

**TRAINING PLAN FOR SURFACE MINERS
PART 48, Subpart B**

1. Company Name:

Mine name(s):

ID: 48.23(c)(1)

(Street)

(City) (State)

(Zip code)

2. Person responsible for safety and health training at the mine: 48.23(c)(2)

Name: _____ Position Title: _____ Telephone: _____

3. MSHA Approved Instructors: 48.23(g) and (h) (See notes 1, 2, 3 on next page)

NAME	MIIN	EMPLOYEE ID NUMBER	COURSES 48.23(c)(3)
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4. Locations where training will be conducted: 48.23(c)(4)

New Inexperienced Miner: _____ Newly Employed Experienced Miner: _____
Task Training: _____ Annual Refresher: _____
Hazard Training: _____ Task training will be conducted by qualified individuals.

5. Approximate number of miners employed: _____

6. Maximum number of trainees per session: _____ 48.3(c)(6)

NEW MINER TRAINING PROGRAM SURFACE - Part 48.25

24 hours minimum

Training Location: _____

Subject, Est. Time	Objectives	Conducted by	Teaching Methods	Course Material	Evaluation Methods
Statutory Rights of miners and their representatives under the Act; Authority and Responsibility of Supervisors [Section 48.25 (b)(1)] Length: 1/2 hour to 1 hour	Able to list all miners rights and those of representative of miner. Able to name persons in charge of mine and the responsibility of their agents. Understands Line of Authority. Understands reporting requirements.	MSHA Approved Instructor	Lecture	Federal Standards Digital Media 10 Question Test MSHA and various training materials	Oral response Discussion Questions and Answers
Self Rescue & Respiratory Devices [Section 48.25 (b)(2)] Length: 1/2 hour to 1 hour	Will explain the difference parts of respirator (donning, doffing, use, cleaning, maintenance). Will explain when to use a respirator and what type for hazard. Will understand the hazards associated with silicosis.	MSHA Approved Instructor	Lecture	Federal Standards Digital Media; Optional Video MSHA and various training materials	Oral response Discussion Questions and Answers
Transportation, Controls and Communication Systems [Section 48.25 (b)(3)] Length: 1/2 hour to 1 hour	Able to explain applicable mobile equipment regulations applying to riding on and in mine conveyance; Able to explain the rules regarding the transportation of personnel and materials. Able to explain traffic controls. Explain the different types of communication system(s), and warning and directional signs. Winter and seasonal weather conditions.	MSHA Approved Instructor	Lecture and discussion	Federal Standards Digital Media; Company Rules & Policies Fatalgrams MSHA Training Materials	Oral response Discussion Questions and Answers
Introduction to the Work Environment [Section 48.25 (b)(4)] Length: 1/2 hour to 1 hour	Able to explain various mining methods does not replace company's requirement to provide this training. Classroom portion only. Uses a representative mine model. (Note: Additional onsite training required)	MSHA Approved Instructor, Mine Operator	Lecture and discussion	Federal Standards Digital Media	Oral response/discussion Discussion Questions and Answers
Escapeways; Emergency Evacuation Fire warning and Fire-fighting [Section 48.25 (b)(4)] Length: 1/2 hour to 1 hour	Be able to explain a mine evacuation system. Name types of fire extinguishers. Will be able to explain fire warning signals and fire fighting procedures. Can explain fire tetrahedron. Will be able to explain escape and emergency evacuation plans in effect at the mine. Explain types of emergencies that can affect evacuation at surface mines (chemical spills, fires in bldgs, etc.). Importance of MSDS. Hazards of accumulated combustible material, open flame, smoking. (Note: Additional onsite training required)	MSHA Approved Instructor, Mine Operator	Lecture;	Visual Aids; Props; Digital Media; Diagrams	Oral response/discussion Discussion Questions and Answers

continued

NEW MINER TRAINING PROGRAM SURFACE - Part 48.25

(Continued)

