



# Training Products for the MINING INDUSTRY

## 2021 CATALOG



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



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# Introduction

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Welcome to the 2021 edition of the National Mine Health and Safety Academy's Catalog of Training Products for the Mining Industry. The materials in this catalog are separated into different sections, such as books, DVDs, and CDs. For easier reference, two indexes are located in the back of the catalog – one by title and one by subject.

The Academy also publishes an online course catalog, *Courses for MSHA and the Mining Industry*. You can find this catalog at

[https://www.msha.gov/sites/default/files/Training\\_Education/2021-Course-Catalog.pdf](https://www.msha.gov/sites/default/files/Training_Education/2021-Course-Catalog.pdf)

## Order Information

An electronic, fillable form is available on page 69 for your convenience. For online orders, you can fill out this form and click on the **SUBMIT ORDER** button to send the form via e-mail. If ordering by mail, you can fill out, detach, and send form to the address shown below. **Please allow 2 to 3 weeks for delivery.**

National Mine Health and Safety Academy  
Printing and Property Management Branch  
1301 Airport Road  
Beaver, West Virginia 25813-9426

Also, you may place an order by:

Phone: 304-256-3257

Fax: 304-256-3368

E-mail: [MSHADistributionCenter@dol.gov](mailto:MSHADistributionCenter@dol.gov)

## Historical Training Material

Our catalog also offers a historical section of training materials, which have become dated due to changes in technology or changes in mining regulations. Many of these materials are available through the Academy's Digital Materials Collection, which can be found at

<https://arlweb.msha.gov/TRAINING/LIBRARY/mshaPortal/index.html>

Historical materials that are not available electronically are available through the Academy's Technical Information Center and Library (TICL). Please see page 25 for a listing of these materials and order information.

# Introducción

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Bienvenido a la edición 2021 del Catálogo de Productos de Capacitación de la Academia Nacional de Salud y Seguridad Minera para la Industria Minera. Los materiales en este catálogo están separados en diferentes secciones, tales como libros, DVD y CD. Para una referencia más fácil, dos índices se encuentran en la parte posterior del catálogo, uno por título y otro por tema.

La Academia también publica un catálogo de cursos en línea, Cursos para MSHA y la Industria Minera. Puede encontrar este catálogo mediante la página

[https://www.msha.gov/sites/default/files/Training\\_Education/2021-Course-Catalog.pdf](https://www.msha.gov/sites/default/files/Training_Education/2021-Course-Catalog.pdf)

## INFORMACIÓN DE LA ORDEN

Para su comodidad, hay un formulario electrónico que se puede completar en la página 71. Para órdenes en línea, puede completar este formulario y haga un clic en el botón de **SOMETER ORDEN** para enviar el formulario por correo electrónico. Si realiza un pedido por correo, puede completar, separar y enviar el formulario a la dirección que se muestra a continuación. **Por favor espere de 2 a 3 semanas para la entrega.**

National Mine Health and Safety Academy  
Printing and Property Management Branch  
1301 Airport Road  
Beaver, West Virginia 25813-9426

Además, puede hacer un pedido por:

Teléfono: 304-256-3257

Fax: 304-256-3368

Correo electrónico: [MSHADistributionCenter@dol.gov](mailto:MSHADistributionCenter@dol.gov)

## MATERIAL DE CAPACITACIÓN HISTÓRICO

Nuestro catálogo también ofrece una sección histórica de materiales de capacitación, que han quedado obsoletos debido a cambios en la tecnología o cambios en las regulaciones mineras. Muchos de estos materiales están disponibles a través de la Colección de materiales digitales de la Academia, que se puede encontrar en

<https://arlweb.msha.gov/TRAINING/LIBRARY/mshaPortal/index.html>

Los materiales históricos que no están disponibles electrónicamente están disponibles a través del Centro de Información Técnica y Biblioteca (TICL) de la Academia. Consulte la página 25 para obtener una lista de estos materiales e información sobre órdenes.

# Printed Training Materials

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This section is an alphabetical listing of the available printed programs. These programs fall into the following categories: CI - Course of Instruction, IG - Instructional Guide, OT - Other Material, and SM - Safety Manual.

## **Abandoned and Active Mines, Dangers Around (C/MNM)**

This booklet highlights the dangers in and around abandoned and active mine sites. It can also be used by children as a coloring book.

MSHA Rev 2003 31 pp  
Cat No: OT 7  
Price: Free of charge (1 book)  
\$3.00 (each additional copy)

bound book with 75.351 and 75.1103 regulations along with brief notes and highlighted key words for easy reference. For convenience, each regulation is separated into three parts: Records, Surface, and Underground.

MSHA 2016 25 pp  
Cat No: IG 111a  
Price: Free of charge (1 book)  
\$3.00 (each additional copy)

## **Alcohol and Other Drug Abuse Recognition in the Mining Industry (C/MNM)**


This course includes lessons on common types of drugs and their effects on the worker. It explains how alcohol is a commonly abused substance, how to recognize the symptoms of substance abuse, and how to get assistance for abuse problems. This course can be tailored to include the company's Employee Assistance Program, if available. It includes tests and answer sheets.

### **Books**

- Instructor's Guide 26 pp
- Student's Text 15 pp

MSHA Rev 2007  
Cat No: IG 80 (Instructor's Guide)  
IG 80a (Student's Text)  
Price: Free of charge (one book)  
\$3.00 (Instructor's Guide)  
\$3.00 (Student's Text)

## **Atmospheric Monitoring Systems Quick Reference Guide**

 This publication is primarily intended to be used as a pocket-size reference guide that safety directors, examiners, and inspectors can use during AMS inspections. It is a spiral

## **Bins and Hoppers Safety Awareness Program (C/MNM)**

This guide is designed for trainers of coal and metal/nonmetal mine personnel. It covers the safe handling of materials around bins and hoppers, working safely around bins and hoppers, the prevention of entrapment, and rescue in the event of an entrapment. The program contains eight sections:

1. Bins and Hoppers Related Law
2. Entrapment of Miners
3. Development of Safe Work Methods Around Bins and Hoppers
4. General Bins and Hoppers Safety/Technical Information
5. Abstracts of Bin and Hopper Accidents
6. Bins and Hoppers Safety Awareness Factors to Utilize in a Training Session
7. Key Safety Awareness Points to Remember When Involved with Bins and Hoppers
8. Illustrations and Abstracts of Bin and Hopper Fatalities

MSHA Rev 2003 50 pp  
Cat No: IG 66  
Price: Free of charge (1 book)  
\$4.00 (each additional copy)

# Printed Training Materials

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## **Bloodborne Pathogens: A Guide for the Mining Industry**

This guide contains information about the risk of occupational exposure to bloodborne pathogens and how mine operators can reduce this risk.

MSHA 2000 24 pp

Cat No: IG 44

Price: Free of charge (1 book)  
\$2.00 (each additional copy)

## **Carpal Tunnel Syndrome**

This safety manual discusses the symptoms, causes, and treatment of carpal tunnel syndrome (CTS). Many industries claim that the incidence of carpal tunnel syndrome is increasing and is one of their most disabling and costly medical problems.

MSHA Rev 2003 46 pp

Cat No: SM 23

Price: Free of charge (1 copy)  
\$2.00 (each additional copy)

## **Coal Mining**

This safety manual gives an overview of coal mining. It begins with the origin and nature of coal, progresses through underground and surface mining methods, training, and mine hazards, and ends with the uses of coal.

MSHA Rev 2013 23 pp

Cat No: SM 1

Price: Free of charge (1 book)  
\$2.00 (each additional copy)

## **Code of Federal Regulations, Title 30, via Computer Linkup**

The mining community can gain quick access to current regulations, program information bulletins, policy memos, and other data on MSHA's home page at [www.msha.gov](http://www.msha.gov). Copies may be purchased from:

Superintendent of Documents  
Government Printing Office  
Washington, DC 20402  
Telephone: 202/512-1800  
Fax: 202/512-2233

## **Compliance Guide to MSHA's Occupational Noise Exposure Standard**

MSHA's revised noise standard became effective on September 13, 2000. This compliance guide is in a question and answer format, and provides information to assist the mining industry in complying with the revised noise standard.

MSHA Rev 2006 24 pp

Cat No: IG 33

Price: Free of charge (1 book)  
\$2.00 (each additional copy)

## **Conveyor Belt Safety**

This program reviews conveyor belt safety. It includes fatalities, accident analysis, occupations, guarding, safety tips, and best practices.

MSHA 2008 1 CD

Cat No: IG 108-CD

Price: \$10.00

## **Electrical Calculations**

This book is designed to assist industry, labor, and the inspection force in obtaining compliance in electric motor circuit calculation.

MSHA/WV Office of Miners'  
Health, Safety and Training  
2003 105 pp

Cat No: OT 19

Price: Free of charge (1 book)  
\$5.00 (each additional copy)

# Printed Training Materials

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## Electrical Hazards (C/MNM)

Electricity is used to power most mining equipment (in underground mines, in surface mining drilling and loading operations, in preparation plants and in mills). This safety manual covers hazards of electricity, focusing on electrical shock and electrical arcs and presents methods of controlling these hazards.

MSHA Rev 2003      50 pp  
Cat No:      SM 9  
Price:      Free of charge (1 book)  
              \$2.00 (each additional copy)

## Federal Mine Safety and Health Act of 1977

This book contains complete texts of the 1977 Act and the 2006 MINER Act.

MSHA Rev 2007      101 pp  
Cat No:      OT 53  
Price:      Free of charge

## Front-End Loader Hazard Awareness Program (C/MNM)

This program covers front-end loader hazard recognition and avoidance in and around coal and metal/nonmetal operations.

MSHA Rev 2001      38 pp  
Cat No:      IG 76  
Price:      Free of charge (1 book)  
              \$3.00 (each additional copy)

## Haul Road Inspection Manual

The design and maintenance of haul roads play an important role in surface haulage safety. This handbook provides guidance for conducting a safety inspection of a mine's haul roads and includes summaries of MSHA's standards that apply to haul roads.

MSHA 2000      58 pp  
Cat No:      IG 58  
Price:      Free of charge (1 book)  
              \$4.00 (each additional copy)

## HazCom Information

This CD holds about ten (10) hours of PowerPoint presentations on virtually every major aspect of MSHA's Hazard Communication Standard. These presentations include notes, illustrations, and photographs to help your audience better understand HazCom and chemical terminology. The presentations include chemical injuries and illnesses in mining, basic chemical families, basic toxicology, labeling, MSDSs, exemptions, and written programs.

MSHA 2002      1 CD  
Cat No:      OT 51-CD  
Price:      \$10.00

## Heat Stress in Mining (MNM)

This safety manual deals with heat stress and strain and heat control mechanisms in the human body. It describes signs of and treatment for heat-related disorders. Heat stress control measures are noted.

MSHA Rev 2012      21 pp  
Cat No:      SM 6  
Price:      Free of charge (1 book)  
              \$2.00 (each additional copy)

Also available in Spanish (SM 6-S). See following description.

## Tensión de Calor en la Minería (MNM)

Trata de tensión y fatiga causadas por calor y los mecanismos de control en el cuerpo humano. Describe señales de y primeros auxilios por enfermedades causadas por el calor. Se notan medidas de control por la tensión de calor.

MSHA Revisado 2000  
32 páginas  
Número de Catálogo: SM 6-S  
Precio:      Gratis (1 libro)  
              US\$ 2.00 (cada copia adicional)

# Printed Training Materials

## Instructor Training Workshop Guide

This guide is designed to provide the fundamentals of instruction for potential instructors. It may also be used as a refresher course for experienced instructors.

MSHA Rev 2006  
Cat No: IG 24a (Specific to Part 48) 75 pp  
IG 24b (Specific to Part 46) 75 pp  
Price: Free of charge (1 book)  
\$4.00 (each additional copy)

## Introduction to Longwall Mining

This guide is designed to assist trainees in gaining knowledge of longwall mining and the associated hazards. It addresses the conditions affecting roof control, face support, set-up and recovery, as well as roof control plans for the longwall systems.

MSHA Rev 2020 90 pp  
Cat No: IG 70  
Price: Free of charge (1 book)  
\$4.00 (each additional copy)

## Job Safety Analysis (C/MNM)

This training package contains lesson plans, handouts, visuals, and student text for Job Safety Analysis procedures. It allows the user to be able to identify hazards and to develop step-by-step procedures to provide the safest, most efficient way to complete a major task.

### Books

- Instructor's Guide 168 pp
- Student's Text 14 pp

MSHA Rev 2001  
Cat No: CI 28 (Instructor's Guide)  
CI 28a (Student's Text)  
Price: \$5.00 (Instructor's Guide)  
\$2.00 (Student's Text)

## Material Handling Safety at Surface Mines, Mills, and Plants (C/MNM)

This CD and book contain an interactive, self-paced training course using visuals and discussion on safety in material handling and storage. Trainers, safety personnel, supervisors, or others can use the CD to conduct classes or use as a self-study. This CD contains 132 PowerPoint slides with speaker notes. A WORD file is included for printing easy-to-read copies of the material for self-study, pre-class review of course material, in-class instructor use, course handouts, or reference.

MSHA Rev 2006 1 CD  
Cat No: IG 89-CD  
IG 89a Book 132 pp  
Price: \$10.00 (CD)  
\$5.00 (Book)

## Mine Electricity (MNM)


This guide is designed to train Federal mine inspectors in the inspection of electrical systems and units in both underground and surface mines, in accordance with 30 CFR 56 and 30 CFR 57 (MNM).

### Books

- Instructor's Guide MNM) 240 pp
- Student's Text (MNM) 194 pp

MSHA Rev 2013  
Cat No: CI 8 (Instructor's Guide)  
CI 8a (Student's Text)  
Price: \$6.00 CI 8  
\$5.00 CI 8a

## Mine Electricity Surface and Underground Entry Level Training – Volumes 1 and 2

 Volume 1 is designed to assist inspector trainees, in conjunction with classroom training, in gaining basic electrical knowledge, associated hazards, and the application of regulations and policies used to regulate the mining industry.

# Printed Training Materials

Volume 2 is designed to assist inspector trainees, in conjunction with classroom training, in gaining knowledge of electrical hazards and the application of regulations and policies used to regulate the mining industry not covered in Volume 1.

Both volumes include 30 CFR regulations found in Parts 56, 57, 75, and 77, as well as associated policies listed in the Program Policy Manual.

MSHA 2020 Volume 1 - 208 pp  
Volume 2 - 206 pp

Cat No: CI 9  
Price: Free of charge (1 book)  
\$6.00 (each additional copy)

## Mine Gases (C/MNM)

This safety manual is a complete reference on the sources and properties of mine gases (including explosive and toxic effects). It discusses means of detection, identification, analysis and legal requirements for each gas found in mine air, and also includes mine gas control methods.

MSHA Rev 2013 38 pp

Cat No: SM 2  
Price: Free of charge (1 book)  
\$2.00 (each additional copy)

## Mine Illumination (C)

This guide describes the eye and how low and high lighting levels affect vision. It includes a brief history of types of lighting used in mines from ancient times. It explains MSHA standards and policies that require illumination in mines (underground and surface), how to meet these requirements, how light levels are measured, and where to get assistance.

MSHA Rev 2003 81 pp

Cat No: IG 53  
Price: Free of charge (1 book)  
\$4.00 (each additional copy)

## Mine Maps - Underground - Coal Mine Inspector

This book works in conjunction with the Ventilation Course (CI 26). Mine maps are essential for the safe and healthy operation of an underground coal mine. Surveying and mapping errors or the lack of accurate information on mine maps have contributed to past mine disasters.

MSHA Rev 2014 9 pp

Cat No: CI 40a  
Price: Free of charge (1 book)  
\$2.00 (each additional copy)

## Mine Rescue Training Modules (C/MNM)

MSHA's Mine Rescue Instructional Guide (IG) series is intended to help your mine meet the mine rescue team training requirements under 30 CFR Part 49. The material in this series is divided into self-contained units of study (modules). Each module covers a separate subject and includes suggestions, handouts, visuals, and text materials to assist you with training.

MSHA Rev 2013

Cat. No: IG 5 – Introduction 45 pp  
IG 6 – Metal/Nonmetal 368 pp  
IG 7 – Advanced Coal 390 pp  
IG 7a – Advanced Skills Training/Activities for Coal Teams 60 pp

Price: \$4.00 IG 5 – Introduction  
\$7.00 IG 6 – Metal/Nonmetal  
\$7.00 IG 7 – Coal  
\$4.00 IG 7a – Coal

## Miners' Rights and Responsibilities Under the Federal Mine Safety and Health Act of 1977, Guide to (C/MNM)

This guide summarizes the rights and responsibilities of miners, their representatives, and applicants for mine work under the Federal Mine Safety and

# Printed Training Materials

Health Act of 1977. It is intended as a guide only and not as an “official” statement of the law or as a source for legal interpretations of the Act.

MSHA Rev 2018 45 pp  
Cat No: OT 2 - CD  
OT 2 - Book  
OT 2a - Pocket Card  
OT 2b - Wallet Card  
Price: Free of charge

Also available in Spanish (OT 2-S). See following description.

