

Foundation for Cross-Connection Control and Hydraulic  
Research  
University of Southern California  
*Manual of Cross-Connection Control*  
10<sup>th</sup> Edition

**Manual Review Committee**

13 January 1998

Friendship Auditorium  
3201 Riverside Drive  
LA, CA 90027

*Meeting Synopsis*

Dr. JJ Lee, Director, welcomed all members of Manual Review Committee (MRC) and guests. Committee roster distributed, corrections requested.

An announcement was made regarding the information contained in the 3 November 1997 Federal Register regarding cross-connection control programs in the IESWTR.. Copies of the Foundation's Notice 98-001 were distributed. Staff encouraged all those present to voice their concerns to the EPA regarding this issue.

Minutes of 23 September 1997 meeting were reviewed and approved.

This open meeting had been scheduled as an opportunity for all interested parties to participate with the review of the items previously submitted to the MRC regarding Section 10 of the Manual.

Discussion took place starting with Backflow Prevention Manufacturer's Association (BPMA) Item #13 -*BPMA letter to MRC dated 16 May 97*:

**Item #13 - Bronze Material**

At previous meetings there have been discussions regarding the materials used in devices and components used in water distribution systems. The BPMA still endorses its original proposal to allow bronze alloys to have a minimum of 78% copper. Copies of the Australian Standard AS2345 – Dezincification resistance of copper alloys – was distributed and discussed. The BPMA does not feel that any additional material testing is necessary if zinc content is less than 15%.

**Action Item:** This item will be left as an open item as additional information is collected. The BPMA was asked to submit additional documentation.

Item #19 - Backsiphonage Test

The BPMA was requested to provide proposed wording for an alternate backsiphonage test. No submittal from the BPMA has been received, however, individual submittals were received from Wilkins (dated 9/17/97) and Watts (dated 9/16/97).

**Action Item:** Recommendation that this lab test is reviewed by the MRC in the Foundation's laboratory, utilizing the different fouling techniques (i.e., straight wire, formed wire, etc.) To be accomplished at the next closed meeting at the Foundation's laboratory.

Item #22 – Proposed DCDA-II Standard

Reviewed draft standard (dated 1-5-98) for DCDA-II received from BPMA. MRC would like more time to review this draft, and requested Staff report. RPDA-II draft standard was not submitted, but it was intended that it would closely parallel the DCDA-II.

**Action Item:** Staff to review and report to MRC. Vote at future meeting. Bernie Clarke to provide field test data to the MRC regarding the high number of bypass assembly failures which he has found.

Item #16 - Opening and Closing Points

Reviewed data that was supplied to the Foundation office from a variety of administrative authorities. This data was compiled and sent to the MRC. Data supports the fact that there is a significant drop off of the readings during the last year when the values drop below acceptable. Some questions were raised that the drop off from 2.5 to 1.0 does not imply that an equivalent drop off from 1.5 to 0.0 would occur. Rand Ackroyd recommended that if the RV opening point were lowered to 1.0, then an additional field test for full opening be added.

**Action Item:** Motion to reject BPMA Item #16 (RV @ 1.0 psid, 2<sup>nd</sup> ck @ 0.5 psid) passed.

## **Field Test Gage Standard**

Draft of field test gage standard was sent MRC and interested parties for initial comment. There was a general discussion of major items of the draft standard.

**Action Item:** Requested written comments from those in attendance. Revised draft will be prepared for review at future meeting.

## **Old Business**

Paul Schwartz reported that the cycle test research continues to be worked on at the laboratory. A report and recommendation will be forwarded to the MRC at a future meeting.

## **New Business**

Rand Ackroyd previous provided a proposal from Watts (dated 15 May 1997) for a new standard, Special Application Backflow Preventers for Fire Protection Systems. He detailed that fireline backflow preventers operate under different conditions (i.e., static with backpressure). New tests should be considered to bring backflow preventers into compliance with fire standards, such as: seat adhesion, large pressure fluctuations, long-term backpressure.

***Action Item:*** Motion to accept in principle the addition of above noted fire line laboratory tests to the existing standards for DC, RP, DCDA, and RPDA passed. Rand Ackroyd to supply additional detailing of tests.

## **Meeting Schedule:**

7 April 1998 – This may be either open session, or closed meeting at Foundation lab.

Adjourned 3:00 pm