand and gravel operations from January 1994 through September 28, 1998. Small mines in this publication refer to mines with 50 or fewer employees. This publication includes statistics for the fatalities as well as abstracts, illustrations, and best practices. **Price: Free of charge**
- Fatal Accidents Involving Independent Contractors at Metal/Nonmetal Mines 1990-1998** ..... OT-39  
 This publication presents information on the 107 fatalities involving independent contractors that occurred in metal and nonmetal mining operations from January 1, 1990, through July 7, 1998. This publication includes statistics for the fatalities as well as abstracts, illustrations, and best practices. **Price: Free of charge**
- Surface Haulage Fatalities-Metal and Nonmetal 1989-1993--61 pages** ..... OT-6  
 This publication highlights haulage fatalities that occurred at surface metal and nonmetal operations from January 1989 through December 1993. These surface haulage fatalities involve equipment such as: haulage trucks, front-end loaders, scrapers, water trucks, forklifts, and pickup trucks. **Price: \$15.00 (1 book and 57 slides)**
- Traffic Control at Surface Mines and Installations, Guideline for (C/MNM)--14 pages** ..... OT-26  
 All kinds and sizes of vehicles travel roads at surface operations. These vehicles are operated by drivers who travel the mine haulage roads on a daily basis or very infrequently or even for the first time. This means that there is a need for good traffic control on mine haul roads. This full-color spiral bound booklet reviews what mine operators and drivers need to know about traffic control. **Price: \$3.00**

— INSTRUCTIONAL GUIDES —

**On-the-Job Training Modules** (These modules are designed to supplement existing training programs and assist the industry in conducting effective on-the-job training.

- Cement--113 pages/15 modules** ..... IG-42  
**Price: Free of charge (1 book) \$4.00 (multiple copies)**
- Dredges--44 pages/5 modules** ..... IG-41  
**Price: Free of charge (1 book) \$4.00 (multiple copies)**
- Sand, Gravel, and Crushed Stone--204 pages/19 modules** ..... IG-40  
**Price: Free of charge (1 book) \$5.00 (multiple copies)**
- Surface Metal and Nonmetal--262 pages/17 modules** ..... IG-43  
**Price: Free of charge (1 book) \$6.00 (multiple copies)**

—Other Instructional Guides—

- Safety Audit for Aggregate Operations** ..... **IG-14**  
This safety audit is focused on the most common violations found at aggregate operations. Twenty conditions/practices accounted for 84 percent of all violations cited at sand and gravel and crushed stone mining operations in 1997. Completing this self-audit package is a first step in developing a safety program that will avoid common conditions/practices at your mining operation. **Price: Free of charge**
- The Miners' Health Pack** ..... **IG-28**  
MSHA hopes to make basic scientific, medical, and control technology information about health hazards in mining understandable so that mine operators can take action to reduce exposures and miners can protect themselves. The Health Pack is a series of fact sheets and resources that are packaged in a binder so that new training materials on hazards, such as lead, mercury, or diesel exhaust, can be added as they are developed by MSHA to create a comprehensive manual on health hazards. **Price: Free of charge**
- 30 CFR Part 46 Starter Kit With Sample Training Forms** ..... **IG-36**  
Contains Part 46 assistance materials, including State Grants contacts; helpline numbers and internet homepage addresses; available Academy training materials; and examples of model training plans and training records. **Price: Free of charge**
- 30 CFR Part 46 Instructor Guide With Lesson Plans** ..... **IG-37**  
An 18-page booklet designed to assist mine operators, who are covered by the 30 CFR Part 46 regulations, to develop an effective and mine-specific training program. **Price: Free of charge**
- Tire and Rim Safety Awareness Program (C/MNM)--34 pages** ..... **IG-60**  
This program covers the handling and servicing of multi- and single-piece rim wheels.  
**Price: Free of charge (1 book) \$4.00 (multiple copies)**
- First Aid Book--237 pages** ..... **IG-61**  
Designed to provide workers in the mining industry with basic first aid knowledge and skills in order to better prepare them to deal with both on-the-job and off-the-job accidents and emergencies.  
**Price: Free of charge (1 book) Note: One copy only of this book is available through the Academy. If additional copies are required, write to: Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402--(202) 512-1800 Use GPO Stock Number 029-017-00004-2 Expect to pay current price.**

— SAFETY MANUALS —

SM's are nontechnical pocket-sized booklets that are introductions to various topics related to mine health and safety.

- First Aid--62 pages** ..... **SM-3**  
Describes first aid techniques. Discusses how to stop bleeding and control shock. Lists specific first aid procedures for a wide variety of injuries. **Price: Free of charge (1 book) \$2.00 (multiple copies)**  
**Note:** Spanish version is available from The University of Texas at Austin, Industrial Education Department, P.O. Box 7518, Austin, TX 78713-7518 (512) 471-4633. Cost is \$5.00 plus shipping and handling.
- Personal Protective Equipment--69 pages** ..... **SM-14**  
Use of personal protective equipment is necessary in mining (and in many other occupational areas--including some home activities). This manual describes various devices used, why they are needed, where they are needed and how to care for the equipment. (Typical equipment includes hand, eye, face, foot, and body protection devices and respiratory protection devices.) **Spanish version: SM-14S**  
**Price: Free of charge (1 book) \$2.00 (multiple copies)**

**NOTE**

**For a complete listing of all training products, please request the latest copy of the *Catalog of Training Products for the Mining Industry* from the Academy.**



**ORDERS FROM FOREIGN COUNTRIES**

Advance payment in U.S. currency is required for **ALL** orders from foreign countries.

Make check payable to: MINE SAFETY AND HEALTH ADMINISTRATION  
or  
Submit a Purchase Order and you will be billed later.

Mail completed form to: National Mine Health and Safety Academy  
ATTENTION: Distribution Center  
1301 Airport Road  
Beaver, West Virginia 25813-9426

You may telephone us at: (304) 256-3257  
You may FAX us at: (304) 256-3368  
You may e-mail us at: [MSHADistributionCenter@dol.gov](mailto:MSHADistributionCenter@dol.gov)