

# Minutes

TC 1.8 Mechanical Insulation  
Monday, June 25, 2012, 4:15 pm-6:30 pm  
San Antonio Convention Center, Room 1B  
(accepted unanimously on January 28, 2013 in Dallas)

## 1. Introductions and Sign In

Voting Member - Gordon Hart, Artek Engineering, Chairman  
Voting Member - Jim Young, ITW Insulation, acting Secretary  
Voting Member - Vic Penar, Perma Pipe, Section Head  
Voting Member - Charles Cottrell, NAIMA, Vice Chairman  
Voting Member - Pat Noonan, Knauf Insulation  
Voting Member - Alan Neely, Pittsburgh Corning  
Voting Member - Andre Desjarlais, Oak Ridge Nat. Lab., Research SC Chairman  
Voting Member - Mike Resetar, Armacell  
Dave Yarbrough, R&D Services - Visitor  
Ricardo Gamboa, IIG – Corresponding Member  
Michael King, Arcom – Corresponding Member  
Larry Spielvogel - Visitor  
Mark Smith, DMI - Visitor

Quorum established (8 of 11 voting members in attendance > 50%)

## 2. Membership (G. Hart)

Rolling off at the conclusion of this meeting - Cottrell, Penar, Resetar  
Rolling On – Not discussed

## 3. Approval of Minutes from Chicago (G. Hart)

(Neely/Penar) – affirmed by voice vote unanimously

## 4. Liaison Reports

Section 1 liaison report by Penar

Research liaison report by Giesler

Short of RTAR's so will be short of projects soon

No backlog of projects

Money is available right now for research projects

Very close scrutiny of RTAR's and Work Statements

Talk to any other TC's which are appropriate prior to submitting RTARS and WS

60 active projects

Aug 15 is deadline for RTAR and WS for Sept RAC Conf call

There is a new research manual that Art will send to Andre

Get Art involved early and often with all RTARS and WS

RP1550 was extended to Jan, 2013 but it needs a quarterly report

RP1646 is finalized and Jim Young is the PMS committee chair

## 5. ASHRAE Business and Announcements (G. Hart)

Given by Hart

Next meetings – Dallas in Jan, 2013, Denver in June, 2013

6. Research (A. Desjarlais)

- Review Status of RP 1356, “Methodology for Below Ambient Testing”  
Project is complete and report is written. This is done and closed out.  
Remove from future agendas
  
- Review Status of RP-1550, “Thermal Performance of Insulating Coatings on Piping and Ductwork”  
Dave Yarbrough gave an update – They have all the coatings needed. One set of pipes is coated. A 2<sup>nd</sup> set is in Houston about to get coated. 3<sup>rd</sup> coating is available in their lab for application. Apparatus is being finalized. They have developed a correlation between their flat and cylindrical thermal conductivity devices. He anticipates a 2 sigma uncertainty of 8-10%. He will also provide touch temperature data although it was not in the scope of the work statement. Coatings maximum temperature exposure is about 400°F.
  
- Status of URP 1646, “Measurement of the Thermal Performance of Pipe Insulation at Below-Ambient Conditions to Supplement Table 7 in HOF 23.8”  
Jim Young is the PMS Chair. Other members are Petty, Noonan, Desjarlais, and Hart. First PMS meeting is planned for late July with the goal to provide Cremaschi with a list of materials and systems to be tested by August 1. Cremaschi wants to lower the pipe temperature to <40 but PMS was concerned with avoiding freezing and straying too far from the typical 40°F temp of chilled water. Perhaps a low of 37-38°F would be acceptable. He will use an ambient temp of 95°F. He wants to use 2” of insulation but that will be a PMS decision.
  
- Review draft RTAR: “Testing the Performance of Vapor Retarder Systems Used with Mechanical Insulation in Below-ambient Applications”; vote to approve  
Petty/Young/Hart are the champions of these.  
TC did NOT accept the last couple of changes proposed by Petty and reverted to the previous version so vapor retarders and insulation are both in the scope to be tested.  
Vote by TC to approve and submit this RTAR  
(Desjarlais/Hart) – 8 – 0 – 0  
Gordon Hart to determine what ASTM C168 uses for the name of a vapor retarder. Is it “vapor retarder” or “water vapor retarder”?

7. Handbook Subcommittee Report (D. Peil)

- Review proposed revisions to Chapter 23 of the 2013 Handbook of Fundamentals; vote to approve  
Motion to approve 6-24-12 version from Handbook subcommittee  
(Young/Noonan) – 5 – 1 – 0 Motion passes (note that two voting members either didn’t vote or had left the room; however, we still had a quorum of > 50% of the voting members present).

8. Program (C. Petty)

Three ideas for papers – Yarbrough on RP1550, Changes to Chap 23, Hart on case study of a commercial building chilled water system failure. We want to do these as a conference paper in June, 2013 in Denver.

9. Webmaster Report (G. Hart)

Website is up to date. The TC thanks Sharon Hart for maintaining this site.

10. Old Business

None

11. New Business

None

12. Adjourn

Motion to adjourn (Young/Neely) Affirmed by voice vote.

Jim Young, Acting Secretary

January 9, 2013