## **Derechos y Responsabilidades de los Mineros Bajo la Ley Federal Seguridad y Salud en las Minas, del 1977, Guía para (C / MNM)**

Resume los derechos y responsabilidades de los mineros, sus representantes y solicitantes de trabajos mineros en virtud de la Ley Federal de Seguridad y Salud en las Minas, del 1977. Diseñado intencionalmente tan solo como una guía y no como una declaración “oficial” de la ley o como una fuente para interpretaciones legales de la Ley.

MSHA Rev 2018 45 pp  
Cat No: OT 2-S - CD  
OT 2-S - Libro  
OT 2a-S - Tarjeta de Bolsillo  
OT 2b-S - Tarjeta de Billetera  
Price: Libre de Cargos

## **Mining Moments (C)**

This publication accompanies DVD 622 - Mining Moments. It contains suggested discussion points that the trainer may follow after viewing each of the vignettes on the DVD. See Training Materials on DVD section for Mining Moments DVD 622.

MSHA 2008 12 pp  
Cat No. IG 104  
Price: Free of charge (1 book)  
\$2.00 (each additional copy)

## **MSA W-65 Self-Rescuer**

This program instructs underground workers and visitors in the proper use of this self-rescuer. It provides students with working knowledge of the device and the ability to use the self-rescuer in an emergency. The 11 basic steps are pictured on PowerPoint slides as well as a pocket card. A CD with a PowerPoint presentation of the entire manual is also available.

MSHA Rev 2014 20 pp  
Cat No: IG 2-CD  
IG 2 (book)  
Cards: 100 cards per pack  
Price: Free of charge (1 book, 1 card)  
\$2.00 (each additional book)  
\$10.00 (1 book, 1 CD)  
\$5.00 (per pack of cards)

## **One Inspector - Hoists/Elevators**



This publication is designed to assist inspector trainees, in conjunction with classroom training, in gaining a general understanding of emergency/mechanical escape facilities, how hoists and elevators are used, the hazards associated with them, and regulations that help ensure their safe operations. This book includes 30 CFR regulations found in Parts 56, 57, 75, and 77, as well as associated policies listed in the Program Policy Manual. It outlines basic information on what to look for and where to look, and includes suggested inspection procedures.

MSHA 2020 209 pp  
Cat No: CI 18  
Price: Free of charge (1 book)  
\$6.00 (each additional copy)

## **On-The-Job Training Modules — Anthracite and Bituminous Coal Preparation Plants and Shops**

This guide was developed cooperatively by MSHA and members of the anthracite and bituminous coal mining industry. It is designed to supplement

# Printed Training Materials

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existing training programs and assist the industry in conducting effective on-the-job training (OJT).

Topics include:

1. Plant Operation
2. Plant Maintenance and Repair
3. Maintaining Conveyor Systems
4. Welding and Cutting
5. Electrical Procedures for Non-Electricians
6. Thermal Dryer Operation
7. Railcar Handling
8. Barge Haulage/Dredge Operations
9. Barge Loading Facilities
10. Front-End Loader Operation
11. Truck Haulage
12. Bulldozer Operation
13. Mobile Crane Operation
14. Ladders and Scaffolds
15. Manual Handling of Materials
16. Prevention of Slips and Falls
17. Equipment Lockout Procedures

MSHA Rev 2008 250 pp

Cat No: IG 49

Price: Free of charge (1 book)  
\$6.00 (each additional copy)

## **On-The-Job Training Modules — Sand, Gravel, and Crushed Stone**

This guide was developed cooperatively by MSHA and members of the sand, gravel and crushed stone industries. It is designed to supplement existing training programs and assist the industry in conducting effective on-the-job training (OJT).

Topics include:

1. Starting the Plant
2. Plant Clean-Up
3. Plant Shutdown
4. Plant Operation
5. Maintaining Conveyor Systems
6. Plant Repair
7. Welding and Cutting
8. Equipment Lockout Procedures
9. Electrical Procedures for Non-Electricians

10. Truck Haulage
11. Ground Control
12. Inspecting and Replacing Cables (Wire Ropes)
13. Replacing the Drive Chain or Belt on a Screw Conveyor
14. Manual Handling of Materials
15. Using an Overhead Hoist to Lift or Handle Parts or Material
16. Handling Material with Shop Overhead Traveling Crane
17. Primary Crushing Operation
18. Operating Drilling Equipment
19. Transportation, Use, and Storage of Explosives

Each module contains a description and a generic job safety analysis (JSA) of a job common to sand, gravel and crushed stone operations.

MSHA Rev 2009 204 pp

Cat No: IG 40

Price: Free of charge (1 book)  
\$6.00 (each additional copy)

Also available in Spanish (IG 40-S). See following description.

## **Módulos de Capacitación en el Trabajo: Arena, Gravilla y Piedra Triturada**

Esta guía fue desarrollada en cooperación de MSHA y miembros de las industrias de arena, gravilla y piedra triturada. Está diseñado para complementar los programas de capacitación existentes y ayudar a la industria a realizar una capacitación en el trabajo (OJT) eficaz. Los temas incluyen:

1. Arrancando la Planta
2. Limpieza de la Planta
3. Cierre de la Planta
4. Operación de Planta
5. Mantenimiento de Sistemas Transportadores
6. Reparación de Planta
7. Soldadura y Corte
8. Procedimientos de Bloqueo de Equipos

# Printed Training Materials

9. Procedimientos Eléctricos para no Electricistas
10. Transporte de Camiones
11. Control de Tierra
12. Inspección y Reemplazo de Cables (cables metálicos)
13. Reemplazo de la Cadena de Transmisión o la Correa en un Transportador de Tornillo
14. Manipulación Manual de Materiales
15. Uso de un Polipasto Aéreo para Levantar o Manipular Piezas o Materiales
16. Manipulación de Material con Grúa-Puente de Taller
17. Operación de Trituración Primaria
18. Operación de Equipos de Perforación
19. Transporte, Uso y Almacenamiento de Explosivos

Cada módulo contiene una descripción y un análisis genérico de seguridad laboral (JSA, por siglas en Ingles) de trabajo común a las operaciones de arena, gravilla y piedra triturada.

MSHA Rev 2009      204 pp  
Num. de Cat: IG 40-S  
Precio:      Gratis (1 libro)  
                 \$6.00 (cada copia adicional)

## Part 45 – Coal and Metal/Nonmetal Entry Level Training

This program covers 30 CFR Part 45 which pertains to the regulations covering independent contractors. Based on case studies, students will determine whether citation(s) or order(s) must be issued to the independent contractor, to the mine operator, or to both.

MSHA Rev 2001      14 pp  
Cat No:      CI 32  
Price:      Free of charge (1 book)  
                 \$2.00 (each additional copy)

## Part 46 Reference Guide



This reference guide is designed to assist mining operations that are regulated by MSHA's Part 46. It provides regulations, policies, and a compliance guide. It includes a blank training plan, sample lesson plans, and training records.

MSHA 2017    122 pp  
Cat No:      OT 54  
Price:      \$5.00

Also available in Spanish (OT 54-S). See following description.

## Parte 46 Guía de Referencia

Esta guía de referencia fue diseñada para ayudar a los operaciones mineras que están reguladas por las regulaciones de la Parte 46 de MSHA. Ella proporciona regulaciones, políticas y una guía de cumplimiento. Incluye un plan de capacitación en blanco, muestra de lecciones y registros de capacitación.

MSHA 2017    122 páginas  
Número de Catálogo: OT 54-S  
Precio:      \$5.00

## Part 46 Training Packet — Introduction to the Work Environment

This package has 10 sections that review various subjects which can be discussed with trainees in an Introduction to the Work Environment as required under the provisions of Part 46. Topics include Surface Machinery, Surface Machinery Safety, Dredges and Barges, Haulage, Processing (Milling and Crushing), Conveyors, Electricity in Mining, Welding, Blasting and Explosives, and Sand and Gravel.

MSHA 2000    75 pp  
Cat No:      IG 31  
Price:      Free of charge

# Printed Training Materials

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## **Part 46 Training — Sand and Gravel Mines (MNM)**

This guide is designed for use only at sand and gravel mines. It repeats general materials contained in IG 19 Surface Mines Program (located in historical section) but has changes and additions specific to sand and gravel operations.

MSHA Rev 2001      248 pp  
Cat No:            IG 18  
Price:              \$6.00

## **Part 46 and 48 Reference Guide**

This reference guide is designed to assist mining operations that are regulated by MSHA's Part 46 and Part 48. It provides regulations, policies, and compliance guides. It includes sample training plans, sample lesson plans, and sample training records. (This book is a combination of OT 54 and OT 55).

MSHA Rev 2017      282 pp  
Cat No:            OT 56  
Price:              \$8.00

## **Part 48 Reference Guide**

This reference guide is designed to assist mining operations that are regulated by MSHA's Part 48. It provides regulations, policies, and a compliance guides. It includes a sample training plan, sample lesson plans, and sample training records.

MSHA Rev 2017      162 pp  
Cat No:            OT 55  
Price:              \$6.00

## **Permissibility - Electric Equipment**

This safety manual is to assist mine operators and MSHA personnel in training miners on the definitions, mandatory requirements, and other information concerning both MNM and Coal electric-driven mining equipment.

MSHA Rev 2015      32 pp  
Cat No:            SM 16

Price:              Free of charge (1 book)  
\$2.00 (each additional copy)

## **Personal Protective Clothing and Equipment (C/MNM)**

Use of personal protective clothing and 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 head, eye, face, foot and body protection devices and respiratory protection devices.)

MSHA Rev 2010      69 pp  
Cat No:            SM 14  
Price:              Free of charge (1 book)  
\$2.00 (each additional copy)

## **Principles of Trailer Towing**

This instruction guide is designed to provide fundamental safety awareness and best practices associated with trailer towing. The materials contained in this guide will familiarize course participants with the fundamental concepts of towing safety and the practices associated with operating a motor vehicle while towing a trailer.

Specific topics covered in these training materials include types of towing hitches and related equipment, the pre-trip inspection, load securing and balancing methods, and basic defensive driving techniques.

The CD includes the instruction guide with lesson plans and a PowerPoint presentation.

MSHA 2007            1 CD  
Cat No:            IG 102-CD  
IG 102 (book)  
Price:              \$10.00 (CD)  
Free of charge (1 book – 128 pp)  
\$5.00 (each additional book)

# Printed Training Materials

## Program Policy Manual

Summary of MSHA's policies in the areas listed below:

- Volume I - 1977 Mine Act
- Volume II - Testing and Evaluation
- Volume III - 30 CFR Parts 40-50 and Part 100
- Volume IV - Metal/Nonmetal Mines
- Volume V - Coal Mines

MSHA Updated each year

Cat No: OT 15 (Coal – I, II, III, V)  
OT 16 (Metal/Nonmetal – I, III, IV)  
OT 17 (General Interest – I-V)

Price: OT 15 \$7.00  
OT 16 \$6.00  
OT 17 \$7.00

Can also be found at <https://arlweb.msha.gov/REGS/COMPLIAN/PPM/PMMAINTC.HTM>

## Radiation Hazards in Mining

This safety manual deals with the occurrence of lung cancer from breathing radioactive dust particles. It covers radon daughter hazards, radiation control, and medical surveillance measures for mine personnel.

MSHA Rev 2003 21 pp

Cat No: SM 7

Price: Free of charge (1 book)  
\$2.00 (each additional copy)

## Rigging, Hoisting, and Towing Safety

This program provides an introduction to hazard recognition and safety practices related to rigging, hoisting, and towing. Topics include Fatalities, Accident Statistics, Chains and Slings, Hoisting and Crane Safety, Quiz and Conclusion, and a 140-frame PowerPoint Appendix of additional material.

MSHA 2008

Cat No: IG 107-CD

Price: \$10.00

## Roof and Rib Control (C)

This training package of lesson plans, handouts, visuals, and student text is designed to train Federal mine inspectors in roof control plans and mandatory standards related to roof and rib control.

MSHA Rev 2003 322 pp

Cat No: CI 20

Price: \$7.00

## Rubber-Tired Front-End Loader and Forklift Truck Accident Prevention (C/MNM)

This guide is designed to show safe working procedures for front-end loaders and forklift trucks.

MSHA Rev 2005 57 pp

Cat No: IG 30

Price: Free of charge (1 book)  
\$4.00 (each additional copy)

## Sampling for Silica and Noise — A Handbook for Metal/Nonmetal Miners and Mine Operators

This handbook provides miners and mine operators with basic information on sampling methods and procedures. It is based on the course materials for Industrial Hygiene: Sampling for Silica and Noise (IG 13).

MSHA Rev 2007 42 pp

Cat No: IG 29

Price: Free of charge (1 book)  
\$3.00 (each additional copy)

## SLAM Risks

This publication is intended to be used by trainers as introductory materials for risk assessment training. The information should help make the participant more aware of how risk assessment impacts the everyday tasks that are performed in the mining industry.

MSHA 2005 30 pp

Cat No: IG 87

Price: Free of charge (1 book)  
\$3.00 (each additional copy)

# Printed Training Materials

## Surface Haulage and Equipment (C/MNM)

This course covers a wide variety of topics relating to surface coal and metal/nonmetal mine haulage regulations and procedures.

### Books

- Instructor's Guide 750 pp  
MSHA Rev 2005

Cat No: CI 22  
Price: \$11.00

## Tire and Rim Safety Awareness Program (C/MNM)

This guide is designed for trainers of coal and metal/nonmetal mine personnel. It covers the handling and servicing of multi- and single-piece rim wheels.

MSHA Rev 2010 42 pp  
Cat No: IG 60  
Price: Free of charge (1 book)  
\$4.00 (each additional copy)

Also available in Spanish (IG 60-S). See following description.

## Programa de Concientización Sobre Seguridad de Llantas y Aros (C/MNM)

Diseñado para capacitadores de personal de las minas de carbón y de metal y no-metal. Cubre el manejo y servicio de llantas y aros de una pieza y de piezas múltiples.

MSHA Rev 2010 42 pp  
Cat No: IG 60-S  
Precio: Libre de Cargo (un Libro)  
\$4.00 (por cada copia adicional)

## Training Materials Collection for Metal/Nonmetal Mines

This CD is a collection of PowerPoint presentations and video clips intended to be used as supplementary training materials for new and/or experienced surface and underground metal/nonmetal miners.

Accident prevention is stressed in each item. Topics include: Aging Workforce, Back Injury Prevention, Bad Weather, Brake-Related Accidents, and Bucket Maintenance.

Programs related to conveyor safety include: Conveyor Belt Safety, Conveyor Best Practice Cards, Conveyor Safety Ideas, and new and revised versions of a Conveyor Guarding video. Additional subjects: Fall Protection Outreach, Hand Tools, Haul Truck Pre-Operation Inspection, Highwall Fall Prevention, and a video about Highwall Collapse and Fall Protection.

Other material reviews: Maintenance, New Miner Fatalities, New Miner Training, Mounting and Dismounting Equipment, Slips and Falls From Equipment, Welding Safety, and Wheel Rim Compatibility. The CD includes material related to the SLAM Risk program such as Make the Right Decision. Also included is a SLAM Risk webcast and an Instructional Guide.

MSHA 2008  
Cat No: IG 106-CD  
Price: \$10.00

## Training Materials Collection for Surface and Underground Coal Mines

This CD is a collection of PowerPoint presentations intended to be used as supplementary training materials for new and/or experienced surface and underground coal miners.

Topics include: Electrical Hazards and Controls, Electrical and Powered Haulage Safety, Electrical Safety, Evaluating Ground Control Hazards in Underground Coal Mines, and Roof Control.

Other subjects are: Continuous Miner Hazards, Pre-Operational Inspections, Brakes, and Surface Haulage. The last group of materials reviews Maintenance, Hand Tools, and Material Handling. Accident prevention is stressed in each item.

MSHA 2008  
Cat No: IG 105-CD  
Price: \$10.00

# Printed Training Materials

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## **Ventilation I - Coal Mine Inspector**

This course concentrates on ventilation-related hazards addressed by, and requirements contained in, 30 CFR Part 75, Subpart D. Subpart D primarily governs the use of mine ventilation to prevent gas ignitions and explosions, and to provide safe air quality. Other provisions of Subpart D address mine examinations, atmospheric monitoring, escapeways, protection against mine fires, and mine inundation hazards. This course focuses on basic ventilation, fans, gases, airflow and other measurements, face and working area ventilation and controls, outby ventilation, and ventilation plans.

MSHA Revised 2014 621 pp

Cat No: CI 26

Price: Free of charge (1 book)

\$10.00 (each additional copy)

## **Ventilation II - Coal Mine Inspector - Student Text**

This course and the Ventilation I course concentrate on ventilation-related hazards addressed by, and requirements contained in, 30 CFR Part 75, Subpart D. This course focuses on seals, bleeders, and belt air.

MSHA Revised 2014 448 pp

Cat No: CI 27a

Price: Free of charge (1 book)

\$8.00 (each additional copy)

# Training Materials on DVD

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This section lists DVDs by title and number, with a detailed description of each. If Spanish translations are available, both the English and Spanish versions are on the same DVD. These are designated by an “S” after the DVD number.

## Academy Promo

Authorized by Congress in 1969, the National Mine Health and Safety Academy serves as the central training facility for MSHA mine inspectors and mine safety and health professionals from other government agencies, the mining industry, and labor. Our goal is to improve the safety and health of our miners through education.


