



**National Fire Protection Association**

1 Batterymarch Park, Quincy, MA 02169-7471  
Phone: 617-770-3000 • Fax: 617-770-0700 • www.nfpa.org

**TECHNICAL COMMITTEE ON MINING FACILITIES  
NFPA 120 and NFPA 122 Pre-First Draft Meeting  
Agenda October 27<sup>th</sup>, 28<sup>th</sup> and November 5<sup>th</sup>, 2020  
1:00pm to 4:00 pm  
Teleconference**

1. Welcome. Mario Orozco, Chair
2. Introductions and Update of Committee Roster. (Attachment A)
3. Approval of Meeting Minutes from March 19-20, 2019. (Attachment B)
4. Staff updates. Alex Ing, NFPA Staff
  - a) Committee membership update.
  - b) Fall 2022 revision cycle schedule. (Attachment C)
  - c) Overview of NFPA Process.
5. Task Group Reports.
  - a) Fire protection of conveyors and evaluation of existing suppression systems. Matthew Bujewski (chair), Steve Sheldon, Chris Yoder, Robert Taylor
  - b) Concentrator safety. Matthew Paine (chair), Erick Mondragon, Steve Behrens, Larry Moore
6. Other Topics for Consideration.
  - Battery Fire Suppression for Mobile Equipment – NFPA 120/122
  - Fire suppression systems as a whole
  - Fire suppression materials- wet chem vs dry chem systems
  - Autonomous Equipment – NFPA 120/122
  - Fire Suppression on mining equipment and hose quality/distribution hoses – NFPA 120/122

If time permits, the committee will review the rest of the topics in this prioritized order:

- Ventilation - NFPA 120/122
- Hosing on Vehicles
- Case studies involving losses at plants/processing facilities and dollar figures involved with losses
- NFPA 122- Emergency Response plans

- Fire suppression/sprinkler systems/belt quality, section 14 of NFPA 120/122
- Update of references
- NIOSH specifications referenced - NIOSH 120 and 122
- NFPA 120 A.1.1.1 update fire data
- New annex - possible case study on mining and mine processing incidents
- Concentrator safety (TG Matt Paine)
- Belt Drive Sprinklers- 120
- Loading of mine products for shipping/transportation purposes
- Dated terminology/specifications throughout NFPA 120 and 122
- New member education - possible info submitted via another venue?
- Concentrator fires/fire history
- NFPA 122- Use of concentrators/safety parameters
- Grades of Coal
- Outreach on a global platform - possible info submitted via another avenue?
- Plastics usage in mine processing operations

