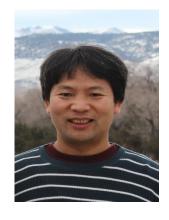
Enhancing Respiratory Protection in Mining

Xiaoliang Wang¹, Judith C. Chow¹, John G. Watson¹, Jocelyn Najera¹, Diane K. Hale², Dahiana Pimentel², James Lage³, and Robert Lage³

¹Desert Research Institute (DRI), Reno, NV
²Best in the West Safety, Las Vegas, NV
³Sonoma Health & Safety Center, Winnemucca, NV



Instructors



Dr. Xiaoliang Wang xiaoliang.wang@dri.edu



Ms. Jocelyn Najera jocnajera7@gmail.com



Ms. Dahiana Pimentel Dpimentel@BIWSafety.com



Dr. Judith C. Chow judy.chow@dri.edu



Mr. James Lage sonomahealthsafety@yahoo.com



Dr. John G. Watson john.watson@dri.edu



Mr. Robert Lage sonomasafety@yahoo.com



Ms. Diane Hale dhale@biwsafety.com



Training Logistics

- Safety exits and bathrooms
- Breaks
- End-of-training quiz
- Training evaluation and feedback
- Post-training follow-up survey









- **Goal:** To assist Nevada miners and contractors in implementing effective respiratory protection practices and preventing unhealthy exposures to airborne hazards.
- Training Components:
- 1) Training for respirator wearers.
- Additional information for Mine Supervisors and Respiratory Protection Program Administrator.
- 3) A customizable respiratory protection program template.



Objectives for Miner/Contractor Training

- Understand the different types of respirators and how to select the appropriate one.
- Learn how to use respirator, don, doff, and perform user seal checks.
- Master procedures for respirator inspection, cleaning, maintenance, and storage.
- Learn about medical evaluations and annual fit testing.
- Understand MSHA requirements and wearer responsibilities.

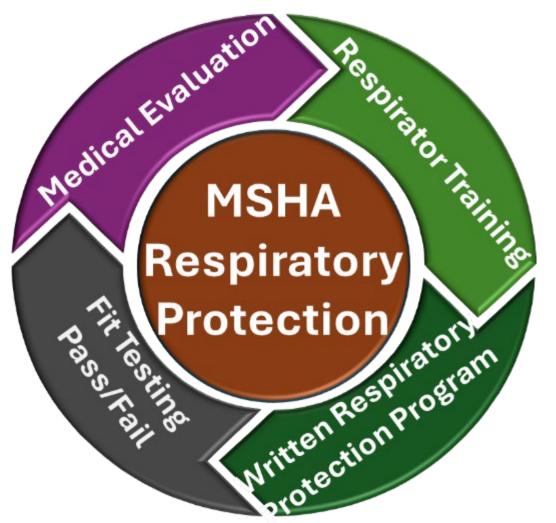


Objectives for Mine Operator and Safety Manager Training

- Understand MSHA regulations for respiratory protection and mine operator responsibilities.
- Learn requirements for a written respiratory protection program.
- Understand Standard Operating Procedures (SOPs) for respirator use.
- Access a free template for written respiratory protection program.



Requirements for Wearing A Respirator



Every mine or contractor that requires miners to wear respiratory protection must complete the following:

- 1. Written Respiratory Protection Program (RPP)
- 2. Training
- 3. Medical Evaluation
- 4. Fit Testing

