**MSHA 8-Hour Refresher Class: Course Outline and Objectives**

**Course Objective: To ensure miners and other personnel involved in mining operations remain up-to-date on critical safety practices, hazard identification, and regulatory requirements as mandated by MSHA Part 46 or Part 48. This training aims to reduce workplace injuries, illnesses, and fatalities by reinforcing safe work habits and compliance with federal regulations.**

**Target Audience: Experienced miners, supervisors, contractors, safety personnel, and other individuals working in surface or underground mining operations who have previously completed New Miner Training.**

**Course Modules:**

1. **Introduction to MSHA Regulations**
   * **Overview of MSHA Part 46/48 requirements**
   * **Understanding miners' rights and responsibilities**
   * **Updates on changes to mine-specific safety protocols**
2. **Health and Safety Standards**
   * **Identifying common mining hazards (dust, noise, electrical risks)**
   * **Mandatory health standards for respiratory protection and noise control**
   * **Hazard Communication (HazCom) and chemical safety**
3. **Accident Prevention**
   * **Analysis of mining injury and fatality statistics**
   * **Strategies for preventing workplace accidents**
   * **Safe work practices for high-risk tasks**
4. **Emergency Response and Evacuation**
   * **Escape and evacuation procedures**
   * **Fire warning systems and firefighting techniques**
   * **Use of self-rescue devices**
5. **Ground Control and Equipment Safety**
   * **Recognizing unstable ground conditions**
   * **Highwall safety protocols**
   * **Safe operation of mining machinery and powered haulage equipment**
6. **Explosives and Blasting Safety**
   * **Handling and storage of explosives**
   * **Procedures for safe blasting operations**
7. **Site-Specific Hazards**
   * **Identifying site-specific risks (water hazards, spoil banks)**
   * **Developing a site-specific hazard awareness plan**
8. **Practical Exercises**
   * **Hands-on training in equipment inspection**
   * **Simulated emergency scenarios**
   * **Reviewing site-specific safety plans**

**Key Takeaways:**

* **Participants will understand MSHA regulations and their role in maintaining a safe workplace.**
* **They will learn strategies to identify, evaluate, and mitigate common mining hazards.**
* **Participants will gain knowledge of emergency response protocols specific to mining operations.**
* **They will reinforce safe practices for handling equipment, explosives, and hazardous materials.**

**Delivery Methods:**

* **Instructor-led training with interactive discussions**
* **Practical exercises tailored to site-specific conditions**

**Certification:**

* **Successful completion leads to an MSHA Annual Refresher Training Certificate (MSHA Form 5000-23).**

**This course is designed to meet the annual refresher training requirements under 30 CFR § 46.8 or § 48.28, ensuring compliance with federal regulations while promoting a culture of safety in mining operations.**