

NFPA Technical Committee on Mining Facilities
NFPA 120 and 122 (F2022) Pre-First Draft Meeting
Teleconference
October 27, 28, and November 5, 2020
MEETING MINUTES

The following are the meeting minutes from the meeting of the Technical Committee on Mining Facilities

ATTENDANCE:

		Day 1	Day 2	Day 3		
Chair	Mario Orozco	Zurich Insurance	yes	yes	yes	
	Staff Liaison	Alexander Ing	National Fire Protection Association	yes	yes	yes
	David Aden	State of Alaska Department of Public Safety	yes	yes	yes	
	Steven Behrens	AXA XL Risk Consulting/ Global Asset Protection Services, LLC	no	yes	no	
	John Campbell	Global Fire Protection Group, LLC	yes	no	no	
	Paolo De Rosa	Marsh Canada	yes	yes	yes	
	L. Harvey Kirk	US Department of Labor	yes	yes	yes	
	James Kohl	Cintas Fire Protection Rep. National Association of Fire Equipment Distributors	yes	yes	yes	
	Scott Matthews	AFEX Fire Suppression Systems	yes	yes	yes	
	Hocine Ait Mohamed	Rio Tinto	yes	yes	yes	
	Erick Mondragon	Swiss Reinsurance Company (Swiss Re)	yes	yes	yes	
	Matthew Paine	FM Global	yes	yes	no	
	Chad Ryczek	Johnson Controls	yes	yes	yes	
	Steven Sheldon	Fisher Engineering, Inc.	yes	yes	yes	
	Robert Taylor	PRB Coal Users Group	yes	yes	yes	
	William Till	Bernie Till & Associates LLC	yes	yes	no	
	Pierre Tousignant	Sherritt Metals	no	no	yes	
	Daniel Wake	Victaulic Company of America Rep. National Fire Sprinkler Association	yes	yes	yes	
	Chris Yoder	Pillar Innovations	yes	no	no	
Liming Yuan	National Institute for Occupational Safety & Health	yes	yes	yes		
Alternates	Tracy Bolling	American Fire Sprinkler Corporation Rep. National Fire Sprinkler Association	yes	yes	yes	
	Jacob Johnsey	Amerex Corporation	yes	yes	yes	
	Christopher Quinn	Marsh Canada	yes	yes	yes	
Guests	Don Vickers	US Department of Labor	yes	yes	yes	
	Rickard Hansen	University of Queensland	yes	yes	no	
	Matt Bujewski	Aon	yes	yes	yes	
	Alden Spencer	Johnson Controls	yes	yes	yes	

MINUTES:

- A. The Chair called the meeting order at ~1:00pm on Tuesday October 27th, 2020
- B. Attendees introduced themselves
- C. Previous meeting minutes August 1-2, 2018 were approved as submitted
- D. NFPA staff presented information regarding the Regulations, Guide for Conduct, Rules of Order, and Revision Cycle Schedule
- E. NFPA 120 and NFPA 122 Pre-First Draft:
 - a. The following Task Groups Provided Task Group Reports:
 - i. Fire protection of Conveyors and Evaluation of existing suppression systems.
 1. Members:
 - a. Matthew Bujewski (chair),
 - b. Steve Sheldon
 - c. Chris Yoder
 - d. Robert Taylor
 - e. Hocine Ait Mohamed
 2. The Task Group will continue to draft requirements for submittal to the committee for the Public Input closing.
 - ii. Concentrator Safety
 1. Members:
 - a. Matthew Paine (chair)
 - b. Erick Mondragon
 - c. Steve Behrens
 - d. Larry Moore
 - e. Hocine Ait Mohamed
 2. This Task Group will work to draft requirements submittal to the committee for the Public Input closing.
 - b. The committed discussed the agenda items and created several task groups
 - i. Mobile Equipment Fire Suppression and Safety
 1. The task group will look at creating requirements for mobile equipment, fire suppression systems on that equipment (including hose) and concerns on new ESS on Mobile equipment. The task group will look at hydraulic hoses on equipment as well. Chapter 4 and 5 of NFPA 120 and Chapter 12 of NFPA 122.
 - a. Members
 - i. Chad Ryczek (chair)
 - ii. Scott Matthews
 - iii. Bob Taylor
 - iv. Steven Sheldon
 - v. Rickard Hansen
 - vi. Alden Spencer
 - vii. James Kohl

2. Autonomous Equipment
 - a. The task group will look at creating requirements for autonomous equipment in regards to fire safety
 - b. Global Mining Guidelines Group has a Guideline for Applying Functional Safety for Autonomous Systems in Mining (<https://gmggroup.org/guidelines/>)
 - c. Members
 - i. Paolo DeRosa (chair)
 - ii. Rickard Hansen
 - iii. Chad Ryczek
 - iv. Alden Spencer
 - v. Scott Matthews
 - vi. Christopher Quinn
3. Emergency Preparedness Response Plan
 - a. The task group will look at creating requirements for creating emergency preparedness response plans for NFPA 122.
 - i. Pierre Tousignant
 - ii. Bob Taylor
 - iii. Rickard Hansen
- ii. The following items were also discussed from the agenda with the following notes:
 1. Fire suppression materials (wet chem vs. dry chem)
 - a. NFPA 17A now has requirements for mobile fire suppression for wet chem systems
 - b. Chad Ryczek or Steve Sheldon to write a public input to reference NFPA 17A in NFPA 120/122.
 2. Ventilation requirements in NFPA 120/122
 - a. Matt Bujewski and Don Vickers to write a public input to add ventilation requirements for both standards
 3. Case Studies, Loss Histories, and Fire Data
 - a. Liming Yuan will update the fire data in NFPA 120 A.1.1.1
 - b. Portland Cement Association has materials coal fire kiln safety and incidents and the committee will do research determine if the material can be incorporated into the appendix
 4. Grades of Coal
 - a. Bob Taylor is going to provide a public input to provide a chart identifying the 4 types of coal and provide general characteristic knowledge of coal for annex content under the scope of 1.1.1
- iii. The following items were discussed and will be reviewed for the next cycle
 1. Loading of mine products for shipping and transportation purposes
 2. NIOSH referenced specifications
 3. Dated terminology and specifications

F. Next Meeting

- a. Future meeting tentatively scheduled for March 23, March 25, March 29, March 31 at 1:00 pm to 4:00 pm Eastern.

G. The Chair adjourned the meeting at ~3:06 pm on Thursday November 5th, 2020

Respectfully submitted,

Alex Ing, NFPA Staff Liaison