

Mining Services - Training Module

Understanding the NFPA 70E Standard Electrical Safety in the Workplace

Course Overview:

An Electrical Safety Code Workshop on the NFPA-70E Standard for Electrical Safety in the Workplace with specific references to the Provincial Mining Regulations and the Canadian Electrical Code.

Course Topics:

- Electrical Hazards in the Workplace
- Arc Flash and Arc Blast
- Safety Related Work Practices
- Safety Related Maintenance Requirements
- Requirements for Special Equipment
- Safety Related Installation Requirements
- Electrical Safety Related Work Boundaries
- Selection of Appropriate Personal Protective Equipment
- Practical Applications of the NFPA-70E Standard

Course Purpose:

- Learn using applicable regulations, codes and established standards for reference with respect to work practices/procedures ensure electrical safety in the workplace.
- Raise awareness of the safety hazards when working on or near electrical equipment in the workplace.
- Focus on the specific electrical hazard of arc flash/blast, their mechanisms and underlying causes.
- Recognize the potential electrical hazard in the workplace and apply work practices and procedures that will protect the worker from severe injury, i.e. appropriate PPE.
- Review practical means of applying the principles of the NFPA-70E Standard from an engineering and design standpoint.