7. New Business.

8. Next Meeting.

9. Adjourn.

AGENDA  
ATTACHMENT A

# Address List No Phone

09/29/2020

Alex Ing

MIN-AAA

## Mining Facilities

<b>Mario G. Orozco</b> <b>Chair</b> Zurich Insurance 1721 Poplar Place Schaumburg, IL 60172	<b>I</b> 1/10/2002 <b>MIN-AAA</b>	<b>David G. Aden</b> <b>Principal</b> State of Alaska Department of Public Safety Division of Fire & Life Safety 1979 Peger Road Fairbanks, AK 99709	<b>E</b> 3/1/2011 <b>MIN-AAA</b>
<b>Steven M. Behrens</b> <b>Principal</b> AXA XL Risk Consulting/ Global Asset Protection Services, LLC 100 Constitution Plaza Hartford, CT 06103	<b>I</b> 11/2/2006 <b>MIN-AAA</b>	<b>Michael Breneman</b> <b>Principal</b> Peabody Energy 701 Market Street St Louis, MO 63101	<b>U</b> 08/17/2017 <b>MIN-AAA</b>
<b>John D. Campbell</b> <b>Principal</b> Global Fire Protection Group, LLC 732 Spring Crest Court Fenton, MO 63026-3920 <b>Hidrosistemas Baja</b>	<b>M</b> 04/04/2017 <b>MIN-AAA</b>	<b>Joseph J. Chrobak, Sr.</b> <b>Principal</b> William Penn Fire Company 23 Blue Ridge Drive Levittown, PA 19057	<b>E</b> 11/30/2016 <b>MIN-AAA</b>
<b>Jack Douglas Conaway</b> <b>Principal</b> Arch Coal, Inc. One CityPlace Drive, Suite 300 St. Louis, MO 63141 <b>Alternate: Eric Metheny</b>	<b>U</b> 3/4/2009 <b>MIN-AAA</b>	<b>Brian Corcoran</b> <b>Principal</b> Wolverine Fire Protection 2910 S Highland Drive, Suite G Las Vegas, NV 89109	<b>IM</b> 04/08/2015 <b>MIN-AAA</b>
<b>Paolo De Rosa</b> <b>Principal</b> Marsh Canada 120 Bremner Boulevard Suite 800 Toronto, ON M5S0A8 Canada <b>Alternate: Christopher Quinn</b>	<b>I</b> 08/17/2018 <b>MIN-AAA</b>	<b>Jason Wallace Jeffe</b> <b>Principal</b> Murray Energy Corporation 543 Potomac Drive Washington, PA 15301	<b>U</b> 08/17/2018 <b>MIN-AAA</b>
<b>L. Harvey Kirk, III</b> <b>Principal</b> US Department of Labor Mine Safety & Health Administration 1100 Wilson Blvd., Room 2446 Arlington, VA 22209-3939 <b>Alternate: Charles Barton</b>	<b>E</b> 3/15/2007 <b>MIN-AAA</b>	<b>James M. Kohl</b> <b>Principal</b> Cintas Fire Protection 621B Industrial Park Road Carbondale, IL 62901 <b>National Association of Fire Equipment Distributors</b>	<b>IM</b> 10/28/2008 <b>MIN-AAA</b>
<b>Scott Matthews</b> <b>Principal</b> AFEX Fire Suppression Systems 5808 Lease Lane Raleigh, NC 27617	<b>M</b> 04/03/2019 <b>MIN-AAA</b>		

