MINUTES OF THE
SECOND PLUMBING TECHNICAL COUNCIL MEETING OF 2010

DATE: April 7, 2010
TIME: 9:00 a.m. – 3:00 p.m.
LOCATION: Delta Edmonton South
PRESENT: Richard Burk, Chair

Cameron Braun (arrived at 9:30 a.m.)
Wayne Ducharme
Charles Hallett
Sean Leonard, Vice Chair – North (arrived at 10:43 a.m.)
Ken Padfield
Darryl Reinhart
Joe van Weenen, Vice Chair – South
Kenneth Wigmore

Sidney Manning, Alberta Municipal Affairs
Alf Durnie, Alberta Municipal Affairs
Celia McDonagh, Safety Codes Council
Erin Stroud, Safety Codes Council (until 1:30 p.m.)

REGRETS: Mark Cardwell

RECODER: Sandi Orr

NEXT MEETING: Wednesday, September 29, 2010 at 9:00 a.m. in Edmonton
A. Call to Order

The Chair called the meeting to order at 9:06 a.m.

B. Adoption of Agenda

The following items were added to the agenda:

- E.6.02.10 Review of Matrices
- E.7.02.10 PSTS Summary Design Report

Kenneth Wigmore / Joe van Weenen moved to adopt the agenda, as amended; CARRIED

C. Adoption of Minutes

The following correction was made to the minutes:

- E.3.02.09 Solar Domestic Hot Water Systems
  ...the next meeting. The Working Group will consist of Sidney Manning, Darryl Reinhart, Richard Burk and Kenneth Wigmore.

Ken Padfield / Kenneth Wigmore moved to approve the January 20, 2010 meeting minutes, as corrected; CARRIED

D. Business Arising from the Minutes & Review of Action Items

E.5.05.08 Accept ABS & PVC Piping for Pressure Pump Discharges – Draft STANDATA

The draft STANDATA – P10-01-NPC 05 – Requirements for Residential Storm Sumps was circulated and reviewed (Handout #1).

Feedback was sought regarding Adaptors, Polyethylene, Polypropylene, PVC pressure piping and any additional concerns. Consensus was reached on the following:

- Include reference that garden hoses above ground if connected to a storm system are not acceptable as these hoses are not tested to CSA Standards for this use.
- Include reference that the STANDATA is not intended to address sanitary, combined or commercial applications.
- The STANDATA will identify that these requirements are for ‘single family and duplex’ residential storm sumps.
- Connection to storm drainage systems will be moved to the beginning of the STANDATA.
- Flexible adaptors will be referenced in the STANDATA.
- Approved Transitions including cements will be referenced in the STANDATA.
- Polyethylene, Polypropylene and other PVC pressure piping will not be referenced in the STANDATA.

The Chief Plumbing Administrator will redraft the STANDATA for review and approval at the next meeting. [Manning]
E.3.02.09 **Solar Domestic Hot Water Systems**

The draft STANDATA – P10-02-NPC 05 – Requirements for Solar Domestic Hot Water Systems was circulated and reviewed (Handout #2). Although the leading paragraph states that this includes the plumbing and building disciplines, the building discipline has no issues or concerns regarding solar domestic hot water systems. With solar systems being included in future building codes, this interest is anticipated to change.

Consensus was reached to include the following:
- Any references to the Building discipline or building code will be removed for the time being.
- Reference to the Gas discipline and code will be removed.
- Reference will be added pertaining to a plumbing permit being required and therefore, installation must be done by a plumber and the inspection by a Plumbing SCO.

The Working Group will develop a draft set of qualifications for the design and installation of uncertified systems and will forward their recommendations to the Chief Plumbing Administrator for inclusion in the next draft of the STANDATA.

[Manning / Reinhart / Burk / Wigmore]

E.3.03.09 **Aerosol Leak Testing – update**

It was reported that a demonstration has not yet been completed and there was nothing new to report. Further discussion was deferred to the next meeting.

In the meantime, the council supports the use of Alternate Solutions to address aerosol leak testing.

E.4.01.10 **Water Reuse**

The Design and Installation Standards for Residential Rainwater Harvesting Systems for the Province of Alberta (Handout #3) and the Course Outline for Rainwater Harvesting Training Course (Handout #4) were circulated.

The Handbook will be circulated with the minutes.

[Manning / Paches]

Members were asked to review these documents and provide feedback to the Chief Plumbing Administrator.

[All]

On behalf of the council, Wayne Ducharme, Kenneth Wigmore, Cameron Braun, Richard Burk and Darryl Reinhart (large municipalities) volunteered to attend the 8-hour pilot course being put on by the University of Guelph scheduled in Edmonton on May 5, 2010. It was noted that expenses would be paid by the SCC for all council representatives.

A representative from the education institutions will be sought to attend the pilot workshop.

[van Weenan]
It was further reported that a multi-Ministry meeting was held with the Water Working Group and the recommendation was made to move water reuse forward to the applicable Ministers with the premise that this would be under the jurisdiction of Alberta Environment. Water reuse would be introduced in a phased in approach starting with multi-family projects, then single family residential application.