MSHA 2008 7 min  
Cat No: DVD 624  
Price: \$10.00

## Aggregate Milling Operations (MNM)

This DVD can be used in individual instruction, review or group training in a variety of settings. It describes typical operations of aggregate plant, including crushing, screening, conveying and maintenance.

MSHA/NSSGA 2011 19 min  
Cat No: DVD 638  
Price: \$10.00

## Aggregate Safety Series: Dredging

 This DVD focuses on training requirements and best safety practices for dredging operations that extract and process sand and gravel. Dredging is an aggregate mining activity, an operation usually carried out at least partly underwater, with the purpose of extracting material from the bottom and then sending it to shore by pipelines or pontoon-mounted conveyor belts. This DVD provides a general overview of a broad range of topics directed towards those working around dredging operations. This video is intended to be introductory information and instruction. A viewer will gain a basic understanding of working around a dredge.

MSHA 2018 33 min  
Cat No: DVD 644  
Price: \$10.00

## Black Lung: A History

This film chronicles the history of the West Virginia and national movement of miners, doctors, and Congressmen to pass legislation, first in the West Virginia Legislature, and then nationally in Congress, to protect miners from Black Lung.

MSHA 2009 28 min  
Cat No: DVD 630  
Price: \$10.00

## D-Train

This is a story about a rural west Tennessee community where everyone knows one another and where life seemingly revolves around the community school which is pre-K through 12. This is a town where all of the local high school athletes are household names. Detris Willis, the “D-Train,” was a bigger than life heavily recruited superstar high school football player who captivated the attention of the entire county.

The summer prior to his much anticipated senior season, he tragically lost his life swimming in an abandoned quarry. This video is based upon a small town, Detris Willis, and our message, “Stay Out and Stay Alive.”

MSHA 2008 10 min  
Cat. No: DVD 625  
Price: \$10.00

## Dilemma of the Desert – Real Life Experiences

This DVD contains two personal stories revealing the dangers of abandoned mines.

MSHA 2008  
Cat. No: DVD 627  
Price: \$10.00

# Training Materials on DVD

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## Dimension Stone

Dimension stone is an industry that produces the decorative architectural building blocks, monuments, slabs, curbing, tiles and landscaping products. Although quarries that contain dimension stone can produce aggregates, they may also produce the spectacular dimension stone products containing rich texture, color and appearance. This video shows the proper safety practices used in the industry and how mining methods differ from those used in aggregate mines.

MSHA 2009 20 min

Cat. No: DVD 632

Price: \$10.00

DVD includes both English and Spanish versions – see following Spanish description.

## Piedra Dimensional

La industria de la piedra dimensional produce bloques arquitectónicos decorativos para construcción, monumentos, losas, baldosas y productos para arquitectura del paisaje. Aún cuando las canteras que contienen piedras dimensionales pueden producir aglomerados, también pueden producir productos espectaculares de piedra dimensional, ricos en textura, color y apariencia. El propósito de este video es mostrar las prácticas de seguridad apropiadas para la industria, y cómo los métodos de extracción difieren de los utilizados en las minas de aglomerados.

MSHA 2009 20 minutos

Número de Catálogo: DVD 632-S

Precio: US\$ 10.00

## Escape From Farmington No. 9 – An Oral History (C)(DVD)

On November 20, 1968, a massive explosion rocked the underground workings of Mountaineer Coal Company's Farmington No. 9 Mine in West Virginia. Of the 99 miners who were working in the mine at the time of the explosion, only 21 survived and escaped the mine. This group included eight who were rescued from the Mahan's Run air shaft.

Nearly 40 years after the event, researchers from the NIOSH Pittsburgh Research Laboratory conducted oral history interviews with two of the eight survivors rescued from the shaft.

MSHA 2009 25 min

Cat No: DVD 635

Price: \$10.00

## Independent Contractor Training (C/MNM)

Contractors face many hazards when working at the mine sites. This DVD provides you with the tools and knowledge you need to comply with the various Federal and state regulations that pertain to your work on mine sites and to ensure the ultimate safety of your employees. This DVD was produced in cooperation with the Virginia Transportation Construction Alliance.

MSHA 2011 12 min

Cat No: DVD 640

Price: \$10.00

## Introduction to Mine Rescue Team Training and Competition, An

This video covers the basis for the safe, efficient rescue and recovery methods followed during a mine rescue competition. Trained personnel, readily available in the event of a disaster, are vital in the development of an efficient mine rescue team. Experience has shown that efficiency in mine rescue training can be promoted by having mine rescue crews compete in mine rescue contests. This video is intended to be introductory information and instruction. A viewer will gain a basic understanding of the workflow and procedures that a mine rescue team follows during a mine rescue competition.

MSHA 2009 8 min

Cat No: DVD 631

Price: \$10.00

# Training Materials on DVD

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## **Loadout Lessons: Success on the Stockpile (C)**

This DVD tells about the successful rescue of a dozer operator who was trapped in a void in a coal stockpile. Several new safety features were put into place at this operation such as GPS, video cameras and remote control 3-stop to help prevent a reoccurrence of this type of accident.

MSHA 2014 13 min

Cat. No: DVD 642

Price: \$10.00

## **Making Work Areas Safer**

### **“Visibility”**

Visibility at underground mines is a problem for people on foot around big machinery. Visibility in intersections, through curtains, and around corners is hampered. Machinery operating in this environment creates a danger. To reduce this ever present danger let's look at a best practice that has shown to reduce the risk. (4 minutes)

### **“The Tucker Project”**

Twelve-year-old Taylor Tucker presents her award winning Social Studies project about underground coal mine safety to an audience of underground coal miners. (9 minutes)

MSHA 2009 12 min

Cat No: DVD 637

Price: \$10.00

## **Proper Techniques for Constructing Concrete Block Stoppings**

Permanent stoppings are the primary means of controlling ventilation airflows underground. Thus, it is important that the persons responsible for underground ventilation understand proper stopping construction techniques and realize the potential savings that can result from their use.

MSHA 2008 5 min

Cat. No: DVD 628

Price: \$10.00

## **Roof Fall Entrapment: Survivors and Eye Witness Accounts (C)**

Miners who either witnessed or were involved in a roof fall accident discuss their experiences, thoughts, and renewed respect for complying with safe work procedures and maintaining roof support systems. This DVD is designed to motivate miners to be more aware of roof conditions and to comply with roof control plans.

MSHA Rev 2009 66 min

Cat No: DVD 620

Price: \$10.00

## **Seven: An Inundation Experience (C)**

During the evening of May 8 and early morning of May 9, 2009, heavy rains and area flooding occurred in southern West Virginia, devastating families, homes and communities. During this time, seven families waited as seven coal miners found themselves trapped underground for approximately 32 hours due to an inundation of surface run-off water. This is the story of these seven miners.

MSHA 2009 18 min

Cat No: DVD 633

Price: \$10.00

## **SLAM RISKS the SMART Way – Seat Belt Safety**

This program is to assist the mining industry with identifying hazards and managing risks. In this video a company Safety Director will use this program to instruct other company personnel about the importance of wearing seat belts. Miners will be taught how to Stop, Look, Analyze, and Manage any hazards that may be associated with the task at hand while mine management will use the SMART tool to manage risks that may be encountered as part of a task.

MSHA 2007 15 min

Cat No: DVD 600

Price: \$10.00

DVD includes both English and Spanish versions – see following Spanish description.

# Training Materials on DVD

## **SLAM RISKS la manera inteligente - Cinturon de Seguridad**

SLAM RISKS la Manera Inteligente es un programa que ha sido desarrollado para asistir a la industria minera mediante la identificación y el manejo de riesgos. En este video el Director de Seguridad de una compañía, usará este programa para instruir a al personal de otra compañía, sobre la importancia de utilizar sus cinturones de seguridad. A los mineros les será enseñado como detener, mirar, analizar y manejar cualquier riesgo que pueda ser asociado a las tareas de trabajo mientras que la gerencia de minas utilizará la herramienta SMART para manejar los riesgos que puedan ser encontrados como parte de una tarea.

MSHA 2007 15 minutos

Número de Catálogo: DVD 600-S

Precio: US\$ 10.00

## **Slope and Shaft Inspections**

This video shows MSHA officials making an inspection of various slope and shaft operations. You will see that the equipment, underground environment, and mining and construction methods are quite different from a normal mining cycle; but through inspections, proper safety and health training, and everyone's commitment to safety, accidents and injuries in the development of slopes and shafts can be reduced or eliminated. (Closed Captioned)

MSHA Rev 2008 20 min

Cat No: DVD 565

Price: \$10.00

## **Stay in the Cab and Keep It On! A Survivor's Story**

A serious equipment roll-over accident involving a small articulating front-end loader occurred at a New Jersey quarry in the fall of 2005. The survivor of this accident, who is a supervisor at this quarry, shares his story of the events that took place on the day of the accident. (Closed Captioned)

MSHA 2006 11 min

Cat No: DVD 550

Price: \$10.00

## **Supervising the Unimaginable**

This DVD was produced by American Infrastructure and Martin Stone Quarries. Everyone tries to lead responsibly. Will you look at things differently after you've experienced a fatality on your watch? Hear it from three managers from different companies who have been there.

American Infrastructure and Martin  
Stone Quarries 2006 14 min

Cat No: DVD 566

Price: \$10.00

## **Surface Conveyor Safety**

Conveyor belts are the primary method of material haulage at many surface mines and may vary by size, tonnage capacity, and speed. This DVD shows that risks to workers can be reduced by following safe work practices during operation and maintenance, and by installing proper physical safeguards on the equipment. You will also hear three stories from miners who survived being caught in a conveyor.

MSHA 2008 18 min

Cat No: DVD 626

Price: \$10.00

## **Traffic Control for Surface Mining Operations**

All kinds and sizes of vehicles travel on mine roads. These vehicles are operated by drivers who travel these haulage roads on a daily basis, or sometimes for the very first time. This means that there is a need for good traffic control on mine haul roads. Setting up good traffic controls is an essential part of the overall planning of a mining operation. One of the most important elements in an effective traffic control plan is the use of signs.

MSHA 2010 16 min

Cat No: DVD 636

Price: \$10.00

# Training Materials on DVD

## Control de tráfico para la operación de minas superficiales

Vehículos de todos tipos y tamaños transitan por los caminos de las minas. Estos vehículos son operados por conductores que recorren los caminos de transporte diariamente o, en ocasiones, por primera vez. Esto significa que existe la necesidad de un buen control de tráfico en los caminos de acarreo de las minas. Establecer buenos controles de tráfico es una parte esencial de la planeación general de la operación de una mina. Uno de los elementos más importantes en un plan de control de tráfico efectivo es la utilización de señalizaciones.

MSHA 2010 16 minutos

Número de Catálogo: DVD 636-S

Precio: US\$10.00

## Truck Haulage Safety Series

This interactive DVD consists of seven videos, including:

- Brakes, Grades, and Runaways – Highway Trucks
- Brakes, Grades, and Runaways – Off-Road Trucks
- Highway Haulage Truck Inspection Conducted by MSHA Inspectors
- Inspection of Off-Road Haulage Trucks by an MSHA Inspector
- Pre-Operation Inspection of Highway Haulage Trucks by the Driver
- Pre-Operation Inspection of Off-Road Haulage Trucks by the Driver
- Visibility and Communications: Off-Road and Highway Trucks (C/MNM)

MSHA Rev 2008

Cat No: DVD 004

Price: \$10.00

## Underground Coal Mine Conveyor Belt System Inspection

This DVD explains the Mine Safety and Health Administration's inspection procedures for underground coal mine conveyor belt systems. It covers pre-inspection activities, early fire warning systems (Atmospheric Monitoring System and Point-Type Heat Sensor), belt drives and head rollers, belt take-up and super take-ups, belt structure and tail piece, and fire suppression systems (Water Sprinkler, Deluge and Dry Powder Chemical).

MSHA 2009

Cat No: DVD 014

Price: \$10.00

## Voice in the Workplace: Miners' Rights and Responsibilities (C/MNM)

This DVD dramatizes different issues that may arise relating to your rights and responsibilities under the Mine Act. Segments include: (1) A Miner's Concerns, (2) Hiring Decision, (3) Supervisors are Miners Too, (4) Work Refusal – The Bad, the Ugly and the Good, (5) Miners' Representation and Traveling With Inspector, and (6) Know Your Rights and Responsibilities.

MSHA 2011 18 min

Cat No: DVD 641

Price: \$10.00

## "We Are . . . MSHA"

Mining is an occupation where our miners face many dangerous working conditions. This is why the Mine Safety and Health Administration (MSHA) was formed. This video is an overview of our mission, which is to help improve workplace safety and health conditions in our Nation's mines through enforcement, education and training, and technical support.

MSHA 2004 9 min

Cat No: DVD 535

Price: \$10.00

DVD includes both English and Spanish versions – see following Spanish description.

# Training Materials on DVD

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## **“SOMOS.... MSHA”**

La explotación minera es una ocupación donde nuestros mineros hacen frente a muchas condiciones de trabajo peligrosas. Esta es la razón por la cual la Administración de la Seguridad y la Salud de la Mina (MSHA) fue formada. Este vídeo es una descripción de nuestra misión, que es ayudar a mejorar condiciones de la seguridad y de la salud del lugar de trabajo en las minas de nuestra nación con la aplicación, educación, entrenamiento y ayuda técnica.

MSHA 2004 9 minutos

Número de Catálogo: DVD 535-S

Precio: US\$10.00

## **Welding Safety (C/MNM)**

Welding is conducted at many mine sites. This DVD is to inform viewers about the welding processes. It reviews welding-related safety and health hazards along with respective regulations and good work “best” practices, including shielded metal arc welding, gas tungsten arc welding, and gas metal arc welding.

MSHA 2013 18 min

Cat No: DVD 639

Price: \$10.00

# Training Materials on CD

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This section lists CDs by title and number, with a detailed description of each.

These CDs may be used for self-paced study or by an instructor in classroom presentations. It is suggested you use the programs to complement training specific to your operation.

## Coal Firing Safety (MNM)

Explosions in coal-fired processes represent a significant injury risk to personnel, and can result in costly equipment repairs and extensive process downtime. This PowerPoint presentation gives an in-depth look at coal handling, pulverization and firing equipment, and the engineering, operational, maintenance and process control issues that affect safety. It explains the factors that influence coal explosivity, describes explosion prevention and protection strategies, and discusses best design and operating practices. It includes 19 case studies of coal firing accidents in the portland cement, lime, and lightweight aggregate industries, discusses the root causes, and lists the actions recommended to prevent recurrence. It is valuable for training operations, maintenance, engineering and safety personnel, and can be used as is or customized for specific companies or facilities.

MSHA 2009 1 CD  
Cat. No: IG 112-CD  
Price: \$10.00

## Conveyor Belt Safety

This program reviews conveyor belt safety. It includes fatalities, accident analysis, occupations, guarding, safety tips, and best practices.

MSHA 2008 1 CD  
Cat. No: IG 108-CD  
Price: \$10.00

## HazCom Information

This CD holds about ten (10) hours of PowerPoint presentations on virtually every major aspect of MSHA's Hazard Communication Standard. These presentations include notes, illustrations, and photographs to help your audience better understand HazCom and chemical terminology. The presentations include chemical injuries and illnesses in mining, basic chemical families, basic toxicology, label-

ing, MSDSs, exemptions, and written programs.

MSHA 2002 1 CD  
Cat No: OT 51-CD  
Price: \$10.00

## Material Handling Safety at Surface Mines, Mills, and Plants (C/MNM)

This CD and book contain an interactive, self-paced training course using visuals and discussion on safety in material handling and storage. Trainers, safety personnel, supervisors, or others can use the CD to conduct classes or use as a self-study. This CD contains 132 PowerPoint slides with speaker notes. A WORD file is included for printing easy-to-read copies of the material for self-study, pre-class review of course material, in-class instructor use, course handouts, or reference.

MSHA Rev 2006 1 CD  
Cat No: IG 89-CD  
IG 89a Book 132 pp  
Price: \$10.00 (CD)  
\$5.00 (Book)

## MSA W-65 Self-Rescuer

This program instructs underground workers and visitors in the proper use of the MSA W-65. It provides students with working knowledge of the device and the ability to use the self-rescuer in an emergency. The 8 basic steps are pictured on PowerPoint slides as well as a pocket card. A CD has a "reader" so the user can view the presentation without the need of the PowerPoint program.

MSHA Rev 2000 15 pp  
Cat No: IG 2-CD  
IG 2 (book)  
Cards: 100 cards per pack  
Price: Free of charge (1 book, 1 card)  
\$2.00 (each additional book)  
\$10.00 (1 book, 1 CD)  
\$5.00 (per pack of cards)

# Training Materials on CD

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## Principles of Trailer Towing

This instruction guide is designed to provide fundamental safety awareness and best practices associated with trailer towing. The materials contained in this guide will familiarize course participants with the fundamental concepts of towing safety and the practices associated with operating a motor vehicle while towing a trailer.

Specific topics covered in these training materials include types of towing hitches and related equipment, the pre-trip inspection, load securing and balancing methods, and basic defensive driving techniques.

The CD includes the instruction guide with lesson plans and a PowerPoint presentation.

