

U.S. Department of Labor Employment and Training Administration Bureau of Apprenticeship and Training Washington, D.C. 20210	<u>Distribution:</u> A-541 Headquarters Staff A-546 All Field Staff A-547 SAC; Lab. Com; (VIA GROUPWISE)	<u>Subject:</u> New Apprenticeable Occupations: Mine Safety & Health Inspector/ Metal- NonMetal (Government) Mine Safety & Health Inspector /Coal (Government) <u>Code:</u> 200
Symbols: DNIP: JMcD		Action: Immediate

PURPOSE: To inform the Office of Apprenticeship Training, Employer and Labor Services (OATELS), Bureau of Apprenticeship and Training (BAT) Staff of new apprenticeable occupations:

Mine Safety & Health Inspector
 Metal-Non-Metal (Government)
 O*NET Code: 17-2151.00
 AIMS Code: 1028
 Training Term: 4 years (8000 hours)
 Type of Training: Time – based

Mine Safety & Health Inspector
 Coal (Government)
 O*NET Code: 17-2151.00
 AIMS Code: 1029
 Training Term: 4 years (8000 hours)
 Type of Training; Time – based

BACKGROUND: Request for apprenticeability consideration for these occupations was submitted by Karen F. Wade, ATR, West Virginia on behalf of the U.S. Department of Labor’s Mine Safety and Health Administration, National Mine Health and Safety Academy, in Beaver, West Virginia. The Mine Inspector enforces and promotes Mine Safety and Health Laws for both metal and non metal mines and mills. We appreciate the effort Ms. Wade made in expanding apprenticeship into this new area.

These occupations will be added to the Bureau’s list of recognized apprenticeable occupations.

The program will be developed as a National Apprenticeship Program through the Division of National Industry Promotion (DNIP). All apprenticeship registrations, cancellations, suspensions, will be done by DNIP. The program sponsor administrative responsibilities will be done through the Mine Safety and Health Administration, National Mine Health and Safety Academy.

For further information contact the BAT National Office.

Note: State Directors, please share this information with our SAC partners where appropriate.

Attachments : A copy of the work process and related instruction outline are attached for your information.

ATTACHMENT A

OCCUPATIONAL SCHEDULE

OF

ON THE JOB TRAINING

ON-THE-JOB-TRAINING OUTLINE
MINE SAFETY & HEALTH INSPECTOR/METAL-NONMETAL (GOVERNMENT)
O*NET CODE: 17-2151.00 AIMS CODE: 1028

DESCRIPTION	APPROXIMATE HOURS
1. Application of requirements of 30 CFR Part 50; mine reporting requirements	80
2. Application of MSHA Inspection Procedures	560
3. Issuing citations and orders upon observing	
4. violations of 30 CFR	400
5. Extracting information and determining	
6. adequacy of mine records	80
7. Application of accident prevention techniques	400
8. Application of accident investigation techniques	220
9. Personal protective equipment	160
10. Fire prevention and control	160
11. Air quality, ventilation, and noise	720
12. Drilling	160
13. Explosives	560
14. Material storage and handling	160
15. Ground control	560
16. Electricity electrical specialists enforce	
17. Complex electrical standards.	400
18. Illumination	80
19. Compressed air and boilers	80
20. Machinery; equipment; and loading, hauling, and dumping operations	1780
21. Travelways and escapeways	560
22. Safety Programs	160
23. Miscellaneous mine safety standards	320
24. Hoisting	<u>400</u>
TOTAL HOURS	8000

Must be able to apply appropriate portions of 30 CFR 56, 57 and 58 in the above task areas

ATTACHMENT A

ON-THE-JOB-TRAINING OUTLINE MINE SAFETY & HEALTH INSPECTOR/COAL (GOVERNMENT) O*NET CODE: 17-2151.00 AIMS CODE: 1029

DESCRIPTION	APPROXIMATE HOURS
1. Application of requirements of 30 CFR Part 50; mine reporting requirements	200
2. Application of safety programs and accident prevention techniques	400
3. Air quality	100
4. Respirable dust	400
5. Noise control	300
6. Inspection preparation	100
7. Explosives and blasting	400
8. Refuse piles and impoundments	200
9. Electricity; Electrical specialists enforce complex electrical standards	500
10. Fire protection	400
11. Loading, haulage, and hoisting equipment	500
12. Roof control	1000
13. Mine maps	100
14. Ventilation	1000
15. Mechanical equipment	200
16. Slope and shaft sinking	200
17. Underground mining operations (conventional, continuous, longwall, etc.)	900
18. Surface mining operations	900
19. Diesel equipment	<u>200</u>
TOTAL HOURS	8000

Must be able to apply appropriate portions of 30 CFR 70 & 71 in the above task areas:

ATTACHMENT B

RELATED TECHNICAL INSTRUCTION

ATTACHMENT B

MINE SAFETY AND HEALTH INSPECTOR/METAL-NONMETAL (GOVT.) RELATED INSTRUCTION

MODULE I (1st Year)