It was suggested that remote camps, where water needs to be trucked in and out, would be an excellent pilot project.

Joe van Weenan reported on an exchange program being held where one of the objectives is to research water reuse in other jurisdictions. Upon completion of these exchange programs, a report will be provided to the Chief Plumbing Administrator.

**REVIEW OF ACTION ITEMS**

All other action items were completed or included on the agenda.

E. **New Business**

E.1.02.10 **STANDATA P-08-04 NPC 05 – Clothes Washers**

The issues relative to multiple Clothes Washers was explained and excerpts from the existing STANDATA were reviewed. As the STANDATA’s references were intended for a single clothes washer, it was recommended that a slight change in wording is required for clarification.

The STANDATA was revised to add the following sentence at the end of the second last paragraph on page 1: *This requirement does not apply to wet vent applications for multiple clothes washers.*

Darryl Reinhart / Joe van Weenan moved to adopt and release the revised STANDATA P-08-04 NPC 05 – Clothes Washers; CARRIED

E.2.02.10 **Fio Drains**

It was reported after researching Fio drains, they have not been a CSA approved plumbing device since 1995. The Chief Plumbing Administrator reported that as a result of a reduced market share, Fio Drain has chosen to no longer get CSA certification on this product and as a result this non-certified product cannot be used.

The Chief Plumbing Administrator will research this and report at the next meeting.

E.3.02.10 **Geothermal Installations**

National Plumbing Code Clause 2.6.1.8. was read pertaining to Solar Domestic Hot Water Systems. As geothermal installations are also being used for domestic hot water systems, it was suggested that a code provision be included in the National Plumbing Code to reference Geothermal Hot Water Systems and related standards. Concern was expressed that more information than just the Geothermal Standard reference is required in the code.
The Geothermal Standard will be researched for further discussion at the next meeting.  [All]

**E.4.02.10  Floor Sinks**

A pictorial index of sanitary floor sinks (Handout #5) and a draft STANDATA P-10-03-NPC 05 – Floor Sinks – Drainage and Venting Requirements (Handout #6) were circulated and reviewed.

The wording “Not intended to limit the use of floor drains as required.” will be added to the STANDATA, along with the disclaimer clause and brought forward at the next meeting or approval by Letter Ballot.  [Manning]

**E.5.02.10  Appointment of Gerald Byer – January 31, 2013**

The nomination from the City of Edmonton was circulated and reviewed (Handout #7).

**Darryl Reinhart / Wayne Ducharme moved to recommend to the Coordinating Committee the appointment of Gerald Byer to the Plumbing Technical Council for a term until January 31, 2013, effective immediately; CARRIED**

**E.6.02.10  Review of Matrices**

It was reported that the Coordinating Committee has asked each council to review their matrices to ensure that it best reflects all related industry representatives.

It was noted that when the council had a labour representative attending regularly it was extremely beneficial. There is a need to proactively pursue filling the ‘labour’ representative vacancy.  [Clough]

The current matrix was reviewed and consensus was reached that all trade related councils (building, plumbing, gas, electrical) should have a representative from both Calgary and Edmonton due to the impacts that code recommendations can have to over half the population in the province. This might also assist in creating more uniformity and consistency between the two major municipalities.

**Wayne Ducharme / Sean Leonard moved to recommend to the Coordinating Committee a revision to the Plumbing Technical Council matrix to include large municipal representation from both Edmonton and Calgary; CARRIED**

A copy of each of the council’s matrices will be forwarded with the next agenda for consideration of other organizations that may be appropriate.  [Paches]

**E.7.02.10  PSTS Summary Design Report**

A sample of a Summary Design Report was circulated (Handout #8). A design report similar to this is required when conducting an onsite wastewater treatment system inspection. This template provides a starting point and is very much in the draft stage. It was noted that this type of document is an absolutely necessity for the SCO to have in his possession in order to inspect the site to ensure compliance with the standard.
It was questioned whether this document was similar to software available through tank manufacturers. It was clarified that their worksheet is simply an excel spreadsheet that completes the mathematical calculations and does not include all of the required information. It was questioned whether GPS coordinates should be mandatory. It was reported that there is value to have those coordinates. However, there is no requirement in the Standard to provide them.

Members were asked to review the document and provided feedback to the Chief PSTS Administrator as quickly as possible.

F. Standing Agenda Items

a) Technical Coordinating Committee Update

The Chair provided a brief report from the last Technical Coordinating Committee held on February 4, 2010. Topics of discussion included:

- SCC / AMA appointment structure
- SCA review
- Meeting Procedures Workshop for Chairs and Vice Chairs
- Permit Issuers Course is available on SCC website
- Bylaw Revisions being presented at the AGM
- Matrices review
- New Introduction to Safety Codes System base course
- Energy Efficiency consultation
- Code adoption process

With regard to the concerns raised regarding the cost of training required by SCOs, the Education and Training Standing Committee has met since the TCC meeting and have discussed this topic. Most Committee members felt the costs are reasonable.