Training Location: _____

Subject, Est. Time	Objectives	Conducted by	Teaching Methods	Course Material	Evaluation Methods
<p>Ground Control: Working in Areas of High Walls, Water Hazards, Pits and Spoil Banks, Illumination and Night Work</p> <p>[Section 48.25 (b)(6)] Length: 1/2 hour to 2 hour</p>	<p>Will explain procedures for inspecting and working high wall areas. List hazards connected with working around highwalls, water hazards, pits and spoil banks. List safe work procedures used during hours of darkness and for illumination of work areas. Dump-point safety. Ground control at surface mines. Proper height, material for berms.</p>	<p>MSHA Approved Instructor</p>	<p>Lecture Discussion</p>	<p>Federal Standards Digital Media Optional Video MSHA and various training materials</p>	<p>Oral response Discussion Questions and Answers</p>
<p>Health</p> <p>[Section 48.25 (b)(7)] Length: 1/2 hour to 1 hour</p>	<p>Will explain noise and dust regulations. Will be able to explain the purpose of Industrial Hygiene sampling (noise, dust, DPM, , fumes, etc.). Understand dust hazards, control methods. Understands hazards associated with silicosis. Can explain methods for hearing conservation and proper PPE. Can explain health risks associated w/ diesel particulate matter and practical ways to reduce exposure to DPM at surface mines. Understands how engineering controls, personal hygiene, protective equipment, and respiratory protection all play a role in miner’s health. Can explain safe welding and cutting methods at a surface mine.</p>	<p>MSHA Approved Instructor</p>	<p>Lecture Discussion Optional desk top</p>	<p>Federal Standards Optional Video MSHA and various training materials Digital Media</p>	<p>Oral Response Feedback from Students Questions and Answers PPE Examples</p>
<p>Hazardous Communications</p> <p>[30 CFR Part 47] Length: 1/2 hour to 1 hour</p>	<p>Can explain how miners are warned about hazardous chemicals in the workplace and miner’s right-to-know about chemicals. Can decipher information on a MSDS. Explain proper storage of chemicals used in the workplace, labeling, company’s written HazCom plan. Understands and can explain techniques used for recognition of hazardous conditions and situations. Information about the physical and health hazards of chemicals in the miner’s work area. Protective measures a miner can take against these hazards. Contents of the mine’s HazCom program.</p>	<p>MSHA Approved Instructor</p>	<p>Lecture Discussion Optional desk top exercises</p>	<p>Federal Standards Digital Media Optional Video MSHA and various training materials Various reference & research manuals for exercises Company Policy and HazCom program MSDS PPE Equipment</p>	<p>Oral Response Feedback from Students Questions and Answers</p>

NEW MINER TRAINING PROGRAM SURFACE - Part 48.25
(Continued)

Training Location: _____

Subject, Est. Time	Objectives	Conducted by	Teaching Methods	Course Material	Evaluation Methods
<p>Hazard Recognition</p> <p>[Section 48.25 (b)(8)] Length: 1/2 hour to 1 hour</p>	<p>Understands how to recognize and avoid hazards at the mine. Will explain risk identification and assessment. Can explain hazards present at the mine. Will review causes of accidents and identify means of preventing them. Will review and name the key parts of Job Safety Analysis.</p>	<p>MSHA Approved Instructor</p>	<p>Lecture Discussion</p>	<p>Federal Standards Digital Media Optional Video MSHA and various training materials</p>	<p>Oral Response Questions and Answers</p>
<p>Electrical Hazards</p> <p>[Section 48.25 (b)(9)] Length: 1/2 hour to 1 hour</p>	<p>Will be able to list electrical hazards found in mines. Can explain lock-out/tag-out procedures. Will explain basics of grounding, safe working procedures around powerlines, effects of electrical shock and precautions in rescuing electrocution victims and need for CPR. Will explain why proper PPE is important.</p>	<p>MSHA Approved Instructor</p>	<p>Lecture Discussion</p>	<p>Federal Standards Digital Media Optional Video MSHA and various training materials</p>	<p>Oral Response Discussion Questions and Answers</p>
<p>First Aid</p> <p>[Section 48.25 (b)(10)] Length: 1/2 hour to 1 hour</p>	<p>Will explain and demonstrate procedures to follow that are acceptable to MSHA. Will be able to demonstrate a general knowledge of first aid in the event of an emergency. (Note: Additional onsite training required)</p>	<p>MSHA Approved Instructor, Mine Operator</p>	<p>Lecture Discussion</p>	<p>Federal Standards Digital Media Optional Video MSHA and various training materials</p>	<p>Oral Response Discussion Questions and Answers materials</p>
<p>Explosives</p> <p>[Section 48.25 (b)(11)] Length: 1/2 hour to 1 hour</p>	<p>Will be able to explain the hazards related to use, storage, and transportation of explosives. Will be able to explain blasting procedures at mine.</p>	<p>MSHA Approved Instructor</p>	<p>Lecture Discussion</p>	<p>Federal Standards Digital Media Optional Video MSHA and various training materials</p>	<p>Oral Response Discussion Questions and Answers</p>
<p>Health and Safety Aspects of the Task to which the Miner is Assigned</p> <p>[Section 48.25 (b)(12)] Length: 1/2 hour to 1 hour</p>	<p>Will be able to tell and discuss the health and safety aspects of the task to which miner is assigned. Does not replace mine's requirement to provide task training - classroom portion only.</p>	<p>MSHA Approved Instructor</p>	<p>Lecture Discussion</p>	<p>Federal Standards Digital Media Optional Video MSHA and various training materials</p>	<p>Oral Response Feedback from Students Discussion Questions and Answers</p>