# Address List No Phone

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Alex Ing

MIN-AAA

## Mining Facilities

<b>Hocine Ait Mohamed</b> <b>Principal</b> Rio Tinto Principal Advisor Process Safety R-210 Floor 2 C Wing Star B des Canadiens de Montréal Quebec, QC H3B 0E3 Canada	<b>U</b> 04/02/2020 <b>MIN-AAA</b>	<b>Erick Mondragon</b> <b>Principal</b> Swiss Reinsurance Company (Swiss Re) 1450 Brickell Avenue Suite 1750 Miami, FL 33131	<b>I</b> 08/03/2016 <b>MIN-AAA</b>
<b>Matthew Paine</b> <b>Principal</b> FM Global 1151 Boston-Providence Trnpg Norwood, MA 02062-9102 <b>Alternate: Larry J. Moore</b>	<b>I</b> 04/11/2018 <b>MIN-AAA</b>	<b>Kendall A. Pate</b> <b>Principal</b> Amerex Corporation 7595 Gadsden Highway PO Box 81 Trussville, AL 35173-0081 <b>Alternate: Jacob Johnsey</b>	<b>M</b> 8/9/2011 <b>MIN-AAA</b>
<b>Chad L Ryczek</b> <b>Principal</b> Johnson Controls 2700 Industrial Parkway South Marinette, WI 54143 <b>Alternate: Dennis M. Phillips</b>	<b>M</b> 12/07/2018 <b>MIN-AAA</b>	<b>Michael Schmeida</b> <b>Principal</b> Gypsum Association 3730 Sharon-Copley Road Medina, OH 44256-9778 <b>Alternate: Timothy Earl</b>	<b>U</b> 12/08/2015 <b>MIN-AAA</b>
<b>Steven A. Sheldon</b> <b>Principal</b> Fisher Engineering, Inc. 3707 East Southern Avenue Mesa, AZ 85206	<b>SE</b> 08/09/2012 <b>MIN-AAA</b>	<b>Robert D. Taylor</b> <b>Principal</b> PRB Coal Users Group 4294 Martha Court Newburgh, IN 47630-0002	<b>U</b> 12/06/2017 <b>MIN-AAA</b>
<b>Spencer Thompson</b> <b>Principal</b> North American Coal 11700 Nw 101 Road, Suite 19 Medley, FL 33178	<b>U</b> 08/17/2017 <b>MIN-AAA</b>	<b>William B. Till, Jr.</b> <b>Principal</b> Bernie Till & Associates LLC 197 Till Hill Road Orangeburg, SC 29115-8744	<b>SE</b> 12/08/2015 <b>MIN-AAA</b>
<b>Pierre M. Tousignant</b> <b>Principal</b> Sherritt Metals 1768 Chemin Des Patriotes Sainte-Victoire, QC J0G 1T0 Canada	<b>U</b> 04/11/2018 <b>MIN-AAA</b>	<b>Daniel P. Wake</b> <b>Principal</b> Victaulic Company of America 4901 Kesslersville Road PO Box 31 Easton, PA 18040-6714 <b>National Fire Sprinkler Association</b> <b>Alternate: Tracy Bollig</b>	<b>M</b> 08/11/2014 <b>MIN-AAA</b>
<b>Chris Yoder</b> <b>Principal</b> Pillar Innovations 32 Corporate Drive Grantsville, MD 21536-1259	<b>M</b> 03/07/2013 <b>MIN-AAA</b>	<b>Liming Yuan</b> <b>Principal</b> National Institute for Occupational Safety & Health 626 Cochrans Mill Road Pittsburgh, PA 15236 <b>National Institute for Occupational Safety &amp; Health</b>	<b>RT</b> 08/03/2016 <b>MIN-AAA</b>

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## Mining Facilities

<b>Charles Barton</b>	<b>E</b> 04/04/2017	<b>Tracy Bollig</b>	<b>M</b> 08/17/2018
<b>Alternate</b> US Department of Labor Mine Safety & Health Administration 201 S. 12th Street Suite 401 Arlington, VA 22202 <b>Principal: L. Harvey Kirk, III</b>	<b>MIN-AAA</b>	<b>Alternate</b> American Fire Sprinkler Corporation 6750 West 47th Terrace Mission, KS 66203 <b>National Fire Sprinkler Association</b> <b>Principal: Daniel P. Wake</b>	<b>MIN-AAA</b>
<b>Timothy Earl</b>	<b>U</b> 08/17/2017	<b>Jacob Johnsey</b>	<b>M</b> 12/06/2019
<b>Alternate</b> GBH International 6862 Shallowford Way Portage, MI 49024 <b>Gypsum Association</b> <b>Principal: Michael Schmeida</b>	<b>MIN-AAA</b>	<b>Alternate</b> Amerex Corporation 7595 Gadsden Highway Trussville, AL 35173 <b>Principal: Kendall A. Pate</b>	<b>MIN-AAA</b>
<b>Eric Metheny</b>	<b>U</b> 10/23/2013	<b>Larry J. Moore</b>	<b>I</b> 1/1/1988
<b>Alternate</b> Arch Coal Sentinel Complex 21550 Barbour County Highway Philippi, WV 26416 <b>Principal: Jack Douglas Conaway</b>	<b>MIN-AAA</b>	<b>Alternate</b> FM Global 11628 Ranch Elsie Road Golden, CO 80403 <b>Principal: Matthew Paine</b>	<b>MIN-AAA</b>
<b>Dennis M. Phillips</b>	<b>M</b> 10/18/2011	<b>Christopher Quinn</b>	<b>I</b> 08/11/2020
<b>Alternate</b> Johnson Controls 1700 Valleyview Drive Mount Juliet, TN 37122 <b>Principal: Chad L Ryczek</b>	<b>MIN-AAA</b>	<b>Alternate</b> Marsh Canada 6454 Clark Montreal, QC H2S 3E6 Canada <b>Principal: Paolo De Rosa</b>	<b>MIN-AAA</b>
<b>Alex Ing</b>	7/2/2020		
<b>Staff Liaison</b> National Fire Protection Association One Batterymarch Park Quincy, MA 02169	<b>MIN-AAA</b>		

