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## Pandemic Task Force – MPE WG Plumbing Subgroup May 17, 2021 Webex Meeting Minutes

### Subgroup Members

- Paul Taft - Chair
- Rich Anderson – Vice Chair
- Austin Perry
- Esber Andiroglu
- Matt Sigler
- Rebecca Fugitt
- Robert Maglievaz
- Shawn Smitter
- Tara Henderson
- Tim Washington

### Other Working Group Members

- |  |   |
|--|---|
| <input type="checkbox"/> Alastair Chapman            | <input checked="" type="checkbox"/> John Steele     |
| <input type="checkbox"/> Bryan Holland               | <input type="checkbox"/> Jon Crittenden             |
| <input checked="" type="checkbox"/> Chris Jensen     | <input type="checkbox"/> Jonathan Flannery          |
| <input checked="" type="checkbox"/> Dan Buuck        | <input checked="" type="checkbox"/> Jonathan Wilson |
| <input type="checkbox"/> Eli Howard                  | <input type="checkbox"/> Matthew Peacock            |
| <input type="checkbox"/> Geoff Hanmer                | <input type="checkbox"/> Nadja Tremblay             |
| <input checked="" type="checkbox"/> Hassan Younes    | <input checked="" type="checkbox"/> Niki Lemin      |
| <input type="checkbox"/> Jason Root                  | <input checked="" type="checkbox"/> Stephen Ericson |
| <input checked="" type="checkbox"/> Jatinder Khokhar | <input type="checkbox"/> Ted Williams               |
| <input checked="" type="checkbox"/> John Catlett     | <input checked="" type="checkbox"/> Tom Peterson    |

### ICC Staff

Mark Roberts, ICC Staff Liaison  
 Jim Cika, ICC Staff Liaison

Shawn Strausbaugh, ICC Staff Liaison  
 Gary Gauthier, ICC Staff Liaison

### Minutes for the PTF – MPE WG Plumbing Subgroup Webex Meeting held May 17, 2021 9:00 a.m. EDT

#### 1. Welcome/Introduction

#### 2. Roll Call

#### 3. Research Needs/Assignments

- Research the effects of pandemics on plumbing system designs in the built environment
  - Stephen E. -Unoccupied buildings during remote work and concerns with stagnation of water supply systems articles. Flushing systems Touchless technology is being removed as bacteria is building up within the fixture itself. Maintenance is a large issue. Restroom testing of COVID is higher within these areas and not as concentrated in other room areas. Will supply paper on this subject.
  - Esber A. – detection and tracing of transmission of current and future pandemics. Integrating sensors in the built environment and possibly the WWTP. Monitor water usage/consumption and collect data.
  - Jonathan Flannery – best practice guideline first. Flushing may be beneficial to some facilities but others such as healthcare may not need such. Currently the pandemic but what is next? Big push to increase humidity due to current pandemic, but other issues may arise such as increasing spores and fungi due to greater humidity. Temporary facilities – plumbing was a challenge such as screening areas. Hand sanitizers used but this may have not been the best method vs lavatory handwashing. Fixture counts and availability of plumbing fixtures may have been lacking.

- Jatinder – touchless technology, waterless urinals. Best practice guidelines and maintenance aspects of the code. IPMC/housing habitation codes needs to be updated in areas. MOU's being developed to use less fuel gas systems in structures. Some building departments don't deal with plumbing and County health departments are responsible. What is the best interaction?
- Rich Anderson – need to look further at the effects of the plumbing system. College town and dorms effects, minimizing spread when open, testing sanitary system for COVID. Many different water purveyors in localities. Home rules vs. statewide interworking. Restrooms and drinking fountains being closed to the public issue. Outdoor dining to assist restaurant operations and minimum plumbing fixtures vs. occupant load.
- Paul Taft – diminished usage/capacity of the plumbing system and what affect. Potable water system utility sizing effect on private water supply systems. Overall system sizing has been typically oversized vs. flow rates of given fixtures.
- Niki L. – Legionella and possible effects from shutdown. Surveillance of wastewater new tool. Remote operations workgroup discussing similar topics.
- Overall Topics
  - Temporary facilities – outdoor dining, healthcare related facilities
- Research & review current codes and standards
  - No discussion
- Research & review code change proposals under consideration for future codes & standards
  - Noted various code changes proposed affecting plumbing systems related to the Pandemic subject.
- Research & review current published information related to the effects of pandemics on the built environment
  - General note to the subgroup members to forward any information to the ICC Staff for compilation noting any copyright issues.

#### 4. Deliverables

- Prepare code change proposals
  - Third priority per the subgroup members
- Prepare various publications and white papers on significant topics
  - Second priority per the subgroup members
- Develop guidelines and best practices to address the design and layout of new and existing buildings and temporary structures.
  - Priority per the subgroup members.
- Develop a comprehensive package of public information materials
  - Overarching with the first and second priorities.

#### 5. Other business

- Discussion of information sharing method. Staff noted that the main PTF website is the primary however other avenues are being entertained.
- Possible work with healthcare committee and sharing of information. Jonathan Flannery noted this was his role as main PTF member

#### 6. Adjourned at 10:02am EDT