

Foundation for Cross-Connection Control and Hydraulic Research
University of Southern California
Manual of Cross-Connection Control
10th Edition

Manual Review Committee

14 November 2002

USC FCCCHR Laboratory
3022 Riverside Drive, LA, CA

Draft Meeting Synopsis

Dr J. J. Lee, Director, welcomed all members of Manual Review Committee (MRC), Committee roster distributed.

Those in attendance:

Mike Ahlee	Ernest Havlina	Robert Purzycki
Ken Anderson	Sam Johnson	Paul Schwartz
Richard Bird	J.J. Lee	Patrick Sylvester
Henry Chang	Mike McKibben	
Marty Friebert	Brad Noll - BPMA	

- Introduction of new member Mike McKibben, representing State of California, Department of Health Services.
- Paul Schwartz updated MRC with current EPA activity. Distribution system White Papers, including Cross-Connection Control, have been published on the EPA web page. Today in Seattle, EPA is conducting a stakeholder workshop to present the White Papers, and get some feedback from attendees. Bill Gedney should be attending this workshop, so Staff will request an update from him.
- Recycled Water Task Force – Meeting to take place on 19 November 2002 in Anaheim. Marty Friebert will be in attendance, and he will provide a summary report following the meeting.
- Patrick Sylvester updated MRC regarding the Foundation's AWWARF Project #2611, which is undergoing final editing at AWWARF.
- Patrick Sylvester updated MRC regarding the Foundation's ongoing residential survey project in Davenport, Iowa. Approximately 100 of the surveys have been completed.

- Motion to accept modified minutes from 24 September 2002 meeting was passed.
 - Modifications: Add Dr. Lee to attendance list
 - Page 2 of 4, Section 9; add “Item #990104 – Mike Ahlee to review and send draft.”

Old Business

Incident Report Form – Draft prepared by Ahlee and Bird. General discussion suggested that the Tester name should be removed, form should cover both internal and system issues, as well as source of contamination.

Action Item: MRC to send in comments to subcommittee by 1 Dec 02, and revised draft will be prepared for MRC review.

Action Item: Mike McKibben to update MRC on the incident report form being developed by CA-DOHS.

Item #970506 – Field Evaluation Failure Rates - Staff prepared handout which updated data from Field Evaluations conducted under the 9th Edition. Data indicates that 65% of the failures occur in the final four (4) months of the Field Evaluation, therefore, the Staff recommends that the twelve (12) month Field Evaluation be maintained in the 10th Edition. It was suggested to accept the Staff recommendation as presented, however, Brad Noll commented that BPMA Item #15 was primarily concerned with the comparison of Field Evaluations of horizontal versus vertical orientations.

Action Item: Staff to review data between horizontal and vertical Field Evaluation failures.

RP Field Test Procedure – Mike Ahlee had reviewed changes previously made in August 1999 to step ‘i’ (closure of the No. 2 shutoff valve) of the RP field test procedure. Mike supplied two modified options to better address the possible effects from disc compression when closing the No. 2 SOV. Option 1 suggests closing the high side bleed needle valve, closing the No. 2 SOV, then closing the low side bleed needle valve. Option 2 suggests closing the No. 2 SOV, then closing the high and low side bleed needle valves.

Action Item: Motion passed to have Staff review both options, their respective effects on diagnostics, and report back to the MRC.

Item #20000201 - DC Bleed Valve Arrangement

Staff report was distributed which detailed some lab tests to determine what flow rates could be achieved while maintaining an error of no more than 0.2 psid. Staff demonstrated tests. MRC suggested that these tests should in be included in the diagnostics section, or the appendix.

Action Item: Run additional tests utilizing ¼” ball valve or needle valve, and change location of pressure connection on bleed valve arrangement.

Material Discussion - Brad Noll reviewed the various issues surrounding the material requirements facing the manufacturers. MRC requested that BPMA provide recommendations regarding the material requirements.

Illustrations for Field Test Procedures - Staff will be reworking illustrations used in illustrated field test procedures in Section 9. Staff has received input that some of the illustrations may need to be carefully reviewed. The hand under the relief valve discharge port of the RP may receive a contaminant being discharged; and the finger on the air inlet port of PVB/SVB may suggest that the air inlet is being pushed/forced open.

Action Item: These issues will be reviewed by Staff to determine if alternate illustrations can be created.

SVB Field Test Procedure – Discussion about changing the SVB field test procedure so that the check valve is tested first, then the air inlet valve. The existing SVB field test procedure was patterned after the PVB (i.e. test air inlet, then check), and experience has shown us that the SVB field test can be simplified if the tests are reversed for the 10th Edition. Staff handed out draft of modified procedure and diagnostics for review. Requested MRC members to review draft and be prepared to discuss at future meeting.

Item #970501 - Factory audits - Brad Noll was asked at the 9/24/02 MRC meeting to ask the BPMA for their position and recommendation regarding factory audits. The item had been tabled until additional feedback could be received. Brad reported that the BPMA voted not to recommend factory audits unless the ANSI accreditation is pursued.

Action Item: Motion to take this item from the table was passed. Motion to reject Item #970501 (CMB audit proposal) passed unanimously.

RP Field test procedure – Mike Ahlee suggested a modification to the testcock flushing procedure to reduce the possibility of causing the relief valve to discharge – Open TC4, TC3, TC2; close TC2, open TC1, then close TC1, TC3, TC4. General discussion suggested that the flowing water from TC3 and TC4 will limit the sensitivity of TC2, so the suggestion was withdrawn.

Meeting Schedule:

The following meeting dates are being proposed:

4 February 2003 - Open meeting – *location to be confirmed*

19 or 20 March 2003 – General meeting *tentative*