**AGENDA**  
**ATTACHMENT B**



## **NATIONAL FIRE PROTECTION ASSOCIATION**

The leading information and knowledge resource on fire, electrical and related hazards

**Technical Committee on Mining Facilities  
NFPA 120/122  
Second Draft Meeting Minutes (F2019)  
Courtyard San Antonio Riverwalk  
207 N. St. Mary's Street  
San Antonio, TX  
March 19-20, 2019**

Attendance

Chair

Mario Orozco, Zurich Insurance

Principals

Steven Behrens, Global Asset Protection Services, LLC

Matthew Bujewski, MJB Risk Consulting

John Campbell, Hidrosistemas Baja

Paolo De Rosa, Marsh Canada

Jason Jeffe, Murray Energy Corporation

James Kohl, National Association of Fire Equipment

Erick Mondragon, Swiss Reinsurance Company

Matthew Paine, FM Global

Chad Ryczek, Johnson Controls

Steven Sheldon, Fisher Engineering, Inc.

Robert Taylor, PRB Coal Users' Group

William "Bernie" Till, Bernie Till and Associates, LLC

Pierre Tousignant, Sherritt Metals

Chris Yoder, Pillar Innovations

Liming Yuan, National Institute for Occupational Safety and Health

Voting Alternate

Kendall Pate, Amerex Corporation

Alternates

Tracy Bollig, American Fire Sprinkler Corporation

Eric Metheny, Arch Coal

Guests

Jacob Johnsey, Amerex Corporation

Scott Matthews, AFEX

Tom Peck, Peabody Energy





# NATIONAL FIRE PROTECTION ASSOCIATION

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## NFPA

Debra Gursha, Staff Liaison, National Fire Protection Association

### AGENDA

1. **Call to Order.** Mario Orozco, Chair, called the meeting to order at 8:00 AM, Central Time, on March 19, 2019.
2. **Introductions.** Mario Orozco made the introductions.
3. **Approval of Meeting Minutes.** NFPA 120/122 1<sup>st</sup> draft meeting minutes dated March 20-21, 2018 were approved as written.
4. **Staff Update.** Debra Gursha, the new staff liaison for NFPA 120/122, provided an overview of the NFPA process and the F2019 revision cycle schedule.
5. **Task Group Reports.** The technical committee reviewed the work completed by the three task groups established at the first draft meeting. These were as follows:

**Spirals**  
**NFPA 30 references**  
**Ignition sources**

These task groups were thanked for their work and disbanded by the chair.

6. **Review of Committee Inputs and Creation of Second Revisions.**

The technical committee reviewed five committee inputs that were created for NFPA 120 and two committee inputs that were created for NFPA 122. The technical committee created second revisions as appropriate.

Information on these motions will be available in the second draft report.

There were no public comments submitted for NFPA 120 or 122.

7. **New Business.**  
Next Revision Cycle-The technical committee expressed that both NFPA 120 and 122 needed updating to reflect current processing methods for the mining industry. The technical committee requested that NFPA 120 and 122 be placed on a three year revision cycle in order



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to revise and expand language to both standards. D. Gursha offered to draft a memo and forward it to the Standards Administration with this request.

Pre-First Draft Meeting-In order to conduct a thorough evaluation of the language in NFPA 120 and 122, the technical committee expressed that a pre-first draft meeting was needed for the next revision cycle. Possible locations included Montreal, Phoenix or Denver.