Cat No: MSHA 2007 1 CD  
IG 102-CD  
IG 102 (book)  
Price: \$10.00 (CD)  
Free of charge (1 book – 128 pp)  
\$5.00 (each additional book)

## Rigging, Hoisting, and Towing Safety

This program provides an introduction to hazard recognition and safety practices related to rigging, hoisting, and towing. Topics include Fatalities, Accident Statistics, Chains and Slings, Hoisting and Crane Safety, Quiz and Conclusion, and a 140-frame PowerPoint Appendix of additional material.

Cat No: MSHA 2008  
IG 107-CD  
Price: \$10.00

## Training Materials Collection for Metal/Nonmetal Mines

This CD is a collection of PowerPoint presentations and video clips intended to be used as supplementary training materials for new and/or experienced surface and underground metal/nonmetal miners. Accident prevention is stressed in each item. Topics

include: Aging Workforce, Back Injury Prevention, Bad Weather, Brake-Related Accidents, and Bucket Maintenance.

Programs related to conveyor safety include: Conveyor Belt Safety, Conveyor Best Practice Cards, Conveyor Safety Ideas, and new and revised versions of a Conveyor Guarding video. Additional subjects: Fall Protection Outreach, Hand Tools, Haul Truck Pre-Operation Inspection, Highwall Fall Prevention, and a video about Highwall Collapse and Fall Protection.

Other material reviews: Maintenance, New Miner Fatalities, New Miner Training, Mounting and Dismounting Equipment, Slips and Falls From Equipment, Welding Safety, and Wheel Rim Compatibility. The CD includes material related to the SLAM Risk program such as Make the Right Decision. Also included is a SLAM Risk webcast and an Instructional Guide.

Cat No: MSHA 2008  
IG 106-CD  
Price: \$10.00

## Training Materials Collection for Surface and Underground Coal Mines

This CD is a collection of PowerPoint presentations intended to be used as supplementary training materials for new and/or experienced surface and underground coal miners.

Topics include: Electrical Hazards and Controls, Electrical and Powered Haulage Safety, Electrical Safety, Evaluating Ground Control Hazards in Underground Coal Mines, and Roof Control.

Other subjects are: Continuous Miner Hazards, Pre-Operational Inspections, Brakes, and Surface Haulage. The last group of materials reviews Maintenance, Hand Tools, and Material Handling. Accident prevention is stressed in each item.

Cat No: MSHA 2008  
IG 105-CD  
Price: \$10.00

# Pocket Cards

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MSHA has developed a series of pocket cards covering a variety of topics. Each pack contains 100 cards. One pack is free of charge. Additional packs cost \$5.00 each. Be sure to include the Card No. and quantity when ordering.

BP-1	Brake Systems	BP-12S	Lista de Verificación de Entrenamiento
BP-1S	Sistema de Frenos	BP-13	Maintenance, Repair and Construction
BP-2	Cab Inspection	BP-13S	Mantenimiento, Reparación y Construcción
BP-2S	Inspección de Cabina	BP-14	Operating Equipment Near a Body of Water
BP-3	Haulage Equipment Operators	BP-14S	Equipos Operados Cerca del Agua
BP-3S	Operadores de Equipo de Transporte	BP-15	Machinery Safety for Contractors
BP-4	Haulage Safety Attitude	BP-15S	Maquinaria para Contratistas
BP-4S	Actitud Sobre la Seguridad en Equipo de Acarreos	BP-16	Truck Driver Safety for Contractors
BP-5	Highway Truck Pre-Operation Inspection	BP-16S	Recomendaciones de Seguridad Para Contratistas Conductores de Camiones
BP-5S	Inspecciones Pre-Operativas para Camiones de carretera	BP-17	Electricity
BP-6	100-Ton or Greater Truck Pre-Operation Inspection	BP-17S	Seguridad Eléctrica
BP-6S	Inspecciones Pre-Operativas para Camiones de 100 o más Toneladas	BP-18	Drowning Prevention
BP-7	100-Ton or Less Truck Pre-Operation Inspection	BP-18S	Prevención Contra Ahogamientos
BP-7S	Inspecciones Pre-Operativas para Camiones de 100 o menos Toneladas	BP-19	Mechanics (MNM Contractors)
BP-8	Pre- & Post-Operation Inspection of Surface Haulage Equipment	BP-19S	Reparación y Mantenimiento Seguridad Para Contratista
BP-8S	Inspecciones pre-operativas y post-operativas a los equipos de carga de superficie	BP-20	Electrical Safety
BP-9	ROPS (Rollover Protective Structure) and FOPS (Falling Object Protective Structure)	BP-20S	Seguridad Eléctrica Para Contratistas
BP-9S	ROPS (Estructura Protectora de Rodillos y FOPS (Estructura Protectora Contra Caídas de Objetos	BP-21	Crane Safety (MNM Contractors)
BP-10	Steering	BP-21S	Grúas Para Contratistas
BP-10S	La Dirección	BP-22	Welding/Cutting (MNM Contractors)
BP-12	Truckers' Training Checklist	BP-22S	Soldadura y Corte Para Contratistas
		BP-23	Haulage (MNM Contractors)
		BP-23S	Carga Para Contratistas
		BP-24	Extended Cuts - Remote Control Miners
		BP-24S	Cortes Extendidos Mineros Operando Equipos a Control Remoto
		BP-25	Remote Control Miners

# Pocket Cards

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- BP-25S Mineros Operando Equipos a Control Remoto
- BP-26 Roof Evaluation and Examination
- BP-26S Evaluación y Examinación de Techos
- BP-27 Retreat Mining
- BP-27S Operaciones Mineras Finales
- BP-28 Roof Bolting
- BP-28S Pernando Techos
- BP-29 Moving to a New Location, Mine or Job
- BP-29S Moviéndose a Una Nueva Localización, Mina o Trabajo
- BP-30 Tire and Rim Safety (MNM)
- BP-30S Seguridad de Neumáticos y Rines
- BP-31 Drilling - Contractors (MNM)
- BP-31S Perforando Metal/No-Metal Para Contratistas
- BP-32 Blasting - Contractors (MNM)
- BP-32S Detonaciones y Explosivos Para Metal/No-Metal Para Contratistas
- BP-33 Pressure Vessels (MNM)
- BP-33S Recipientes a Presión Recipientes Explosivos
- BP-34 Surge Pile Safety
- BP-34S Seguridad en sitios de Almacenamiento
- BP-35 Electrical Safety in Mining
- BP-35S Seguridad Eléctrica en las Minas de Carbón
- BP-36 Haulage Roads
- BP-36S Vías de Carga
- BP-37 Highwall Drills
- BP-37S Taladrado de Corte Lateral
- BP-38 Suggested Safety Measures for Operating Equipment on Surge Pile
- BP-38S Medidas de Seguridad Sugeridas para Equipos Operando en Depósitos de Almacenamiento
- BP-39 Truck Drivers - Dump Sites
- BP-39S Conductores de Camiones – Sitios para Descargar
- BP-40 Truck Drivers - Safe Operating Procedures
- BP-40S Conductores de Camiones – Procedimientos de Operación Segura
- BP-41 Truck Drivers - Vehicle Capabilities
- BP-41S Conductores de Camiones – Capacidades de su Vehículo
- BP-42 Truck Drivers - Arrive Home Alive
- BP-42S Camiones de Carga – Llegue a Casa Vivo
- BP-43 Coal Mine Roof Bolter Operators and Helpers
- BP-43S Pernos de las Azotea de las Mina de Carbón Operadores y Ayudantes
- BP-44 Underground Powered Haulage Safety for Coal Miners
- BP-44S Seguridad para Sistemas de Carga Subterráneos en las Minas de Carbón
- BP-45 Roof and Rib Safety in Coal Mines
- BP-45S Seguridad en los Techos y Paredes Laterales de las Minas de Carbón
- BP-46 Coal Mine Longwall Section Employees
- BP-46S Minería de Carbón de Corte Transversal Sección de Empleados
- BP-47 Continuous Miner/Loading Machine Operators and Helpers
- BP-47S Minería Continua / Cargadores Operadores y Ayudantes de Maquinarias
- BP-48 Conveyor Safety Tips for Laborers
- BP-48S Sugerencias para los Obreros
- BP-49 Conveyor Safety Tips for Mechanics
- BP-49S Sugerencias para los Mecánicos
- BP-50 Conveyor Safety Tips for Plant Operators
- BP-50S Sugerencias para los Operadores de Planta
- BP-51 Conveyor Safety Tips for Supervisors

# Pocket Cards

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- BP-51S Sugerencias para los Supervisores
- BP-52 Hazardous Conditions: Posting, Correcting, and Recording (Coal)
- BP-52S Condiciones Peligrosas: Fijando, Corrigiendo, y Registrando
- BP-57 Crane Operation (Anthracite)
- BP-58 Electrical (Anthracite)
- BP-59 Hoisting/Man Trips (Anthracite)
- BP-60 Roof Bolter (Anthracite)
- BP-61 Safety Reminders for Truck Drivers at Dump Points (Anthracite)
- BP-62 Slips or Falls Underground (Anthracite)
- BP-63 Timberman/Miner (Anthracite)
- BP-64 Working Around Bins, Hoppers, and Draw-Off Tunnels (Anthracite)
- BP-65 Winter Alert
- BP-65S Alerta de Invierno para Mineros de Carbón
- BP-66 MSHA Notice for Contractors
- BP-66S Anuncio de la MSHA para Contratistas
- BP-67 Responsibilities of Independent Contractors Working on Mine Property
- BP-67S Responsabilidades de los Contratistas Independientes Trabajando en Propiedades Mineras
- BP-68 Repair and Maintenance of Surface Equipment
- BP-68S Reparación y Mantenimiento de Equipo de Superficie
- BP-69 Falling/Sliding Material, Highwalls and Banks
- BP-69S Material Deslizándose/Cayéndose de Barrancos y Paredes Altas
- BP-70 Slips and Falls on Mobile Equipment
- BP-71 Geology and Mining - Ground Control for Underground Gold Mines
- BP-71S La Geología y las Condiciones de la Minería - El Control de Terrenos Para las Minas Subterráneas de Oro
- BP-72 Examination/Testing/Scaling - Ground Control for Underground Gold Mines
- BP-72S La inspección/Las pruebas/El saneamiento - El Control de Terrenos Para las Minas Subterráneas de Oro
- BP-73 Rock Bolting - Ground Control for Underground Gold Mines
- BP-73S El Bulonaje – El Control de Terrenos Para las Minas Subterráneas de Oro
- BP-76 Weekly CO Checks – Repeatable Engine Load Test: Torque Converter Transmissions
- BP-77 Weekly CO Checks – Repeatable Engine Load Test: Hydrostatic Transmissions
- BP-78 Cutting and Welding - Fire Protection
- BP-79 Water Supply - Fire Protection
- BP-80 Fire Extinguishers - Fire Protection
- BP-81 Fire Suppression - Fire Protection
- BP-82 Fire Detection - Fire Protection
- BP-83 Ventilation - Fire Protection
- BP-84 SCSRs - Fire Protection
- BP-85 Communications - Fire Protection
- BP-86 Foam Generators - Fire Protection
- BP-87 Hoses and Nozzles - Fire Protection
- BP-88 Mine Rescue Teams - Fire Protection
- BP-89 Fire Brigades - Fire Protection
- BP-90 Combustible Materials - Fire Protection
- BP-91 Electrical Equipment - Fire Protection
- BP-92 Belt Conveyors - Fire Protection
- BP-93 Evacuation Plans - Fire Protection

# Pocket Cards

**The following cards may be of special interest to Independent Contractors.**

BP-1	Brake Systems	BP-16S	Recomendaciones de Seguridad Para Contratistas Conductores de Camiones
BP-1S	Sistema de Frenos	BP-19	Mechanics (MNM Contractors)
BP-2	Cab Inspection	BP-19S	Reparación y Mantenimiento Seguridad Para Contratista
BP-2S	Inspección de Cabina	BP-20	Electrical Safety
BP-3	Haulage Equipment Operators	BP-20S	Seguridad Eléctrica Para Contratistas
BP-3S	Operadores de Equipo de Transporte	BP-21	Cranes (MNM Contractors)
BP-4	Haulage Safety Attitude	BP-21S	Grúas Para Contratistas
BP-4S	Actitud Sobre la Seguridad en Equipo de Acarreos	BP-22	Welding/Cutting (MNM Contractors)
BP-5	Highway Truck Pre-Operation Inspection	BP-22S	Soldadura y Corte Para Contratistas
BP-5S	Inspecciones Pre-Operativas para Camiones de carretera	BP-23	Haulage (MNM Contractors)
BP-6	100-Ton or Greater Truck Pre-Operation Inspection	BP-23S	Carga Para Contratistas
BP-6S	Inspecciones Pre-Operativas para Camiones de 100 o más Toneladas	BP-31	Drilling - Contractors (MNM)
BP-7	100-Ton or Less Truck Pre-Operation Inspection	BP-31S	Perforando Metal/No-Metal Para Contratistas
BP-7S	Inspecciones Pre-Operativas para Camiones de 100 o menos Toneladas	BP-32	Blasting - Contractors (MNM)
BP-8	Pre- & Post-Operation Inspection of Surface Haulage Equipment	BP-32S	Detonaciones y Explosivos Para Metal/No-Metal Para Contratistas
BP-8S	Inspecciones pre-operativas y post-operativas a los equipos de carga de superficie	BP-66	MSHA Notice for Contractors
BP-9	ROPS (Rollover Protective Structure) and FOPS (Falling Object Protective Structure)	BP-66S	Anuncio de la MSHA para Contratistas
BP-9S	ROPS (Estructura Protectora de Rodillos y FOPS (Estructura Protectora Contra Caidas de Objetos)	BP-67	Responsibilities of Independent Contractors Working on Mine Property
BP-10	Steering	BP-67S	Responsabilidades de los Contratistas Independientes Trabajando en Propiedades Mineras
BP-10S	La Dirección	BP-68	Repair and Maintenance of Surface Equipment
BP-12	Truckers' Training Checklist	BP-68S	Reparación y Mantenimiento de Equipo de Superficie
BP-12S	Lista de Verificación de Entrenamiento	BP-69	Falling/Sliding Material, Highwalls and Banks
BP-15	Contractors Machinery	BP-69S	Material Deslizándose/Cayéndose de Barrancos y Paredes Altas
BP-15S	Maquinaria para Contratistas	BP-70	Slips and Falls on Mobile Equipment
BP-16	Contractors' Powered Haulage		

# Historical Materials

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The materials listed in this section may be obtained in electronic format by contacting the MSHA Technical Information Center and Library (TICL). The TICL offers reference assistance to users by phone, e-mail or mail.

Phone: 304-256-3266  
E-mail: MSHALibrary@dol.gov  
Mail: National Mine Health and Safety Academy  
Technical Information Center and Library  
1301 Airport Road, Beaver, WV 25813-9426

The Academy's Technical Information Center and Library (TICL) offers a wide range of information on mine health and safety. The TICL is the largest library in the United States devoted to mine safety and health. The library collection consists of books, technical documents, photographs, maps, journal articles, and audiovisual materials. The library also maintains extensive mine accident files, an archive of historical mine disasters information, and selected works on the sociology, history and cultures of mining worldwide.

The TICL's online catalog and information about services are available at:

[https://librarycatalog.dol.gov/client/en\\_US/msha/](https://librarycatalog.dol.gov/client/en_US/msha/)

Accident reports, research materials, photographs, and moving images are available through the MSHA Digital Library at:

<https://arlweb.msha.gov/TRAINING/LIBRARY/mshaPortal/index.html>

## **Accident Reduction Program/Post Accident Remedies, Technical Support (C/MNM)**

This video offers ways to prevent accidents before they happen. Technical Support conducts field investigations, laboratory studies, and analyses to resolve specific problems.

This DVD covers these areas:

- New water spray system for continuous mining machines
- Safely changing cutting bits on a continuous miner
- Using drip pans and safely lubricating conveyor systems
- Using safety props for mobile equipment repairs
- Mechanics taking the vehicle's keys when performing maintenance

MSHA 1999 25 min

Cat No: DVD 519

## **Air We Breathe in Industrial Environments, The (C/MNM)**

This video discusses the composition and importance of air in relation to various working environments. It describes industrial health (breathing) hazards encountered. It explains the need for evaluating working conditions, observing safety precautions and protecting workers from noxious gases and oxygen deficiency by using protective equipment and proper ventilation.

BuM 1972 16 min

Cat No: DVD 596

## **Another Sunrise: A Close Call on a Surge Pile (C)**

This DVD recounts the rescue of a dozer operator from a coal surge pile accident. Emphasis is placed on reinforcing dozer cabs to withstand burial pressure, the role of advanced technologies in surge pile safety, and good safety practices and training.

MSHA 2002 9 min

Cat No: DVD 569

# Historical Materials

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DVD includes both English and Spanish versions - see following Spanish description.

## **Otra Salida del Sol: Una Llamada Importante con una Pila de Regulación (C)**

Este video relata el rescate de un operador de excavadora de un accidente en una pila de regulación de carbón. Se pone énfasis en reforzar las cabinas de la excavadora para resistir la presión a enterramientos, el papel de las tecnologías avanzadas en la seguridad con las pilas de regulación, y buenas practicas de seguridad y entrenamiento.

MSHA 2002 9 minutos

Número de Catálogo: DVD 569-S

## **Anthracite: Pre-Shift Examinations of Underground Mines**

This video shows two mine foremen conducting typical pre-shift inspections at two underground anthracite mines.