1. Orientation (including library)
2. Ethics
3. Professionalism Training for Mine Inspectors
4. Interpersonal Communication
5. Math Review and Testing
6. Introduction to Laptop Computers, Windows, Wordperfect, Troubleshooting
7. Law, Regulation, Policy (Introduction to computer references)
8. Personal Protection
9. Effective Citation Writing (English)
10. Employee Wellness Program (Overview, Physical Fitness)

MODULE II (1st or 2nd year)

1. Citation and Orders/Note taking
2. Computer Citation Program
3. Training Programs and Requirements (Part 48)
4. Mine Reporting Requirements under 30 CFR Part 50
5. Independent Contractors Enforcement Requirements (Part 45)
6. Inspection Procedures
7. Safety Programs
8. Fire Protection
9. Employee Wellness Program (Physiology and Flexibility)

MODULE III (2nd year)

1. Industrial Hygiene I
2. Gas Detecting Devices
3. Compressed Air
4. Ground Control
5. Material Storage and Handling
6. Employee Wellness Program (Cardiovascular Fitness)

MODULE IV (3rd year)

1. Industrial Hygiene II
2. Loading and Haulage/Material Conveyance Systems
3. Industrial Ventilation
4. Employee Wellness Program (Muscular Fitness, Nutrition)

MODULE V (3rd or 4th year)

1. Mine Electricity
2. Drilling and Blasting
3. Underground Ventilation
4. Repeat Violation Reduction Program
5. Job Safety Analysis

6. Mine Emergencies/Escapeways
7. Employee Wellness Program (Body Composition and Weight Control, Substance Abuse)

MODULE VI (4th year)

1. Hoisting
2. Accident Investigation
3. Introduction to Special Investigations
4. Applied Communications Techniques
5. Simulated Inspection
6. Conference Resolution and Litigation/Courtroom Procedures
7. *Employee Wellness Program (Stress Management, Lifestyle Management)

* Components of Simulated Inspection: 2-Preinspection Conferences; 4-File Review and IH Equipment Preparation; 7- Inspection; 3- Feedback; 3- Closeout Conferences

** The role play in this course would be based on the citations issued during the simulated inspection.

MINESAFETY AND HEALTH INSPECTOR/COAL (GOVERNMENT)

MODULE I (1st year)

1. Orientation (including library)
2. Professionalism Training for Mine Inspectors
3. Interpersonal Communication
4. Ethics
5. Math Review and Testing
6. Introduction to Laptop Computers, Windows, Wordperfect, Troubleshooting
7. Law, Regulation, Policy (Introduction to computer references)
8. Effective Citation Writing (English)
9. Employee Wellness Program (Overview, Physical Fitness)

MODULE II (1st or 2nd year)

1. Training Programs and Requirements (Part 48)
2. Independent Contractors Enforcement Requirements (Part 45)
3. Inspection Procedures
4. Mine Reporting Requirements Under 30 CFR Part 50
5. Fire Protection
6. Citation and Orders/Note taking
7. Computer Citation Program
8. Employee Wellness Program (Physiology and Flexibility)

MODULE III (2nd year)

1. Respirable Dust, Sampling, Calibration and Maintenance Cert.
2. Noise
3. Miscellaneous Health Standards
4. Gas Detecting Devices
5. Surface Installations
6. Surface Loading and Haulage

7. Ground Control
8. Employee Wellness Program (Cardiovascular Fitness)

MODULE IV (2nd or 3rd year)

1. Mine Electricity I
2. Refuse Piles/Impoundments
3. Mine Maps/Ventilation I
4. Blasting and Explosives
5. Miscellaneous Safety Standards
6. Employee Wellness Program (Muscular Fitness)

MODULE V (3rd year)

1. Hoisting
2. Mine Electricity II
3. Electrical Permissibility
4. Diesel Permissibility
5. Mine Wide Monitoring
6. Roof Control I
7. Underground Haulage
8. Employee Wellness Program (Nutrition, Body Composition and Weight Control)

MODULE VI (3rd or 4th year)

1. Repeat Violation Reduction Program
2. Ventilation II
3. Combustible Material and Rock Dusting
4. Roof Control II
5. Longwall
6. Employee Wellness Program (Substance Abuse, Stress Management)

MODULE VII (4th year)

1. Mine Emergencies: Prevention and Operations
2. Introduction to Special Investigations
3. Applied Communications Techniques
4. Simulated Inspection*
5. Conference Resolution and Litigation/Courtroom Procedures**
6. Employee Wellness Program (Lifestyle Management)

* Components of Simulated Inspection: 2-Preinspection Conference; 4-File Review and IH Equipment Preparation; 7-Inspection; 3-Feedback; 3- Closeout Conferences

** The role play in this course would be based on the citations issued during the simulated inspection.