Task Groups-During the next revision cycle, the technical committee recommended that the following task groups were needed:

*Fire protection of conveyors and evaluation of existing suppression systems.* Purpose: Investigate current language in NFPA 120 and 122 to determine if enhanced fire suppression is warranted. The committee members offering to assist are Matt Bujewski, Chair; Steve Sheldon; Chris Yoder; and Robert Taylor.

*Concentrator Safety*-Purpose: Investigate language in NFPA 122 to determine if additional safety practices are warranted in order to minimize loss potential. The committee members offering to assist are Matt Paine, Chair; Erick Mondragon; and Steve Behrens.

8. **Other Business.** The technical committee requested the contact information for the Fire Protection Research Foundation. The technical committee is planning to put a request in with the Fire Protection Research Foundation to study appropriate fire suppression for conveyor belts involved with mining operations. D. Gursha will follow up with this request.
9. **Adjournment.** The meeting was adjourned at 11:45 AM on March 20, 2019.

**AGENDA**  
**ATTACHMENT C**

# 2022 FALL REVISION CYCLE

\* Public Input Closing Dates may vary according to standards and schedules for Revision Cycles may change. Please check the NFPA Website for the most up-to-date information on Public Input Closing Dates and schedules at [www.nfpa.org/document#](http://www.nfpa.org/document#) (i.e. [www.nfpa.org/101](http://www.nfpa.org/101)) and click on Next Edition tab.

Process Stage	Process Step	Dates for TC	Dates for TC with CC
Public Input Stage (First Draft)	<b>Public Input Closing Date</b>	1/6/2021	1/6/2021
	Final date for TC First Draft Meeting	6/16/2021	3/17/2021
	Posting of First Draft and TC Ballot	9/8/2021	6/9/2021
	Final date for Receipt of TC First Draft ballot	9/29/2021	6/30/2021
	Final date for Receipt of TC First Draft ballot - recirc	10/13/2021	7/7/2021
	Posting of First Draft for CC Meeting		7/21/2021
	Final date for CC First Draft Meeting		9/1/2021
	Posting of First Draft and CC Ballot		9/22/2021
	Final date for Receipt of CC First Draft ballot		10/13/2021
	Final date for Receipt of CC First Draft ballot - recirc		10/20/2021
	<b>Post First Draft Report</b> for Public Comment	10/27/2021	10/27/2021
Comment Stage (Second Draft)	<b>Public Comment closing date</b>	1/5/2022	1/5/2022
	Notice published on Consent Standards (Standards that receive No Comments). Note: Date varies and determined via TC ballot.		
	Appeal Closing Date for Consent Standards (Standards That Received No Comments)		
	Final date for TC Second Draft Meeting	6/29/2022	3/30/2022
	Posting of Second Draft and TC Ballot	8/24/2022	5/11/2022
	Final date for Receipt of TC Second Draft Ballot	9/14/2022	6/1/2022
	Final date for receipt of TC Second Draft ballot - recirc	9/21/2022	6/8/2022
	Posting of Second Draft for CC Mtg		6/22/2022
	Final date for CC Second Draft Meeting		8/3/2022
	Posting of Second Draft for CC Ballot		8/24/2022
	Final date for Receipt of CC Second Draft ballot		9/14/2022
	Final date for Receipt of CC Second Draft ballot - recirc		9/21/2022
	<b>Post Second Draft Report</b> for NITMAM Review	10/5/2022	10/5/2022
Tech Session Preparation (& Issuance)	<b>Notice of Intent to Make a Motion (NITMAM) Closing Date</b>	11/2/2022	11/2/2022
	<b>Posting of Certified Amending Motions (CAMs) and Consent Standards</b>	12/14/2022	12/14/2022
	Appeal Closing Date for Consent Standards	12/29/2022	12/29/2022
	SC Issuance Date for Consent Standards	1/9/2023	1/9/2023
Tech Session	Association Meeting for Standards with CAMs	June 2023	June 2023
Appeals and Issuance	Appeal Closing Date for Standards with CAMs		
	Council Issuance Date for Standards with CAMs*		