MSHA 1994 31 min

Cat No: DVD 614

## **Ask the Right Questions**

This video was developed in cooperation with the United Mine Workers of America and Bituminous Coal Operator's Association – Joint Industry Training Committee. It discusses what needs to be done to identify sources of accidents and determine prevention methods at your mine. Four types of physical barriers and five types of human barriers are enacted and analyzed using accident analysis and problem identification (AAPI) techniques. This video is based on the concept that asking the right questions is fundamental to finding solutions to our accident problems.

MSHA 1992 31 min

Cat No: DVD 556

## **Audiometric Testing Reference Guide for MSHA's Occupational Noise Exposure Standard**

This audiometric testing guide provides mine operators with examples of validated scientific methods and/or equipment specifications for testing the hearing sensitivity of miners.

MSHA 2002 16 pp

Cat No: IG 57

## **Automatic Emergency Parking Brakes (as required by 30 CFR 75.523-3)**

This video discusses the applications of 30 CFR 75.523-3 to "all rubber-tire, self-propelled electric haulage equipment used in active workings of an underground coal mine – with the exception of personnel carriers." Each of the specific subparagraphs of this mandatory standard is not only explained but also demonstrated to reinforce the concept.

MSHA 1992 17 min

Cat No: DVD 590

## **Ball Mill Safety (MNM)**

This video was developed cooperatively by MSHA and Lehigh Portland Cement Company. It outlines the various steps - precautions and procedures - that must be taken to safely and efficiently shut down a ball mill, enter, inspect, service (repair or perform routine maintenance), and restart the operation. Procedures discussed/demonstrated include: planning, crew selection and briefing, safe work permits, electrical lockout, isolating maintenance area, hatch/door removal, safe access, ventilation and respiratory protection, welding/cutting, hatch/door installation, and cleanup.

MSHA 1988 17 min

Cat No: DVD 573

# Historical Materials

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## **Best Practice Guide to the Milling of Slate, A (MNM)**

This video is designed to raise awareness of the dust and noise hazards associated with the slate industry.

MSHA 2001 13 min  
Cat No: DVD 553

## **Blasting Requirements - Surface Coal**

This training package of lesson plans, handouts, visuals, and student text is designed to train entry level coal mine inspectors and supervisors. It covers the characteristics, transportation, and handling and use of explosives. Course content emphasizes hazard recognition and safe work practices, and is keyed to MSHA regulations.

### Books

- Instructor's Guide 395 pp
- Student's Text 25 pp

MSHA 1994  
Cat No: CI 21 (Instructor's Guide)  
CI 21a (Student's Text)

## **Blind Spots Can Kill! (C/MNM)**

A haul truck driver and an electrician discuss the accident where a 240-ton haul truck drove over the electrician's work vehicle. No one was in the vehicle, but the electrician's one-ton truck was destroyed. This video stresses the importance of getting the driver's attention whenever you're near a large haul truck and avoid getting into a blind spot.

MSHA 1996 6 min  
Cat No: DVD 526

## **Breathe and Live: Ventilation in Metal and Nonmetal Mines**

This video focuses on why mine ventilation systems are an underground miner's personal lifeline. It shows components of mine ventilation systems (including main and booster fans, air curtains, ven-

tilation tubes, doors and regulators), and emphasizes the importance of good maintenance. This DVD re-creates several fatal accidents caused by contaminated air and inadequate ventilation and stresses the importance of frequent safety checks with instruments which measure quality and quantity of ventilating air (a responsibility of mine management).

BuM 1973 21 min  
Cat No: DVD 598

## **Cabs and Canopies for Your Safety (C)**

This video points out the need for cabs and canopies on under-ground mining equipment to protect miners from falls of roof and ribs. It uses scenes taken after three actual roof fall accidents (in which fallen coal and rock covered the mining equipment). In each case, the operator escaped unharmed because of the protective canopy on the machine. This DVD presents in-the-mine interviews with the operators involved in these near-fatal accidents. Workers relate what happened and why they are convinced the canopies saved their lives.

MESA 1974 10 min  
Cat No: DVD 618

## **Chemical Hazard Information (C/MNM)**

Virtually all chemical products are labeled and have Material Safety Data Sheets (MSDSs), when they are delivered to a mine. Many products have hazardous components that can harm miners. This video is intended to train miners to understand how chemicals can enter the body (Routes of Entry). It also teaches miners the contents of chemical labels and MSDSs, as well as how to interpret the technical terms found on MSDSs. It can be shown to miners as part of your training program, explaining a critical HazCom provision.

MSHA 2002 17 min  
Cat No: DVD 557

DVD includes both English and Spanish versions – see following Spanish description.

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## Información sobre riesgos químicos

Casi todos los productos químicos que llegan a las minas vienen etiquetados y tienen Hojas de Datos de Seguridad de Materiales (MSDSs), sin embargo, muchos productos tienen componentes peligrosos que pueden afectar la salud de los mineros. El primer objetivo de este video es capacitar a los mineros para que entiendan cómo los productos químicos pueden penetrar en su cuerpo (vías de entrada). El segundo, es enseñar a los mineros a leer las etiquetas de los productos químicos y a interpretar los términos técnicos de las MSDSs. Esto puede complementar su programa de capacitación para los mineros, ya que además le permite explicar una disposición esencial de comunicación de riesgos.

MSHA 2002 17 minutos

Número de Catálogo: DVD 557-S

## Chemistry, Analysis and Interpretation of Mine Atmospheres (C/MNM)

This instructor's guide helps teach on mine gases, sampling of mine fires, gas sampling methods, hand-held detection devices, and mathematical calculations of mine gases as a result of mine fires.

MSHA 1988 108 pp

Cat No: IG 69

## "Choice Is Yours, The" – Reflective Clothing

Visibility from the operator's compartment of large equipment is not always good. Numerous accidents have occurred where a miner was struck by or run over by underground mobile equipment. Statements by some of the equipment operators interviewed include: "I never saw him/her," "I didn't know where they were," and "By the time I saw him/her, I could not stop." Wearing reflective clothing will make miners more visible. You must dress for work every day, so why not use reflective clothing? It takes no extra effort and there is no excuse not to do it – THE CHOICE IS YOURS!

MSHA 2005 9 min

Cat No: DVD 524

## Coal Dust: Hazards and Controls

This video explains some of the more serious dangers of coal mine dust and its effect on the health and safety of both underground and surface miners. It uses actual mining operations, live action footage, and detailed animation to show various ways coal dust is produced, consequences of long-term exposure (black lung), and how dust can be controlled in the mining environment. It shows several methods of dust sampling, and demonstrates various ventilation techniques, water sprays, and other dust suppression devices. It also emphasizes the use of proper face ventilation and water sprays.

MSHA Rev 1980 14 min

Cat No: DVD 591

## Conducting a Chemical Hazard Determination (C/MNM)

MSHA's HazCom requires mine operators to inventory the chemicals at their mines and determine which are hazardous. This video helps mine operators conduct that inventory by explaining HazCom and how it applies to the most common mine chemicals. The video walks the viewer through HazCom's decision process of Chemical Hazard Determination. Show this video to miners as part of your training program, to help explain a critical HazCom provision.

MSHA 2002 12 min

Cat No: DVD 580

DVD includes both English and Spanish versions – see following Spanish description.

## Métodos de evaluación de riesgos químicos

La comunicación de riesgos de la MSHA requiere que los operadores mineros hagan un inventario de los productos químicos que tienen en sus minas y que determinen cuáles son peligrosos. El objetivo de este video es ayudar a los operadores mineros a llevar a cabo dicho inventario, explicándoles cuáles son las comunicaciones de riesgos y enseñándoles cómo se aplican a los productos

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químicos más comunes en las minas. Este video indica cómo seguir las comunicaciones de riesgos para poder evaluar los riesgos químicos. Esto puede complementar su programa de capacitación para los mineros, ya que además le permite explicar una disposición esencial de comunicación de riesgos.

MSHA 2002 12 minutos

Número de Catálogo: DVD 580-S

## **Contributions of the American Miner (C/MNM)**

Every day, materials merge from American surface and underground coal and metal/nonmetal mines. Mining provides minerals and fuels that enable our nation to work and produce items that we use every day. This video shows a wide variety of mining processes and the products that are produced from them. This is a great tribute to the hardworking men and women of our Nation's mines.

MSHA 2004 11 min

Cat No: DVD 508

## **Dawn of a New Day: Continuous Haulage Safety (C)**

This video addresses the hazards associated with continuous face haulage systems.

MSHA 1998 23 min

Cat No: DVD 594

## **Diesel Powered Vehicles (C)**

This interactive DVD covers various topics concerning Diesel Powered Vehicles. The topics include the final phase of the diesel regulations, Sections 75.1909, 75.1910, and 75.1911 of the Code of Federal Regulations, as well as adjusting and maintaining a diesel-powered engine, and defining what is an approved diesel-powered engine. We will also look at how a fire suppression system works.

- Diesel Regulations: Light Duty Vehicles 11 min
- Diesel Regulations: Heavy Duty Vehicles 16 min

- Maintaining Diesel Engines 13 min
- Fire Suppression: How It Works 15 min

MSHA 2005

Cat No: DVD 010

## **Diesel Regulations – Heavy Duty Vehicles (C)**

This video provides assistance to mine operators, diesel equipment manufacturers, and vendors in implementing the final phase of the diesel regulations. This video covers sections 75.1909, 75.1910, and 75.1911 of the Code of Federal Regulations.

MSHA 1999 16 min

Cat No: DVD 577

DVD includes both English and Spanish versions – see following Spanish description.

## **Reglamentos para motores diesel - Vehículos para servicio pesado**

Este video fue concebido para ayudar a los operadores mineros y a los fabricantes y proveedores de equipos diesel a implementar la fase final de las reglamentaciones para motores diesel. Este video cubre las partes 1909, 1910 y 1911 del artículo 75 del Código Federal de Regulaciones.

MSHA 1999 16 minutos

Número de Catálogo: DVD 577-S

## **Diesel Regulations – Light Duty Vehicles (C)**

This video assists mine operators, diesel equipment manufacturers, and vendors with the implementation of the final phase of the diesel regulations. This video covers sections 75.1909, 75.1910, and 75.1911 of the Code of Federal Regulations.

MSHA 1999 11 min

Cat No: DVD 578

DVD includes both English and Spanish versions – see following Spanish description.

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## **Reglamentos para motores diesel - Vehículos para servicio ligero**

Este video fue concebido para ayudar a los operadores mineros y a los fabricantes y proveedores de equipo diesel a implementar la fase final de las reglamentaciones para motores diesel. Este video cubre las partes 1909, 1910 y 1911 del artículo 75 del Código Federal de Regulaciones.

MSHA 1999 11 minutos

Número de Catálogo: DVD 578-S

## **Dump Point Inspection Handbook (C/MNM)**

Dumping material from trucks is a common practice in the mining industry. No matter what type of dump point is involved, a waste pile, an overburden dump, a stockpile, or a hopper, accidents can occur if certain precautions are not taken. This handbook provides MSHA inspection staff with the information needed to understand the hazards at dump points, and to better recognize potentially unsafe dump point conditions and practices. The handbook can assist inspectors in sharing information on dump-point safety with miners and mine operators.

MSHA 2001 32 pp

Cat No: IG 59

## **Dump Point Safety: Stockpiles and Waste Piles (C)**

Using trucks to dispose of waste material and build stockpiles are important parts of many mining operations, but accidents can occur during these activities if adequate safety precautions are not taken. This video will illustrate the most common hazards at dumps and piles and will demonstrate recommended safety practices.

MSHA 1997 15 min

Cat No: DVD 615

DVD includes both English and Spanish versions – see following Spanish description.

## **Seguridad en los puntos de descarga: pilas de almacenaje y de desperdicio (carbón)**

El uso de camiones para eliminar el material de desperdicio y para hacer pilas de almacenaje es una etapa importante de cualquier operación minera. Sin embargo, cualquier accidente puede ocurrir durante esa etapa si no se toman las medidas adecuadas en materia de seguridad. El objetivo de este video es mostrar los riesgos más comunes que hay en las escombreras y pilas, y recomendar procedimientos de seguridad.

MSHA 1997 15 minutos

Número de Catálogo: DVD 615-S

## **Dump Point Safety: Stockpiles and Waste Piles (MNM)**

Using trucks to dispose of waste material and build stockpiles are important parts of many mining operations, but accidents can occur during these activities if adequate safety precautions are not taken. This video illustrates the most common hazards at dumps and piles and demonstrates recommended safety practices.

MSHA 1997 14 min

Cat No: DVD 537

DVD includes both English and Spanish versions – see following Spanish description.

## **Seguridad en los puntos de descarga: pilas de almacenaje y de desperdicio**

El uso de camiones para eliminar el material de desperdicio y para hacer pilas de almacenaje es una etapa importante de cualquier operación minera. Sin embargo, cualquier accidente puede ocurrir durante esa etapa si no se toman las medidas adecuadas en materia de seguridad. El objetivo de este video es mostrar los riesgos más comunes que hay en las escombreras y pilas, y recomendar procedimientos de seguridad.

MSHA 1997 14 minutos

Número de Catálogo: DVD 537-S

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## **DUST – The Invisible Enemy (C/MNM)**

This video describes the portion of dust generated by mining activities that causes dust-related lung disease. Respirable dust, the smallest, unseen particles, are breathed deep into the lungs. When this dust overloads the lungs' ability to protect itself, disease can result. The sources of respirable dust generation, its composition, and control are discussed.

MSHA 2000 15 min

Cat No: DVD 533

DVD includes both English and Spanish versions – see following Spanish description.

## **Polvo - El enemigo invisible**

En este video se explica la proporción de polvo generada por las actividades mineras que provoca las enfermedades pulmonares. El polvo respirable, las pequeñísimas partículas invisibles que, al respirar, entran hasta lo más profundo de los pulmones. Cuando el polvo excede la capacidad de autoprotección de los pulmones, se puede contraer una enfermedad. En este video se habla de las fuentes generadoras de polvo respirable, de su composición y de su control.

MSHA 2000 15 minutos

Número de Catálogo: DVD 533-S

## **Electrical Hazards in Underground Coal Mining**

This video points out some of the more prevalent electrical hazards which may be encountered in underground coal mining. It re-creates accidents involving operating, maintaining and repairing electrical power distribution centers, switching gear, cables and other high-voltage equipment. It stresses proper training and qualifications for miners working on electrical installations, machinery and circuits, and describes proper work procedures which should be followed at all times – if electricity is to be effectively and safely utilized in underground coal mining.

MESA 1975 13 min

Cat No: DVD 603

## **Electrical Lock-Out Procedures (C/MNM)**

Accidental starting of equipment or the energizing of electrical power circuits has caused many injuries and fatalities in the mining and milling industry. This video re-creates some of these accidents and points out potential hazards connected with specific jobs. It emphasizes the need for immediate and thorough training in proper lock-out procedures for all personnel who work with or around electrical installations (including personnel who operate electric-powered machinery and equipment).

MESA 1976 11 min

Cat No: DVD 570

## **Equipment Guarding (C/MNM)**

This interactive DVD explores equipment guarding in-depth. It covers types of guards, guard construction, qualities, materials, attachment, and applications of new technology, with an emphasis on hazard analysis and risk assessment. It shows a variety of mining equipment with guards of all types and qualities. PowerPoint presentations illustrate guarding principles and practices.

MSHA 2005 150 min

Cat No: DVD 009

## **Equipment Guarding, MSHA's Guide to (C/MNM)**

This book is designed to assist industry, labor, and MSHA inspectors in obtaining uniformity in mechanical safeguarding. Basic principles of guarding are discussed, and various techniques are illustrated (with brief written explanations).

MSHA Rev 2004 34 pp

Cat No: OT 3

Also available in Spanish (OT 3-S). See following description.

## **Salvaguardias por el Equipo, La Guía de MSHA (C/MNM)**

Diseñada para ayudar a la industria, a los trabajadores, y a los inspectores de MSHA para llegar a una uniformidad en el uso de salvaguardias mecánicas. Se discuten los principios básicos de salva-

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guardar. Se ilustran varias técnicas (con breves explicaciones escritas).

MSHA Revisado 2004  
36 páginas

Número de Catálogo: OT 3-S

## **Fall Protection: Your Lifeline to Safety (C/MNM)**

This video provides an overview of the hazards associated with working at elevated locations and the importance of fall protection. Common types of fall protection systems are presented, including personal fall arrest and restraint devices. Special emphasis is placed on the development of site-specific policies and procedures, with regard to fall protection regulations in the mining industries.

MSHA 2000 14 min

Cat No: DVD 506

DVD includes both English and Spanish versions – see following Spanish description.

## **Protección contra caídas: Su línea de vida hacia la seguridad**

Este video presenta los riesgos asociados con los trabajos que se efectúan en partes elevadas y la importancia de los equipos contra caídas. Este video muestra los sistemas de protección contra caídas más comunes tales como los dispositivos anticaídas personales y los de retención de movimientos. Así mismo, se hace hincapié en el hecho de cada mina desarrolle políticas y procedimientos específicos que cumplan con las normas de seguridad anticaídas.

MSHA 2000 14 minutos

Número de Catálogo: DVD 506-S

## **Fatal Alert: Entry Into Storage Silos**

This video addresses the hazards involved in cleaning a storage silo. You'll hear from a rescue worker who describes a recovery operation of a worker who fell into one of the silos.