It was asked that TC minutes and agenda packages be circulated electronically. [McDonagh/Paches]

b) Private Sewage Initiatives / Uniform QMP for Private Sewage

It was reported that Permit Issuers do have the Designation of Powers to issue a PSTS permit without being a Group B Plumbing SCO. However, it was noted that a PSTS Summary Design Report is a requirement in the Standard and the Group B Plumbing SCO would need to have this document when completing the inspection to ensure that the system is in compliance with the Standard.

An article was shown on screen regarding the Manitoba’s decision regarding not allowing open discharge systems.

c) Education & Training Update

The following action items remained outstanding:

- Were appointed to review the course material. [Ducharme/Padfield/Hallett]
Wayne Ducharme / Kenneth Wigmore moved to approve the course material for the Plumbing Group B SCO Course, subject to incorporating the sub-committee’s feedback into the course development process; CARRIED

The Chief Plumbing Administrator reported on his meeting with Industry and Training and advised that the greatest discussion was held relative to private sewage. It was reported that 16 hours on private sewage have been incorporated into the third year of plumbing apprenticeship.

d) Plumbing Code Questions

An example was provided of an OS&B “Fill & Drain” tub water overflow system. It was questioned whether the product was CSA approved and if so, to what Standard.

The Chief Plumbing Administrator will follow up on the CSA certification of “Fill & Drain”.

A brief update was provided on apprenticeship statistics.

e) AMOS Update

It was reported that the Spring Conference is scheduled for April 23-24, 2010 in Red Deer. During the AMOS conference, the following training is being provided:

- April 22-23 – Technical Training for Plumbing and Gas SCO Group A
- April 23 – Code Update Training for Plumbing SCO Group B

It was reported that the British Columbia Safety Authority is recommending solar readiness on all residential housing as there is some indication of making solar energy use a requirement in the future.

G. Next Meeting

The next meeting was scheduled for Wednesday, September 29, 2010 at 9:00 a.m. in Edmonton.

Cameron Braun / Ken Padfield moved that the meeting be adjourned; CARRIED

The meeting was adjourned at 3:00 p.m.
--- ACTION ITEMS ---

E.5.05.08 Accept ABS & PVC Piping for Pressure Pump Discharges – Draft STANDATA

The Chief Plumbing Administrator will redraft the STANDATA for review and approval at the next meeting. [Manning]

E.3.02.09 Solar Domestic Hot Water Systems

The Working Group will develop a draft set of qualifications for the design and installation of uncertified systems and will forward their recommendations to the Chief Plumbing Administrator for inclusion in the next draft of the STANDATA. [Manning / Reinhart / Burk / Wigmore]

E.4.01.10 Water Reuse

The Handbook will be circulated with the minutes. [Manning / Paches]

Members were asked to review these documents and provide feedback to the Chief Plumbing Administrator. [All]

A representative from the education institutions will be sought to attend the pilot workshop. [van Weenan]

Upon completion of these exchange programs, a report will be provided to the Chief Plumbing Administrator. [van Weenan]

E.2.02.10 Fio Drains

The Chief Plumbing Administrator will research this and report at the next meeting. [Manning]

E.3.02.10 Geothermal Installations

The Geothermal Standard will be researched for further discussion at the next meeting. [All]

E.4.02.10 Floor Sinks

The wording “Not intended to limit the use of floor drains as required.” will be added to the STANDATA, along with the disclaimer clause and brought forward at the next meeting or approval by Letter Ballot. [Manning]

E.6.02.10 Review of Matrices

It was noted that when the council had a labour representative attending regularly it was extremely beneficial. There is a need to proactively pursue filling the ‘labour’ representative vacancy. [Clough]

A copy of each of the council’s matrices will be forwarded with the next agenda for consideration of other organizations that may be appropriate. [Paches]
E.7.02.10 PSTS Summary Design Report

Members were asked to review the document and provided feedback to the Chief PSTS Administrator as quickly as possible. [All]

F. a) Technical Coordinating Committee Update

It was asked that TC minutes and agenda packages be circulated electronically. [McDonagh/Paches]

F. c) Education & Training Update

- Were appointed to review the course material. [Ducharme/Padfield/Hallett]

F. c) Plumbing Code Questions

The Chief Plumbing Administrator will follow up on the CSA certification of “Fill & Drain”. [Manning]

--- MOTIONS ---

E.5.02.10 Appointment of Gerald Byer – January 31, 2013

Darryl Reinhart / Wayne Ducharme moved to recommend to the Coordinating Committee the appointment of Gerald Byer to the Plumbing Technical Council for a term until January 31, 2013, effective immediately; CARRIED

E.6.02.10 Review of Matrices

Wayne Ducharme / Sean Leonard moved to recommend to the Coordinating Committee a revision to the Plumbing Technical Council matrix to include large municipal representation from both Edmonton and Calgary; CARRIED

F. c) Education & Training Update

Wayne Ducharme / Kenneth Wigmore moved to approve the course material for the Plumbing Group B SCO Course, subject to the incorporation of the sub-committee’s feedback into the course development process; CARRIED

G. Next Meeting

Cameron Braun / Ken Padfield moved that the meeting be adjourned; CARRIED