NEW MINER TRAINING PROGRAM SURFACE - Part 48.25

Training Location: _____

Subject, Est. Time	Objectives	Conducted by	Teaching Methods	Course Material	Evaluation Methods
Slings/Rigging* [Section 48.25 (13)] Length: 1/2 hour to 1 hour	Types of slings and rigging hardware; applications; and capacities. Inspection guidelines and care of slings and rigging hardware. Safety precautions to be observed when working around rigging operations.	MSHA Approved Instructors	Oral Discussion Questions/Answers Demonstrations	Company policy MSHA and various training materials Digital Media / Optional Video Manufacturer's manuals	Oral Response Feedback from Students Questions and Answers

*Included per 01/31/2005 directive by District 9 - Allyn C. Davis, District Manager

NEW TASK TRAINING FOR SURFACE MINERS

TASK TRAINING 48.27

1. Procedures

The miner will be taught the health and safety aspects and safe operating procedures for work tasks, equipment and machinery, supervised practice during non-production. Supervised operation during production, safe operating procedures for new or modified machines and equipment, welding and cutting hazards, and electrical lock-out/tag-out procedures. Training will include hazardous materials encountered and HazCom program used at the mine.

All task training will be accomplished by a thorough review of the following procedures, as applicable:

- a) Know the function and working relationship of the new task to overall goals of the operation.
- b) Be able to perform pre and post operation checks on any equipment necessary to the performance of the new tasks.
- c) Demonstrate proper start-up and shutdown procedures on such equipment.
- d) Describe and demonstrate safe operating procedures.
- e) Be knowledgeable in any required maintenance and servicing requirements.
- f) Know how to deal with or report any problems or malfunctions.
- g) Demonstrate knowledge of company and federal health and safety procedures applicable to the new task.

2. Instructor

A qualified operator, lead person, or other person who is experienced in the assigned task and will conduct training.

3. Methods

The following methods will be used where applicable to the task.

- a) Classroom
- b) Question and Answer
- c) Supervised student practice
- d) Supervised on the job training and feedback

4. Evaluation

The primary methods of evaluation will be by oral questions and answers and direct observations during practice and on the job training as to the trainee's comprehension and performance of the new task.

5. Materials

- a) Lesson plans
- b) Instructors knowledge
- c) Operator's manual
- d) Plant diagram
- e) Company policies and procedures
- f) Federal and State Mining Code
- g) HazCom Program