MSHA 1999 11 min

Cat No: DVD 587

## **Fighting Miner Fatigue on Unusual Work Schedules (C/MNM)**

Unusual work schedules are becoming more and more usual in mining. These PowerPoint presentations and instructor guides will raise miner awareness of the potential problems and methods of coping with unusual work schedules.

MSHA 2002

Cat No: IG 82-CD Contains PowerPoint presentations and Instructor Guides

IG 82a A Management Perspective Instructor Guide 13 pp

IG 82b A Worker Perspective Instructor Guide 13 pp

## **Fire at Dotiki, The (C)**

This video describes an underground coal fire, the actions of the miners, the efforts of management, and the assistance and experience of the Mine Safety and Health Administration. The video reviews the relationship between management and government to reach a common goal.

MSHA 2005 12 min

Cat No: DVD 510

Price: \$10.00

## **Fire Fighting in the Mineral Industry (MNM)**

This video covers techniques of fire fighting in non-coal mining and related industries. It shows the classifications of fires (A, B, and C), and provides instruction on the proper use of various types of extinguishers. It demonstrates how to control fires by "sealing them off" with foam, asphalt, and other chemical sealants.

BuM 1970 16 min

Cat No: DVD 579

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## Front-End Loader Safety (C/MNM)

Based upon records of actual mining accidents, this video describes some of the fatalities and injuries that can occur in the use (and misuse) of front-end loaders (particularly if the operator is inattentive, careless, disobeys safety rules, and/or takes unnecessary chances). It analyzes these accidents, explains causes and preventive measures, and presents safe operating procedures for various work assignments. This video is designed to motivate front-end loader operators to adopt safe driving and operating habits and to develop a positive attitude toward mine haulage safety in general.

MSHA Rev 1994 14 min

Cat No: DVD 502

## Good Berms Save Lives (MNM)

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.

MSHA 1998 15 min

Cat No: DVD 504

DVD includes both English and Spanish versions – see following Spanish description.

### **Las bermas adecuadas salvan vidas**

En este video informativo, una compañía minera comparte los resultados de un estudio que hicieron en su propiedad sobre las bermas. En esta mina se hicieron pruebas con bermas de distintos materiales y alturas. El tamaño y la velocidad del equipo minero, las condiciones meteorológicas y el grado de inclinación también influyen en la construcción adecuada de las bermas.

MSHA 1998 15 minutos

Número de Catálogo: DVD 504-S

## Haulage and Hoisting in Underground Anthracite Coal Mining

Various haulage and hoisting systems typically found in anthracite coal mining areas are depicted and explained with reference to any hazards associated with each system as well as the measures needed for compliance with applicable 30 CFR regulations.

MSHA 1992 30 min

Cat No: DVD 582

## Haulage Safety in Low-Coal Mines

This video depicts how accidents can be prevented (or can happen) during underground transportation of personnel, coal and supplies through tunnels in low-coal mines. It contrasts safe haulage practices with accidents, and uses staged “near misses” to show consequences of carelessness.

BuM 1971 15 min

Cat No: DVD 604

## Hazard Communication (C/MNM)

This interactive DVD contains 2 previously-produced Hazard Communication videotape programs, a brief interactive quiz, and a detailed in-depth look at MSHA's HazCom Standard. The material provides a broad look at properties and potential safety and health hazards of substances to which employees may be exposed. This material may not address specific conditions or equipment at your mine, and therefore should be used as a supplement to your own mine-specific training.

MSHA 2003

Cat No: DVD 003

## Hazard Recognition and Avoidance in Surface Coal Mining

Miners who are inexperienced and unfamiliar with the working environment, equipment, and mining procedures are often exposed to potential safety hazards for which they are largely unprepared. This video describes some of the more common

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dangers encountered (including failure of high-walls and spoil banks, slips and falls, drilling and blasting and not wearing or using proper safety clothing or equipment). It addresses machinery/vehicle, mechanical/electrical, welding/cutting and other maintenance/repair hazards, and gives examples of danger signs and warnings which usually precede a hazard. It also outlines safety precautions needed to avoid the hazard.

MSHA 1980 9 min

Cat No: DVD 583

## **Hazard Recognition and Avoidance in Underground Coal Mines**

Underground coal mining is an inherently hazardous occupation, but one which can be made relatively safe if miners learn to recognize and avoid the associated hazards. This video identifies some of the more common dangers (including unsafe acts and conditions) miners may encounter while carrying out their everyday work assignments. It demonstrates safe work practices and procedures needed to avoid such problems and pitfalls, and urges miners to stay alert, work safely, and report unsafe conditions they cannot correct.

MSHA 1981 11 min

Cat No: DVD 606

## **Hazards and Safety Practices on Surge Piles (MNM)**

This video is designed to make dozer operators, miners, and others who work on or around surge piles aware of the hazards associated with surge piles and inform them of the recommended safety practices.

MSHA 1997 11 min

Cat No: DVD 554

DVD includes both English and Spanish versions – see following Spanish description.

## **Riesgos y procedimientos de seguridad en pilas de regulación**

El objetivo de este video es concientizar a los operadores de topadoras, mineros y demás trabajadores que laboran cerca de las pilas de regu-

lación acerca de los riesgos asociados a dichas pilas, además de mostrar las mejores prácticas de seguridad.

MSHA 1997 11 minutos

Número de Catálogo: DVD 554-S

## **Hazards of Coal Stockpiling Operations**

This video shows what happens when miners or equipment operators are working on a surge pile and the material unexpectedly collapses, breaks loose, or starts to flow underneath them. The disastrous result of being engulfed in loose material – suffocation – is demonstrated by a working model of a surge pile. The model shows how stockpiles with drawholes and feeders work, what takes place within the piles, the properties of flowing materials, and how hazardous conditions can develop at surge piles.

MSHA 1994 26 min

Cat No: DVD 501

## **HazCom 30 CFR Part 47 – Telling Miners About Chemical Hazards**

This booklet is HazCom's Tool Kit, supplying information that helps operators interpret the standard, but also providing model HazCom programs, training tips, and supplementary materials to help operators establish a successful HazCom program.

MSHA 2002 82 pp

Cat No: OT 49

## **Health and Safety Hazard Awareness, An Overview – Gypsum Mining**

This video is an overview of the basics of health and safety hazard recognition of many of the operations at a mine site. Your mine's education and training program will cover many of these topics in much more detail and inform you of specific policies at your mine. Remember, you, the miner, are

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the key ingredient in safety.

MSHA 2003 14 min

Cat No: DVD 555

DVD includes both English and Spanish versions – see following Spanish description.

## **Conocimiento de los riesgos en la salud y la seguridad. - Una visión general.**

Este video es una revisión de las bases para reconocer los riesgos en la salud y la seguridad en muchas de las operaciones en las minas. Su programa de educación y entrenamiento minero cubrirá muchos de estos temas con más detalle y le informará de políticas específicas en su mina. Recuerde que Usted, el minero, es el ingrediente clave en la seguridad.

MSHA 2003 14 minutos

Número de Catálogo: DVD 555-S

## **Hearing Conservation, MSHA's Part 62 (C/MNM)**

Noise is a hazard that can diminish or destroy your hearing. This video shows the different hearing protectors available and the proper way to wear them.

MSHA 2002 21 min

Cat No: DVD 511

DVD includes both English and Spanish versions – see following Spanish description.

## **Conservación de la Audición, Parte 62 de MSHA (C/MNM)**

El ruido es un riesgo que puede disminuir o puede destruir su audición. Este video muestra diferentes protectores disponibles para los oídos y la manera apropiada de llevarlos.

MSHA 2002 21 minutos

Número de Catálogo: DVD 511-S

## **Hidden Danger: Safety Improvements for Surge Piles (C)**

Pushing coal on a surge pile has been called the most dangerous job at a prep plant. This video will show two ways to protect equipment operators from this danger: extra-strength cab windows or remote controlled dozers.

MSHA 2000 9 min

Cat No: DVD 505

DVD includes both English and Spanish versions – see following Spanish description.

## **Peligro oculto: Mejoras de seguridad para las pilas de regulación**

Empujar carbón en pilas de regulación siempre ha sido considerado como la labor más peligrosa en las plantas de preparación. Este video muestra dos métodos para proteger a los operadores de éste peligro: vidrios reforzados y vehículos operados a control remoto.

MSHA 2000 9 minutos

Número de Catálogo: DVD 505-S

## **Highwall Hazard Recognition (C/MNM)**

If your job puts you on or near highwall operations, you need to be especially careful. This video shows an experienced truck driver training a new employee about the dangers of highwalls.

MSHA 2002 6 min

Cat No: DVD 507

DVD includes both English and Spanish versions – see following Spanish description.

## **Identificación de riesgos en frentes de corte alto**

Si su trabajo tiene que ver con las operaciones con frente de corte alto, sea muy cuidadoso. En este video, un chofer con experiencia muestra a

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un nuevo empleado los peligros que puede correr al trabajar en frentes de corte alto.

MSHA 2002 6 minutos

Número de Catálogo: DVD 507-S

## Highwall Hazards

In this interactive DVD you will have the opportunity to learn about the dangers of working near highwalls. This DVD will teach you how to properly examine highwalls and how to recognize the hazards that are associated with them. We will also take a look at the importance of wearing fall protection while working on top of highwalls. Best practice tips, an interactive quiz, and other educational links are included to further enhance your learning experience.

MSHA 2004

Cat No: DVD 008

## Highway Truck Inspection (C/MNM)

This DVD shows drivers and inspectors how to maintain highway haulage vehicles. Watch as an MSHA inspector performs his inspection of an over-the-road truck.

MSHA 2005 15 min

Cat No: DVD 515

## How to Tailor Off-The-Shelf Training Materials\* (C/MNM)

This guide was designed to assist trainers and offer suggestions on personalizing off-the-shelf training materials.

WV University Mining Extension Service 1981 47 pp

BuM Contract JO188069

MSHA Reprint 1983

Cat No: IG 8

## Illumination in Underground Coal Mines

This video traces the development of underground mine illumination from the earliest days of candles and carbide lamps to today's more efficient and safer electric lighting equipment. It demonstrates adequate lighting which helps miners better see equipment, other workers and roof and rib conditions and shows various types of permissible lighting. It explains light-measuring techniques and methods of evaluating lighting systems and informs viewers of requirements of Federal illumination regulations and how these apply to specific mining situations.

MSHA 1980 15 min

Cat No: DVD 611

## Industrial Hygiene for Healthier Miners (C/MNM)

This safety manual deals with industrial hygiene – the science and art of recognition, evaluation and control of health hazards at work. It includes examples of short-term and long-term job-related exposures of workers to toxic agents. It also covers preventive measures to protect workers from harmful conditions.

MSHA Rev 1996 53 pp

Cat No: SM 21

## It Can Happen to You (C)

Even with all required roof protection in place, roof falls still can happen. This video stresses the importance of always being aware of your work environment and the ever changing conditions. You will hear from two survivors of roof fall accidents, one a roof bolter, and the other a continuous miner operator.

MSHA 2001 13 min

Cat No: DVD 539

DVD includes both English and Spanish versions – see following Spanish description.

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## **Esto le puede pasar a usted**

A pesar de que se protejan los techos siguiendo las normas, hay techos que pueden venirse abajo. Este video muestra lo importante que es el estar siempre atento a todo lo que sucede en su ambiente de trabajo debido a las condiciones siempre cambiantes. En este video escuchará el testimonio de dos supervivientes; un colocador de pernos y un operador de minadores continuos.

MSHA 2001 13 minutos

Número de Catálogo: DVD 539-S

## **Job Safety Analysis Process: A Practical Approach, The (C/MNM)**

This guide is designed to enable miners and supervisors to work together to identify hazards and to develop step-by-step procedures that make up the safest, most effective way to complete a major task. The Instruction

MSHA 1990

Cat No: IG 83 (Instruction Guide) 90 pp  
IG 83a (Participant's Guide) 14 pp

## **Junkyard Guards (C/MNM)**

This unique training product presents a contest between two teams of mining industry mechanics and fabricators whose challenge is to construct effective machine guarding from scrap metal and other old left-over parts from the mine site. This non-interactive DVD demonstrates that cost-effective and reliable machine guards can be fabricated with materials commonly found in the junkyards at most mine sites. Best practices and fabrication tips are presented as well.

MSHA 2005 19 min

Cat No: DVD 513

DVD includes both English and Spanish versions – see following Spanish description.

## **Desafío en el Deshuesadero**

Este producto de entrenamiento es único pues presenta una competencia entre dos equipos de

la industria de la explotación minera: los mecánicos y los fabricantes, que como desafío tienen que construir la mejor máquina, partiendo del metal de desecho y otras viejas partes de sobra del sitio de la mina. Este DVD no interactivo demuestra que con recursos efectivos, maquinas confiables pueden ser fabricados con los materiales encontrados comúnmente en los deshuesaderos en la mayoría de los sitios de la mina. Las mejores prácticas y consejos de la fabricación se presentan también.

MSHA 2005 19 minutos

Número de Catálogo: DVD 513-S

## **Little Song About Noise, A**

Jerry Metcalf, a State of Montana inspector, talks about noise, vibrations and decibels, and related mining situations. He also sings a song about noise and its effects.

MSHA 2005 6 min

Cat No: DVD 525

## **Locating and Rescue of Trapped Miners (C/MNM)**

This video describes the equipment and methods used to locate trapped miners in an underground mine environment.

MSHA 1998 8 min

Cat No: DVD 572

## **Magic of Fire, The (C/MNM)**

This video deals with fire, its composition, uses and control. Tabletop displays and laboratory demonstrations illustrate how fires and explosions occur. It describes the safe use and control of commonly used gases and flammable liquids and shows various industrial fires (and fire hazards in the home) and gives instructions on fire prevention.

BuM 1965 23 min

Cat No: DVD 610

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## Man and His Habits (MNM)

This video depicts how careless habits may endanger safety at home and on the job. It shows workers how to acquire safe work habits by practicing safety everywhere.

BuM 1969 13 min

Cat No: DVD 586

## Management's Role in Health and Safety (C)

This video presents a well-planned and well-executed mine health and safety program in action. It uses scenes at both underground and surface facilities and outlines a safety program (in detail) and its application to on-the-job safety situations and related mining operations. It defines management's responsibility for the health and safety of miners and points out various environmental health problems and safety hazards. It offers possible solutions (with emphasis on effective safety training).

BuM 1972 15 min

Cat No: DVD 574

## MERD — Mock Disaster (C)

This video documents a Simulated Mine Emergency Problem held in an active mine with 7 mine rescue teams participating. The problem consists of a reported explosion with smoke coming out the return airways. The ventilation controls have been destroyed, 16 miners are unaccounted for, and the mine is located in a remote area. Company, state and federal inspectors, state and local police representatives, local emergency personnel, and a state life flight helicopter are used in the simulation. The video also discusses the lessons learned from the exercise.

MSHA 1998 17 min

Cat No: DVD 595

## Mine Escapeways (C/MNM)

This safety manual is an introduction to mine escapeways and evacuation. It stresses the importance of having clear escapeways in case of an emergency.

MSHA Rev 1997 24 pp

Cat No: SM 11

## Mine Maps — Underground (C)

This course is designed to train Federal coal mine inspectors to read and interpret underground coal mine maps. Included are the regulations with examples of their usage, and suggested mine map symbols.

### Books

- Instructor's Guide 95 pp
- Student's Text 9 pp

MSHA 1996

Cat No: CI 40 (Instructor's Guide)

CI 40a (Student's Text)

## Mining Disasters

This publication includes photographs and newspaper clippings of some of the nation's worst mining disasters. It also includes a listing of Historic Coal Mine Disasters in the United States from 1839-2003 and a listing of Historic Metal/Nonmetal Disasters in the United States from 1869-2003.

MSHA Rev 2003 66 pp

Cat No: OT 32

## New Technology for Stockpiles

This DVD shows two new technology methods designed to keep dozer operators safe while working on or near coal stockpiles. The GPS method uses a colorful display unit, within easy eye sight, to warn the operator when the dozer gets within 25 feet of the feeders. This has proven to be very helpful when operating a dozer during inclement weather, darkness, or fog. The remote control

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dozer method allows the dozer to work without having a person in the cab. The operator runs the dozer using remote control from a safe distance away from the stockpile.

MSHA 2008

Cat. No: DVD 621

## **No Big Deal (C/MNM)**

This video highlights the success story of a rock driller who, while working on top of a highwall, survived a fall and was not injured because he was wearing fall protection equipment. The video contains interviews, including the personal account of the accident. It also points out best practices regarding the dangers of working on top of highwalls and the proper use of personal fall protection equipment.

MSHA 2002 9 min

Cat No: DVD 527

DVD includes both English and Spanish versions – see following Spanish description.

## **Nada del Otro Mundo (C/MNM)**

Este video resalta la historia exitosa de un taladrador de piedra que, mientras trabajaba encima de un highwall, sobrevivió una caída y no se lesionó porque él llevaba el equipo de protección contra caídas. El video contiene entrevistas, incluso el relato personal del accidente. También señala nuestras mejores prácticas con respecto a los peligros de trabajar encima de highwalls y el uso apropiado del equipo personal de protección contra caídas.

