

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

Manual Review Committee

11 January 2000

Kaprielian Hall – Room 203

Meeting Synopsis

Paul Schwartz welcomed all members of Manual Review Committee (MRC), Committee roster distributed, address corrections requested.

Those in attendance:

Mike Ahlee	Eric Foltz	Brad Noll
Ken Anderson	Ernie Havlina	Bob Purzycki
Rick Bird	Lloyd Huff	Paul Schwartz
Henry Chang	Sam Johnson	Patrick Sylvester
Kathleen Coates-Hedberg	J.J. Lee	

- Paul Schwartz updated MRC with current EPA activity. Paul made presentation to the Federal Advisory Committee (FACA) on 28 October 1999 in Washington, DC.
- Kathleen Coates Hedberg informed MRC that comments are still being accepted for modifications to State of CA Title 17. Comments due by 2/1/00. Also, State of CA Graywater Policy (10-28-99) handed out to MRC
- Staff has been soliciting administrative authorities for pass/fail rates from annual field testing of backflow preventers. Sample data from six different agencies was compiled for general information. Annual failure rates for the six agencies ranged from about 4 -16%.
- Draft survey from the FCCCHR's AWWARF study was handed out for general comment.
- Motion to accept minutes of 12 October 1999 meeting was passed with corrections offered by Henry Chang.

Old Business

Section 8

Since the existing installation guidelines are labeled for service protection applications, it was felt that installation guidelines for internal protection backflow preventers were needed. Due to local code requirements, or local standard installation criteria, it was felt that only the basic issues be addressed in these illustrations, such as:

- Clearances
- Accessibility for testing and maintenance
- Warning: “install per local code”

Action Item: MRC to provide comments regarding existing Figures 8.1-8.4, and staff to prepare illustration draft of internal installation guidelines.

Elements of Certification Programs –

Tester Subcommittee – Draft prepared by subcommittee had been previously distributed to MRC. Several modifications offered

Action Item: Mike Ahlee to email revised draft to staff so that it may be prepared with modifications.

Specialist Subcommittee – Draft prepared by subcommittee contains the detailed need to know criteria.

Action Item: Mike Ahlee to assist Specialist subcommittee to reformat this material into a format similar to the Tester materials, then forward to staff.

Section 9

PVB

At the last meeting, Ken Anderson was assigned the task of preparing a revised draft of the air inlet valve fully open test.

Action Item: Motion to accept the following modifications passed.

Section 9.4.2 Test 1(g) - “Slowly open-Leaking No. 1 Shutoff Valve. ~~Open the high side bleed needle valve to drain water from the body. Observe that the air inlet valve has opened to its fully open position.~~

h. Leave test cock No. 2 open, remove high side hose from test cock No. 2. Drain water from the body, and observe that the air inlet valve has fully opened.”

RP Field Test Procedure

2nd Check direction of flow test (current optional test A.2.2)

Action Item: Motion to accept the following modifications passed.

Section **A.2.2 ~~Optional: Check Valve No. 2 Test~~** – Direction-of-flow
Purpose: To determine the static pressure drop across check valve No. 2.

LIMITATION: A direction of flow value may be obtained for check valve No. 2 as long as shutoff valve No. 2 is drip tight. Any leak in shutoff valve No. 2 will invalidate the direction of flow value. If shutoff valve No. 2 is drip tight and the direction of flow value for check valve No. 2 is below 1.0psid, but greater than 0.0 psid, then the ability of the assembly to adequately prevent backflow is not effected.

New Business

Written comments received in FCCCHR Office regarding several subjects.

Mr. Matt Velardes- Recommended not changing the flushing procedure for the DC field test procedure. MRC does not feel that velocity of water during flushing process will cause fouling of check valves.

Mr. Carl Starr – Recommended that RP second check direction of flow test should be part of the RP field test procedure. The MRC does not want to require that the shutoff valve No. 2 be drip tight during the RP field test procedure. This test can not be done accurately if shutoff valve No. 2 leaks. See action item above for revised Section A.2.2.

Meeting Schedule:

The following meeting dates have been scheduled:

29 February 2000 – General meeting at USC Laboratory
11 April 2000 – *Tentative* Open meeting at Friendship Auditorium
6 June 2000 – General meeting at USC Campus

Adjourned 2:45 pm