EXPERIENCED MINER TRAINING PROGRAM SURFACE - Part 48.26

Training Location: _____

Subject, Est. Time	Objectives	Conducted by	Teaching Methods	Course Material	Evaluation Methods
Introduction to the Work Environment [Section 48.26 (b)(1)] Length: 1/2 hour	Able to explain various mining methods does not replace company's requirement to provide this training. Classroom portion only. Uses a representative mine model. (Note: Additional onsite training required)	MSHA Approved Instructor, Mine Operator	Lecture and discussion	Federal Standards Digital Media	Oral response Discussion Questions and Answers
Mandatory Health and Safety Subjects [Section 48.26 (b)(2)] Length: 1/2 hour - 2 hours	Will be able to tell and demonstrate the health and safety aspects of the task to which miner is assigned. Does not replace mine's requirement to provide task training - classroom portion only.	MSHA Approved Instructor	Lecture Discussion	Federal Standards Digital Media Optional Video MSHA and various training materials	Oral response Discussion Questions and Answers
Authority and responsibility of supervisors and miners' representatives. [Section 48.26 (b)(3)] Length: 1/2 hour	Able to describe the authority of supervisors and the representative of miners. Able to describe the responsibilities of the person in charge at the mine and/or their agents. Will understand company's rules relating to the miner's job and proper procedures for reporting hazards.	MSHA Approved Instructor	Lecture Discussion	Federal Standards Digital Media	Oral response Discussion Questions and Answers
Transportation, Controls and Communication Systems [Section 48.26 (b)(4)] Length: 1/2 hour - 1 hour	Able to explain applicable mobile equipment regulations applying to riding on and in mine conveyance; Able to explain the rules regarding the transportation of personnel and materials. Able to explain traffic controls. Explain the different types of communication system(s), and warning and directional signs. Seasonal/winter conditions.	MSHA Approved Instructor	Lecture and discussion	Federal Standards Digital Media; Company Rules & Policies Fatalgrams MSHA Training Materials	Oral response Discussion Questions and Answers
Escapeways; Emergency Evacuation Fire warning and Fire-fighting [Section 48.26 (b)(5)] Length: 1/2 hour	Be able to explain a mine evacuation system. Name types of fire extinguishers. Will be able to explain fire warning signals and fire fighting procedures. Can explain fire tetrahedron. Will be able to explain escape and emergency evacuation plans in effect at the mine. Explain types of emergencies that can affect evacuation at surface mines (chemical spills, fires in buildings, etc.). Importance of MSDS. (Note: Additional onsite training required)	MSHA Approved Instructor, Mine Operator	Lecture;	Visual Aids; Props; Digital Media; Diagrams	Oral response/discussion Discussion Questions and Answers

EXPERIENCED MINER TRAINING PROGRAM SURFACE - Part 48.26

(continued)

Training Location: _____

Subject, Est. Time	Objectives	Conducted by	Teaching Methods	Course Material	Evaluation Methods
Ground Control: Working in Areas of High Walls, Water Hazards, Pits and Spoil Banks, Illumination and Night Work [Section 48.26 (b)(6)] Length: 1/2 hour	Will explain procedures for inspecting and working high wall areas. List hazards connected with working around highwalls, water hazards, pits and spoil banks. List safe work procedures used during hours of darkness and for illumination of work areas. Dump-point safety. Ground control at surface mines. Proper height, material for berms.	MSHA Approved Instructor	Lecture Discussion	Federal Standards Digital Media Optional Video MSHA and various training materials	Oral response Discussion Questions and Answers
Hazard Recognition [Section 48.26 (b)(7)] Length: 1/2 hour	Review of recognition and avoidance of hazards at the mine. Will explain risk identification and assessment. Can explain hazards present at the mine. Will review causes of accidents and identify means of preventing them. Can explain safe cutting and welding procedures.	MSHA Approved Instructor	Lecture Discussion	Federal Standards Digital Media Optional Video MSHA and various training materials	Oral Response Questions and Answers
Prevention of Accidents [Section 48.26 (b)(8)] Length: 1/2 hour	Will review causes of accidents and identify means of preventing them. Will review and name the key parts of a Job Safety Analysis. Mechanical equipment guards, safe operating procedures of equipment. (Note: Additional onsite training required)	MSHA Approved Instructor, Mine Operator	Lecture Discussion	Federal Standards Digital Media Optional Video MSHA and various training materials	Oral Response Discussion Questions and Answer
Emergency Medical Procedures [Section 48.26 (b)(9)] Length: 1/2 hour	Review of medical procedures used at mines, location of first aid equipment and supplies. (Note: Additional onsite training required)	MSHA Approved Instructor; Mine Operator	Lecture Discussion	Federal Standards Digital Media MSHA and various training materials	Oral Response Discussion
Health [Section 48.26 (b)(10)] Length: 1/2 hour	Review of noise and dust regulations, hazards and control methods, reasons for Industrial Hygiene sampling (noise, dust, DPM, fumes, etc.), hazards associated with silicosis, methods for hearing conservation and proper PPE.				