MSHA 2002 9 minutos

Número de Catálogo: DVD 527-S

## **Oh! My Aching Back (C/MNM)**

Back injuries from lifting objects that are too heavy and/or from using incorrect lifting techniques are a common occurrence in many industries. This video shows workers the correct method of lifting

(including good posture, positioning and smooth application of lifting power), and uses flexible training models (which simulate the human backbone, muscles and ligaments) to illustrate how strains occur and how discs are “pinched.” It utilizes live-action scenes in underground mines and industrial plants to emphasize the need for proper lifting and handling of working tools and materials.

BuM 1965 21 min

Cat No: DVD 584

## **On-The-Job Training Modules — Cement**

This guide was developed cooperatively by MSHA and members of the cement industry. Topics include:

1. General Plant Cleanup
2. Cleaning Belt Conveyors
3. Unplugging Clinker Breaker
4. Shooting Kiln Gun
5. Unplugging Preheater
6. Restarting After a Plantwide Power Failure
7. Manual Handling of Materials
8. Operating and Handling Railroad Equipment
9. Splicing Conveyor Belts
10. Using an Overhead Hoist to Lift or Handle Parts or Material
11. Replacing the Drive Chain or Belt on a Screw Conveyor
12. Handling Materials with Shop Overhead Crane
13. Welding and Cutting
14. Equipment Lockout Procedures
15. Electrical Procedures for Non-Electricians

Each module contains a brief job description and a generic job safety analysis (JSA) of a job common to cement operations.

MSHA Rev 2002 113 pp

Cat No: IG 42

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## **On-The-Job Training Modules — Metal and Nonmetal Dredges**

This guide was developed cooperatively by MSHA and members of the dredging industry. Topics include:

1. Dredge Operations
2. Barge Haulage
3. Replacing Major Components of a Cutter-head Dredge
4. Equipment Lockout Procedures
5. Manual Handling of Materials

Each module contains a brief job description and a generic job safety analysis (JSA) of a job common to dredging operations.

MSHA Rev 2005      74 pp

Cat No:      IG 41

## **On-The-Job Training Modules — Surface Anthracite**

This guide is a fifteen-part program developed cooperatively by MSHA and members of the anthracite mining industry. It is designed to supplement existing training programs and assist the industry in conducting effective on-the-job training (OJT).

Topics include:

1. Front-End Loader Operation
2. Dozer Operation
3. Hauler Operation
4. Pan Scraper Operation
5. Backhoe and Hydraulic Excavator Operation
6. Power Shovel Operation
7. Dragline Operation
8. Drill Operation
9. Storage, Transportation, and Use of Explosives
10. Field Maintenance of Surface Equipment
11. Welding and Cutting
12. Inspecting and Replacing Wire Ropes (Cables)
13. Ground Control

14. Manual Handling of Materials
15. Prevention of Slip and Fall Accidents

Addendum - Questions for Discussion

Each module contains an introduction and a generic job safety analysis (JSA) of a job common to surface anthracite operations.

MSHA Rev 1999      210 pp

Cat No:      IG 51

## **On-The-Job Training Modules — Surface Coal**

This guide is a fifteen-part program developed cooperatively by MSHA and members of the surface coal mining industry. It is designed to supplement existing training programs and assist the industry in conducting effective on-the-job training (OJT).

Topics include:

1. Front-End Loader Operation
2. Bulldozer Operation
3. Truck Haulage
4. Pan Scraper Operation
5. Backhoe and Hydraulic Excavator Operation
6. Power Shovel Operation
7. Dragline Operation
8. Drill Operation
9. Storage, Transportation and Use of Explosives
10. Field Maintenance of Surface Equipment
11. Welding and Cutting
12. Inspecting and Replacing Wire Ropes (Cables)
13. Ground Control
14. Manual Handling of Materials
15. Prevention of Slip and Fall Accidents

Addendum - Questions for Discussion

MSHA Rev 2003      201 pp

Cat No:      IG 48

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## **On-The-Job Training Modules — Surface Metal/Nonmetal**

This guide was developed cooperatively by MSHA and members of the surface metal/nonmetal industry. It is designed to supplement existing training programs and assist the industry in conducting effective on-the-job training (OJT). Topics include:

1. Front-End Loader Operation
2. Dozer Operation
3. Hauler Operation
4. Pan Scraper Operation
5. Backhoe and Hydraulic Excavator Operation
6. Mobile Crane Operation
7. Hydraulic Shovel Operation
8. Power Shovel Operation
9. Dragline Operation
10. Drill Operation
11. Storage, Transportation and Use of Explosives
12. Field Maintenance of Surface Equipment
13. Welding and Cutting
14. Inspecting and Replacing Wire Ropes (Cables)
15. Ground Control
16. Manual Handling of Materials
17. Prevention of Slip and Fall Accidents

Addendum - Questions for Discussion

Each module contains an introduction and a generic job safety analysis (JSA) of a job common to surface metal and nonmetal operations.

MSHA Rev 2005      262 pp

Cat No:      IG 43

## **On-The-Job Training Modules — Underground Anthracite**

This guide was developed cooperatively by MSHA and members of the anthracite mining industry. It is designed to supplement existing training programs and assist the industry in conducting effective

on-the-job training (OJT). Topics include:

1. Roof Control - General
2. Installing Permanent Supports
3. Equipment Lockout Procedures
4. Prevention of Slip and Fall Accidents
5. Manual Handling of Materials
6. Installing Ventilation Controls
7. Blasting Operations

Addendum - Questions for Discussion

MSHA Rev 1999      101 pp

Cat No:      IG 50

## **On-The-Job Training Modules — Underground Coal**

This guide was designed cooperatively by MSHA and members of industry. Topics include:

1. Roof Control - General
2. Installing Temporary Supports
3. Installing Permanent Supports
4. Shuttle Car Haulage
5. Scoop Haulage
6. Operating Track Haulage Equipment
7. Belt Conveyor Haulage
8. Manual Handling of Materials
9. Prevention of Slip and Fall Accidents
10. Equipment Lockout Procedures
11. Electrical Procedures for Non-Electricians
12. Installing Ventilation Controls
13. Section Belt and Power Center Moves

MSHA 1986      191 pp

Cat No:      IG 47

## **Open-Pit Mining Hazards (MNM)**

Moving machinery and moving earth supply the basic ingredients for a variety of possible hazards in mining ore from open pits. This video uses staged accidents (involving dump trucks, power shovels, front-end loaders, rail haulage and highwall blasting) to show what happens as the

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result of workers' carelessness, overlooked safety precautions, and/or unsafe machinery and mining methods. It explains why the accidents happened and stresses the correct and safe way to perform various mining jobs to prevent future accidents.

BuM 1967 17 min

Cat No: DVD 559

## **Orientation and Indoctrination of Safe Workmen (MNM)**

This video follows a group of new employees through preemployment testing, hiring and actual working situations. The industry is a gypsum products manufacturing plant, but the orientation and indoctrination policies and procedures may easily be applied to other mining or manufacturing organizations. It takes viewers on a tour of the plant and follows new employees through interviews, physical examinations, classroom instruction, and on-the-job training sessions. It stresses job safety as an integral part of production, and highlights the value of accident prevention training for all employees.

BuM 1966 27 min

Cat No: DVD 560

## **Part 48 Training — Coal**

### **Surface**

This guide consists of general training materials designed for use at all surface coal mining operations, including surface work areas of underground mines and coal preparation plants. The complete program consists of 23 separate training modules which support four Part 48 training categories:

1. New Miners Training
2. Newly Employed Experienced Miners Training
3. Annual Refresher Training
4. Hazard Training

An outline is also furnished to show trainers how the program is put together.

WV University Mining Extension  
Service 1980

BuM Contract JO188069

Cat No: IG 22

## **Part 48 Training — Metal/Nonmetal Deep Mines**

This guide consists of general materials designed for use at all deep metal/nonmetal mines — except underground salt mines. It is packaged in three volumes:

1. New Miners Training 519 pp
2. Newly Employed Experienced Miners Training 123 pp
3. Annual Refresher Training 139 pp

Bendix Corp 1981

BuM Contract JO308011

Cat No: IG 17

### **Surface Mines**

This guide consists of general materials designed for use at all surface metal/nonmetal mines — except sand and gravel operations and surface uranium mines. It is packaged in three volumes:

1. New Miners Training 218 pp
2. Newly Employed Experienced Miners Training 119 pp
3. Annual Refresher Training 142 pp

Bendix Corp 1981

BuM Contract JO308011

Cat No: IG 19

### **Underground Salt Mines**

This guide is designed for use only at underground salt mines. It repeats general materials contained in IG 19 Surface Mines program but has changes and additions specific to underground salt mining operations. It is packaged in three volumes:

1. New Miners Training 235 pp
2. Newly Employed Experienced Miners Training 118 pp

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3. Annual Refresher Training 139 pp

Bendix Corp 1981

BuM Contract JO308011

Cat No: IG 20

## Precious Metals Refining

This interactive DVD is a three video set addressing some safety issues of precious metals refining. Mercury is in our ore. When we recover gold and silver, we also recover mercury. Mercury is toxic, and elevated levels of it are harmful to the body. This DVD shows ways to protect persons from the hazards associated with mercury, and how to help protect the environment.

- Health and Safety Procedures During Maintenance Operations in Precious Metal Refining 12 min
- Health Hazards and Controls in Precious Metals Refining 15 min
- Personal Protective Equipment in Precious Metals Refining 8 min

MSHA 2004

Cat No: DVD 006

## Protective Canopy (A Survivor's Story and Reason for Change)

Protective Canopy (A Survivor's Story) - This video contains a taped interview with a roof fall survivor who was operating a scoop with a protective canopy. The miner tells in his own words how he survived after mine roof, approximately 4 feet thick, fell on the scoop he was operating, trapping him for at least 20 minutes. Taped on location in Madisonville, Kentucky.

Reason for Change (Canopy Save) - Danny Terry survived a massive roof fall because his ram car had a canopy. In his interview, Danny admits he did not like canopies, but now he is a firm believer in canopies. . .he wouldn't run any equipment without one.

MSHA 1995 19 min

Cat No: DVD 599

DVD includes both English and Spanish versions – see following Spanish description.

## Cabina protectora (Historia de un superviviente)

Filmado en Madison, Kentucky, este video relata la historia de un minero que, gracias a la cabina de protección del vehículo que manejaba, pudo sobrevivir a la caída de un techo. En sus propias palabras, el minero cuenta cómo sobrevivió cuando una parte del techo de la mina, de unos cuatro pies de espesor, cayó sobre su vehículo, atrapándolo al menos durante 20 minutos.

MSHA 1995 6 minutos

Número de Catálogo: DVD 599-S

## Un motivo para cambiar (la cabina salvadora)

Gracias a la cabina de protección de su vehículo, Danny Terry pudo sobrevivir a la caída de un enorme techo. Danny reconoce que si antes del accidente no le gustaban las cabinas de protección, hoy día ni se le ocurriría trabajar si no tuviera una.

MSHA 1997 13 minutos

Número de Catálogo: DVD 599-S

## "Reflections" Mining History (C)

This DVD shows the evolution of health and safety laws and the role of the supervisor.

MSHA 2002 11 min

Cat No: DVD 509

## Respirable Dust Sampling (C/MNM)

This interactive DVD demonstrates how to correctly collect dust samples. You will learn about the purpose of dust sampling, calibration procedures, the components of the sampling train, and the pitfalls of not sampling correctly. This DVD points out some of the more common errors that result in a lost opportunity to find out if a miner experienced dust exposures that could adversely affect his/her health. It also includes a "Test Your Knowledge" section.

MSHA 2005 27 min

Cat No: DVD 011

# Historical Materials

## Rock Along (C)

This dramatic video exemplifies what can happen in an underground coal mining environment when shortcuts are taken and production comes before safety.

MSHA 2005 9 min

Cat No: DVD 551

## Roof and Rib Control (C)

This DVD presents a broad overview of roof/rib hazards in the underground coal mining industry, and illustrates the need for roof and rib control. Topics covered include roof and rib evaluations, the roof control plan, sources of roof/rib hazards, proper installation of roof supports, retreat mining, longwall mining, MRS units, ATRS units, information and technical support.

MSHA 2003 15 min

Cat No: DVD 548

DVD includes both English and Spanish versions – see following Spanish description.

## Control de techo y pilares (C)

Este video presenta una amplia vision en los riesgos de techo y pilares en la industria de la minería de carbon. Los temas tratados incluyen, evaluaciones de techo y pilares, el plan de control de techo, fuentes de riesgo en techo y pilares, adecuada instalación de soportes de techo, minería retractile, minería de tajo largo, unidades MRS, unidades ATRS, información y apoyo técnico.

MSHA 2003 15 minutos

Número de Catálogo: DVD 548-S

## Roof Bolting in Coal Mines

This video stresses the importance of roof bolting to the coal mining industry. It explains principles and purposes of roof bolting and uses working models, laboratory demonstrations, actual underground applications, and tests. It shows how mining operations and bolting methods are coordi-

nated and emphasizes safety throughout the roof control process.

BuM 1973 19 min

Cat No: DVD 617

## Roof Control

In this interactive DVD you will take a look at many important aspects of roof and rib control. Some of the topics that we will review include: roof and rib evaluations, sources of roof/rib hazards, the roof control plan, various myths that are used by miners for going inby supported roof, identifying hazardous roof conditions, and much more. A downloadable slide show, best practice tips, an interactive quiz, and roof control awareness bulletins are included.

- Roof and Rib Control 15 min
- Inby Roof Support 12 min
- Roof Evaluations and Decisions 14 min

MSHA 2004

Cat No: DVD 005

## Safety and Health Compliance Audit for Gypsum Operators (MNM)

This safety and health audit focuses on the most common violations found at gypsum operations, based on twenty conditions/practices that accounted for violations cited at gypsum mines and facilities. Completing this self-audit package is a first step in developing a safety program that will avoid common conditions/practices at your mining operation.

MSHA Rev 2005 12 pp

Cat No: IG 90a

## Safety and Health Compliance Audit for Gypsum Operators – Long Version (MNM)

This self-audit package is a companion to the Safety and Health Audit for Gypsum Operators (IG 90a). It is designed to help check safety and health conditions at your operation, and to assist

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in establishing a baseline from which you can begin to evaluate your operation and make changes to improve safety and health. This extensive audit package is intended to cover 30 CFR Parts 47, 56, 57, and 62.

MSHA Rev 2005      102 pp  
Cat No:              IG 90

## **Safety Consciousness (MNM)**

This video demonstrates how various people at work and play develop safe behavior in their daily activities.

BuM 1969      10 min  
Cat No:              DVD 562

## **Safety Issues in Deep Cut Mining (Small Mines Tech Transfer)**

This video addresses the ergonomic problems in deep cut mining (cuts greater than twenty feet) and what actions can be taken to help find and to help formulate solutions in solving these problems.

BuM 1995      17 min  
Cat No:              DVD 561

## **Safety On Or Near the Water (MNM)**

This video discusses the hazards of working on or near the water and the precautions that need to be taken to protect workers in this situation.

MSHA 1998      14 min  
Cat No:              DVD 503

DVD includes both English and Spanish versions – see following Spanish description.

## **La seguridad en el agua o cerca de ella**

En este video se habla de los riesgos que pueden correr los mineros que trabajan en el agua o cerca de ella, y de las precauciones que deben tomarse para prevenir accidentes.

MSHA 1998      14 minutos  
Número de Catálogo: DVD 503-S

## **Safety on the Move: Truck Haulage Safety (C/MNM)**

This video shows how the camera conveys atmosphere and movement around an open pit mining operation. It shows huge haulage trucks in action and depicts how truck operators encounter difficult, dangerous, and emergency driving situations while performing assigned duties. It points out existing and potential hazards of truck haulage by reenactment of some of the most frequently-occurring accidents. It explains causes of these accidents and outlines corrective steps necessary to prevent their recurrence and stresses on-the-job safety training and a truck driver's personal safety responsibility throughout.

MSHA Rev 1995      13 min  
Cat No:              DVD 545

## **Safety Practices in Low-Coal Mining**

This video uses live-action underground photography to show special hazards workers must guard against in thin-seam mines. It illustrates how restricted work space, curtailed field of vision, and cramped body position can intensify danger when working with fast-moving, high-powered machines. It also emphasizes teamwork, alertness, and "know-how."

BuM 1971      15 min  
Cat No:              DVD 613

## **Safety Tips (Working Beside Highwalls) (C/MNM)**

To increase your awareness of highwall safety, this video lets you follow a supervisor as he makes his rounds at a surface mine operation.

MSHA 2002      5 min  
Cat No:              DVD 571

DVD includes both English and Spanish versions – see following Spanish description.

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## **Consejos de seguridad para trabajar al lado de los frentes de corte alto**

Para que esté más consciente de los riesgos que implica el trabajar en los frentes de corte alto, este video muestra el trabajo de un supervisor durante una de sus rondas.

MSHA 2002 5 minutos

Número de Catálogo: DVD 571-S

## **Scaling**

This video describes scaling, the taking down of loose material from the roof, face and rib in hard rock mining. It will remind you of some of the safety procedures and common sense practices to use during scaling.

MSHA 1996 10 min

Cat No: DVD 585

## **Scientific Look At Back Belts**

This DVD discusses the scientific approach to the benefits, and nonbenefits, associated with wearing back belts.