ANNUAL REFRESHER SURFACE - Part 48.28

8 Hours Minimum

Training Location: _____

Subject, Est. Time	Objectives	Conducted by	Teaching Methods	Course Material	Evaluation Methods
Mandatory Health and Safety Subjects [Section 48.28 (b)(1)] Length: 1/2 hour - 1 hour	Will be able to tell and demonstrate the health and safety aspects of the task to which miner is assigned. Does not replace mine's requirement to provide task training - classroom portion only.	MSHA Approved Instructor	Lecture Discussion	Federal Standards Digital Media Optional Video MSHA and various training materials	Oral response Discussion Questions and Answers
Transportation, Controls and Communication Systems [Section 48.28 (b)(2)] Length: 1/2 hour - 1 hour	Able to explain applicable mobile equipment regulations applying to riding on and in mine conveyance; Able to explain the rules regarding the transportation of personnel and materials. Able to explain traffic controls. Explain the different types of communication system(s), and warning and directional signs. Winter/seasonal weather conditions.	MSHA Approved Instructor	Lecture and discussion	Federal Standards Digital Media; Company Rules & Policies Fatalgrams MSHA Training Materials	Oral response Discussion Questions and Answers
Escapeways; Emergency Evacuation Fire warning and Fire-fighting [Section 48.28 (b)(3)] Length: 1/2 hour - 1 hour	Be able to explain a mine evacuation system. Name types of fire extinguishers. Will be able to explain fire warning signals and fire fighting procedures. Can explain fire tetrahedron. Will be able to explain escape and emergency evacuation plans in effect at the mine. Explain types of emergencies that can affect evacuation at surface mines (chemical spills, fires in buildings, etc.). Importance of MSDS.	MSHA Approved Instructor	Lecture;	Visual Aids; Props; Digital Media; Diagrams	Oral response/discussion Discussion Questions and Answers
Ground Control: Working in Areas of High Walls, Water Hazards, Pits and Spoil Banks, Illumination and Night Work [Section 48.28 (b)(4)] Length: 1/2 hour - 2 hours	Will explain procedures for inspecting and working high wall areas. List hazards connected with working around highwalls, water hazards, pits and spoil banks. List safe work procedures used during hours of darkness and for illumination of work areas. Dump-point safety. Ground control at surface mines. Proper height, material for berms.	MSHA Approved Instructor	Lecture Discussion	Federal Standards Digital Media Optional Video MSHA and various training materials	Oral response Discussion Questions and Answers

ANNUAL REFRESHER SURFACE - Part 48.28

(continued)

Training Location: _____

Subject, Est. Time	Objectives	Conducted by	Teaching Methods	Course Material	Evaluation Methods
First Aid [Section 48.28 (b)(5)] Length: 1/2 hour - 1 hour	Will explain and demonstrate procedures to follow that are acceptable to MSHA. Will be able to demonstrate a general knowledge of first aid in the event of an emergency.	MSHA Approved Instructor	Lecture Discussion	Federal Standards Digital Media Optional Video MSHA and various training materials	Oral Response Discussion Questions and Answers
Electrical Hazards [Section 48.28 (b)(6)] Length: 1/2 hour - 1 hour	Will be able to list electrical hazards found in mines. Can explain lock-out/tag-out procedures. Will explain basics of grounding, safe working procedures around powerlines, effects of electrical shock and precautions in rescuing electrocution victims and need for CPR. Will explain why proper PPE is important.	MSHA Approved Instructor	Lecture Discussion	Federal Standards Digital Media Optional Video MSHA and various training materials	Oral Response Discussion Questions and Answers
Prevention of Accidents [Section 48.28 (b)(7)] Length: 1/2 hour - 1 hour	Will review causes of accidents and identify means of preventing them. Will review and name the key parts of a Job Safety Analysis. Discussion of hazards associated with welding and cutting operations (Note: Additional onsite training required)	MSHA Approved Instructor, Mine Operator	Lecture Discussion	Federal Standards Digital Media Optional Video MSHA and various training materials	Oral Response Discussion Questions and Answer
Health [Section 48.28 (b)(8)] Length: 1/2 hour - 1 hour	Review of noise and dust regulations, hazards and control methods, reasons for Industrial Hygiene sampling (noise, dust, DPM, , fumes, etc.), hazards associated with silicosis, methods for hearing conservation and proper PPE.				
Explosives [Section 48.28 (b)(9)] Length: 1/2 hour - 1 hour	Will be able to explain the hazards related to use, storage, and transportation of explosives. Will be able to explain blasting procedures at mine.	MSHA Approved Instructor	Lecture Discussion	Federal Standards Digital Media Optional Video MSHA and various training	Oral Response Discussion Questions and Answers

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ANNUAL REFRESHER SURFACE - Part 48.28

Training Location: _____

Subject, Est. Time	Objectives	Conducted by	Teaching Methods	Course Material	Evaluation Methods
Self-Rescue and Respiratory Devices [Section 48.28 (b)(10)] Length: 1/2 hour - 1 hour	Will be able to explain the different parts of a respiratory program. Will explain when to use a respirator and what type of hazard.	MSHA Approved Instructor	Lecture Discussion	Federal Standards Digital Media Optional Video MSHA and various training materials	Oral Response Discussion Questions and Answers
Hazardous Communications [30 CFR Part 47] Length: 1/2 hour - 1 hour	Can explain how miners are warned about hazardous chemicals in the workplace and miner's right-to-know about chemicals. Can decipher information on a MSDS. Explain proper storage of chemicals used in the workplace, labeling, company's written HazCom plan. Understands and can explain techniques used for recognition of hazardous conditions and situations. Information about the physical and health hazards of chemicals in the miner's work area. Protective measures a miner can take against these hazards. Contents of the mine's HazCom program.	MSHA Approved Instructor	Lecture Discussion Optional desk top exercises	Federal Standards Digital Media Optional Video MSHA and various training materials Various reference & research manuals for exercises Company Policy and HazCom program MSDS PPE Equipment	Oral Response Feedback from Students Questions and Answers
Slings/Rigging* [Section 48.28 (11)] Length: 1/2 hour - 1 hour	Types of slings and rigging hardware; applications; and capacities. Inspection guidelines and care of slings and rigging hardware. Safety precautions to be observed when working around rigging operations.	MSHA Approved Instructors	Oral Discussion Questions/Answers Demonstrations	Company policy MSHA and various training materials Digital Media / Optional Video Manufacturer's manuals	Oral Response Feedback from Students Questions and Answers

*Included per 01/31/2005 directive by District 9 - Allyn C. Davis, District Manager

HAZARD TRAINING FOR SURFACE MINERS - Part 48.31

Training Location: _____

Subject, Est. Time	Objectives	Conducted by	Teaching Methods	Course Material	Evaluation Methods
Hazard Recognition [Section 48.31 (a)(1)]	Trainee will be able to: Recognize the hazard of moving machinery; point out mine’s restricted areas, train or truck crossing points, welding/cutting; describe general company safety rules; location of first aid facilities/supplies. Understand lock-out/tag-out procedures. Describe the Health and Safety standards, safety rules, and safe working procedures related to their job.	MSHA Approved Instructor	Lecture Discussion	MSHA and various training materials Federal Standards Digital Media	Oral Response Discussion Questions and Answers
Emergency Procedures [Section 48.31 (a)(2)]	Point out emergency exits at the mine site.	MSHA Approved Instructor	Lecture Discussion		
Health and Safety Standards/Safety Rules and Safe Working Procedures [Section 48.31 (a)(3)]	Trainee will be able to: Recognize hazards pertaining to his work assignments. Demonstrate the safe work procedures of the task(s) to which he/she is assigned. Explain mandatory health and safety standards applicable to assigned work.	MSHA Approved Instructor	Lecture Discussion		
Respiratory Devices [Section 48.31 (a)(4)]	Trainee will be able to: Demonstrate proper use of respiratory devices. Tell when to use respirator. Show how to clean and maintain device, if applicable. Explain how new devices can be obtained.	MSHA Approved Instructor	Lecture Discussion		
Miner means, for purposes of §48.31 (Hazard Training) of this subpart B, any person working in a surface mine or surface area of an underground mine excluding person covered under paragraph (a)(1) of this section and subpart C of this part and supervisory personnel subject to MSHA approved state certifications requirements. This definition includes any delivery, office, or scientific worker, or occasional, short-term maintenance or service worker contracted by the operator, and any student engaged in academic projects involving his/her extended presence at the mine.					

Task Training Categories

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