BuM 1995 16 min

Cat No: DVD 588

## **Seat Belt Success Story - Part I - By Terry Sanders (C/MNM)**

This video tells of an accident that occurred in 1980, when an off-road truck lost its power and brakes and went down a mountain backward. The truck was destroyed and the driver states that he is alive because he was wearing his seat belt.

MSHA 1996 5 min

Cat No: DVD 546

DVD includes both English and Spanish versions – see following Spanish description.

## **Un cinturón de seguridad cumple su misión - Parte I - por Terry Sanders.**

Este video relata un accidente que ocurrió en 1980 cuando a un camión para todo tipo de terreno se le descompuso el motor, los frenos, se fue de reversa y cayó de una montaña. El camión quedó

completamente destrozado y el conductor asegura que se salvó gracias al cinturón de seguridad que traía puesto.

MSHA 1996 5 minutos

Número de Catálogo: DVD 546-S

## **Seat Belt Success Story - Part II - (The Roger Newman Story) (C/MNM)**

This video tells how a bulldozer operator survived a 160-foot fall from a highwall while buckled in with his seat belt. He miraculously walked away from the accident.

MSHA 1996 7 min

Cat No: DVD 547

DVD includes both English and Spanish versions – see following Spanish description.

## **Un cinturón de seguridad cumple su misión - Parte II - (La historia de Roger Newman)**

Este video describe como un operador de buldózer sobrevivió a una caída de 160 pies que ocurrió cuando trabajaba en un frente de corte alto, gracias al cinturón de seguridad que traía puesto. Milagrosamente se salvó del accidente.

MSHA 1996 7 minutos

Número de Catálogo: DVD 547-S

## **Self-Contained Self-Rescuer (SCSR), Care and Maintenance of the Dräger Oxy-K and the Oxy-K Plus S (C)**

It is vitally important that your SCSR works properly when needed. This video demonstrates proper inspection, maintenance and donning procedures of the Dräger Oxy-K Plus and the Oxy-K Plus S. The program emphasizes some of the features for each model, shows how to thoroughly inspect the units, covers proper donning techniques, and shows what it is like to wear the SCSR in an evacuation exercise.

MSHA 2005 14 min

Cat No: DVD 523

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## **Silicosis: A Preventable Disease (MNM)**

This video answers employee's questions about the health effects of silica dust exposure.

MSHA 1999 17 min

Cat No: DVD 532

DVD includes both English and Spanish versions – see following Spanish description.

## **Silicosis: una enfermedad que se puede prevenir**

En este video vemos cómo un médico responde las preguntas de un empleado acerca de los riesgos que representa el trabajar con sílice.

MSHA 1999 17 minutos

Número de Catálogo: DVD 532-S

## **SLAM for Life - MSHA Risk Assessment**

MSHA employees, as well as mining personnel, face many hazards at home, in the office, and at the mine site. When accidents occur, many of them fall into these categories: lifting; slips, trips, and falls; and mounting and dismounting equipment. This training DVD will help you to recognize these types of hazards.

MSHA 2005 10 min

Cat No: DVD 520

## **SLAM Risks Instructional Guide – including “SLAM Risks” the video**

This interactive DVD is intended to be used as introductory material for risk assessment training. The information in this DVD should help make you more aware of how risk assessment impacts the everyday tasks that are performed in the mining industry.

MSHA 2005

Cat No: DVD 012

## **Slope Stability of Waste Dams and Embankments (C/MNM)**

The disposal of mining waste and refuse is an ever increasing problem. Maintaining the stability and safety of waste storage facilities is part of that problem. This video points out the importance of properly designed and constructed waste dams and embankments to show the destructive aftermath of coal wastebank failures and landslides. It combines animation sequences with ground-level and aerial photography to explain various types of slope failures, describe inherent and potential hazards, and outline a constructive program of inspection, detection and correction. It demonstrates on-site monitoring methods (some methods using off-site computer analyses).

MSHA 1979 28 min

Cat No: DVD 602

## **Small Mines Training\* (C)**

This guide consists of general information designed to improve the effectiveness of supervisory personnel. It is intended for all levels of coal mine management. Complete set of materials contains:

### **Books**

- Managing Maintenance 52 pp
- Human Relations Skills at Work 39 pp
- Managing a Section 37 pp
- Complying With Part 48 55 pp
- Conducting Your Own Training 35 pp
- Elements of Management Planning 41 pp
- Developing a Comprehensive Safety Program 46 pp

WV University Mining Extension Service (subcontractor to HUMRRO) 1982

BuM Contract JO188053 HUMRRO E81-0303 WVU 1982

Cat No: IG 11

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## **Stay Calm and Stay in the Cab!**

In this video you'll hear how a bulldozer operator felt while he was buried in a surge pile cavity, and how his company's safety efforts, before and during the accident, contributed to his safe recovery.

MSHA 1999 12 min

Cat No: DVD 544

DVD includes both English and Spanish versions – see following Spanish description.

## **¡Tranquílcese y quédese en la cabina!**

En este video un operador de buldózer relata qué fue lo que sintió cuando quedó enterrado en una cavidad de una pila de regulación, y cómo, gracias al apoyo de su compañía, antes y durante el accidente, pudo recuperarse.

MSHA 1999 12 minutos

Número de Catálogo: DVD 544-S

## **Stay Out of the Danger Zone (C)**

This video describes several fatalities that occurred with the use of remote controlled continuous mining machines. You will hear from a survivor of a continuous mining machine accident as he describes his injuries and stresses the importance of staying out of the danger zones of this type of mining equipment.

MSHA 1999 12 min

Cat No: DVD 540

DVD includes both English and Spanish versions – see following Spanish description.

## **No se acerque a la zona de peligro**

Este video describe varios accidentes mortales ocasionados por el uso de minadores continuos controlados a distancia. También escuchará los consejos de un superviviente que comparte su experiencia y enfatiza la importancia de mantenerse alejado de ese tipo de equipo minero.

MSHA 1999 12 minutos

Número de Catálogo: DVD 540-S

## **Substance Abuse Recognition for Supervisors (C/MNM)**

This course is designed to educate supervisors in the common types of drugs and their effects on the worker, how to recognize a troubled employee, and how to give assistance. It can be tailored to include the company's Employee Assistance Program if available.

### **Books**

- Instructor's Guide 71 pp
- Student's Text 17 pp

MSHA 1992

Cat No: CI 11 (Instructor's Guide)

CI 11a (Student's Text)

## **Supervisor's Responsibilities in Roof Control (C)**

This video helps front line underground coal mine supervisors understand what their duties are to the miners, as well as to management, concerning safety in the working place.

MSHA 1988 11 min

Cat No: DVD 609

## **Supervisory Training Series (MNM)**

This video series is designed to motivate metal mine supervisory personnel to stress safety in all facets of the mining process. The two videotapes may be shown independently or as a series (in the following sequence).

- Man and His Habits (MNM) - Depicts how careless habits may endanger safety at home and on the job.

BuM 1969 13 min

Cat No: DVD 586

- Safety Consciousness (MNM) - Demonstrates how various people at work and play develop safe behavior in their daily activities.

BuM 1969 10 min

Cat No: DVD 562

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## **Surface Contractors Training Program (C/MNM)**

This program will provide recommendations and instructional guidelines to help prevent accidents to surface contractors in the mining industry. It includes six fundamental accident prevention topics: Review of Pertinent Federal Laws; Review of Independent Contractor Fatalities; Review of General First Aid; Review Hazard Training Applications; Review Pertinent General Safety Guidelines; and Review Line of Authority and Responsibility.

MSHA 1999 478 pp

Cat No: OT 18

## **Surface Haulage Metal/Nonmetal Mine Inspector Training**

This set of materials reviews 86 topics relating to surface metal/nonmetal mine haulage regulations and procedures.

### **Books**

- Instructor's Guide 800 pp
- Student's Text 27 pp

MSHA 1997

Cat No: CI 45 (Instructor's Guide)  
CI 45a (Student's Text)

## **Surface Haulage Safety (C/MNM)**

Accidents involving haulage trucks and other mobile surface equipment constitute a major safety problem in the mining industry. This manual illustrates the important principles of haul road design and maintenance, braking system inspection and maintenance, and driver procedures relating to truck runaways. A section also looks at potential hazards and preventive measures associated with surface haulage, and how these hazards can be minimized to equipment operators.

MSHA Rev 2000 50 pp

Cat No: SM 22

## **Surface Installations (C)**

This course is designed to train Federal coal mine inspectors in the inspection of surface installations

at both underground and surface mines, including coal preparation plants, in compliance with 30 CFR Part 77. A lesson on inspecting thermal dryers is included.

### **Books**

- Instructor's Guide 189 pp
- Student's Text 56 pp

MSHA 1992

Cat No: CI 12 (Instructor's Guide)  
CI 12a (Student's Text)

## **Surge Pile Survivor (C)**

A near miss incident occurred on the surface at an underground coal mine. Mike Gilbert, a mobile equipment operator, tells his story about how he was rescued when his bulldozer became entrapped in a void.

MSHA 2003 8 min

Cat No: DVD 592

## **Survivor Stories of the Coal Mining Industry (C)**

This interactive DVD is a collection of seven previously produced videotape programs depicting survivor stories. It provides a broad look at various mining operations but may not address specific conditions or equipment at your mine, and therefore should be used as a supplement to your own mine-specific training.

- Inundation of Water and Ignition – Eyewitness Account 12 min
- Protective Canopy – A Survivor's Story 6 min
- Reason for Change – Canopy Save – Danny Terry 13 min
- Stay Calm and Stay in the Cab 11 min
- Seat Belt Success Story – Part One – Terry Sanders 5 min
- Seat Belt Success Story – Part Two – Roger Newman 7 min
- Stay Out of the Danger Zone 12 min

MSHA 2003

Cat No: DVD 002

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## **Timbering in Underground Anthracite Mines**

Timbering is the most common roof support method used in underground anthracite mines. The system of timbering is governed by the character of the top and bottom, thickness of the coal vein, pitch of the coal vein, life of the entry, haulage system, and the operator's approved roof control plan. This DVD demonstrates the fundamentals and characteristics used in installing typical timber sets: single prop, post and bar (two-piece sets), and "double timber" (three-piece sets).

MSHA 1994 54 min

Cat No: DVD 589

## **Time Was Right!, The - Mary Lou George (C/MNM)**

From miner's daughter to MSHA mine inspector – Mary Lou George tells her inspiring story. She advises to watch out for others and yourself; never lose respect for the mine; and never forget about safety.

MSHA 1998 12 min

Cat No: DVD 530

## **"Today's Technology Needs Tomorrow's Heroes" (C)**

Highly trained mine rescue teams have worked diligently in dangerous environments to rescue miners and to recover coal mines. These men and women have been aided by the newest technologies available to protect them and to respond rapidly to the dangers present in coal mines. As younger miners enter the workforce, mentors are encouraged to pass on the wisdom of their experiences. These young miners and mine companies are reminded that mine rescue teams benefit both the individual miner and the mining company.

MSHA 2005 14 min

Cat No: DVD 521

## **Toolbox — Practical Ways to Reduce Exposure to Diesel Exhaust in Mining**

This toolbox contains practical ideas for reducing miners' exposures to diesel particulate matter in the mining environment.

MSHA Rev 2003 93 pp

Cat No: OT 45

## **Transportation and Communication in Underground Coal Mines**

This video emphasizes the importance of being able to recognize and avoid potential safety hazards in underground mine transportation. It re-enacts different accidents involving the transporting of workers and materials, and describes various underground mine communication systems. It uses on-the-job scenes to explain the purpose of communication systems in overall mining operations, and conveys the underlying safety lesson that both transportation and communication are essential to all underground mining operations.

MSHA 1981 9 min

Cat No: DVD 605

## **Underground Coal Mine Blasting**

This video begins with the safe storage of permissible explosives, detonators, and blasting devices in surface and underground facilities. It progresses through the transportation and handling stages (and up to the actual blasting of the coal face itself). It shows and explains how the shot firer safely performs the complete blasting operation (preparing the primers, loading the shotholes, stemming, wiring and firing the round), and demonstrates the compressed air method of blasting coal. It illustrates (through animation) what takes place inside the shothole when an Airdox shell is "fired," and stresses safe work practices throughout.

MESA 1975 19 min

Cat No: DVD 612

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## **Underground Haulage, Transportation, and Machinery (C)**

This course is designed to train Federal coal mine inspectors in the inspection of haulage and transportation systems and machinery in underground coal mines, in compliance with 30 CFR Part 75.

### **Books**

- Instructor's Guide 213 pp
- Student's Text 144 pp

MSHA 1992

Cat No: CI 13 (Instructor's Guide)  
CI 13a (Student's Text)

## **What Could Happen – Effective Risk Assessment and Inspecting Highwalls**

A shift supervisor contemplates “What Could Happen” involving real life, mine site work situations. As he assigns work duties, he mentally reviews recent fatalities that have occurred in the mining industry. The supervisor returns to each work site to review safety procedures with employees.

- What Could Happen 13 min
- Inspecting Highwalls 10 min

MSHA 2004

Cat No: DVD 500

## **What Does the Term Silicosis Mean to You? (C/MNM)**

This video is designed to raise the awareness of silicosis in the workplace and to stimulate a discussion of the disease.

MSHA 1998 13 min

Cat No: DVD 597

DVD includes both English and Spanish versions – see following Spanish description.

## **¿Qué significa para usted la palabra silicosis?**

Este video fue concebido para despertar el interés por la silicosis en los lugares de trabajo y para fomentar la discusión de esta enfermedad.

MSHA 1998 13 minutos

Número de Catálogo: DVD 597-S

## **What You Can't See Could Kill Someone! (C/MNM) [Pathway to Safety 2]**

Blind spots around haul trucks is a major problem for mining operations. To combat this problem, MSHA asked companies to put cameras on their trucks on an experimental basis. This video contains interviews with drivers who used cameras on their trucks and the safety benefits they received.

MSHA 2000 17 min

Cat No: DVD 534

DVD includes both English and Spanish versions – see following Spanish description.

## **¡Lo que no ve puede matar a alguien! [Sendero hacia la seguridad 2]**

Los ángulos muertos de los camiones de transporte son el mayor problema en la minería. Para combatirlos, la MSHA pidió a ciertas compañías que pusieran cámaras en sus camiones como parte de un trabajo experimental. En este video, varios conductores hablan de los resultados positivos obtenidos gracias a las cámaras.

MSHA 2000 17 minutos

Número de Catálogo: DVD 534-S

## **Why Roof Control Plans (C)**

Roof and rib falls are still the most dangerous hazard an underground coal miner faces. The premise of this film is that the hazard can be prevented or reduced by following an approved roof control plan. It explains basic plans, gives

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examples, and describes plan implementation. It demonstrates important items included in the plan (such as types of support, areas covered, and rock strata diagrams) under actual mining conditions. It shows mining equipment and materials, bolting machines, roof bolts and timbers in use, and urges miners to become familiar with their mine's roof control plan.

MSHA 1981 16 min

Cat No: DVD 608

## Winter Alert (C)

This video describes the four lines of defense to guard against mine explosions. The four interrelated lines of defense are ventilation, examinations, ignition sources, and rock dusting. Proper attention to each of these areas can greatly reduce the chances of an explosion at your mine.

MSHA 2000 13 min

Cat No: DVD 512

DVD includes both English and Spanish versions – see following Spanish description.

## Alerta en los meses de invierno

Este video describe las cuatro líneas de defensa que hay para protegerse de las explosiones mineras. Las cuatro líneas de defensa son la ventilación, los monitoreos, las fuentes de ignición y el polvo de roca. El dar una atención especial a esas cuatro áreas puede reducir en gran medida las probabilidades de que haya una explosión en su mina.

MSHA 2000 13 minutos

Número de Catálogo: DVD 512-S

## Winter Alert (C/MNM)

This safety manual surveys potentially dangerous conditions encountered in underground coal operations during the winter months, and covers winter related surface mining hazards. Although primarily intended for coal, much of the information in this manual can be applied to metal/nonmetal mines.

MSHA Rev 2002 64 pp

Cat No: SM 19

## Winter Alert: The Sonman Mine Disaster (C)

This winter alert video gives a historical review of the Sonman Mine disaster of the 1940s by re-creating underground scenes that dramatize the disaster for a lasting impression.

MSHA 1998 11 min

Cat No: DVD 601

## Workplace Examinations (Surface MNM)

Surface metal and nonmetal mines present a variety of potential safety and health hazards. Effective, thorough, workplace examinations are one way to help you to recognize and address some of these hazards before they become more dangerous. This video describes some of these hazards and gives you ideas and tips on how to look for them.

MSHA 2004 12 min

Cat No: DVD 522

DVD includes both English and Spanish versions – see following Spanish description.

## Inspeccion De Las Areas De Trabajo De Las Minas De Metales Y No Metales

Las superficies de las minas de metales y no metales presentan una variedad de riesgos potenciales para la seguridad y la salud. A través de revisiones efectivas del lugar de trabajo son una forma de ayudarlo a reconocer y ubicar algunos de estos riesgos antes de que resulten más peligrosos. Este DVD describirá algunos de estos riesgos y le darán ideas y algunos tips de como tratarlos.

MSHA 2004 12 minutos

Número de Catálogo: DVD 522-S

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