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## **Minutes of World Plumbing Council Triennial General Meeting held on Wednesday 14<sup>th</sup> September 2016 at the Cape Town International Conference Centre, Cape Town, South Africa**

**WPC 01/16 PRESENT**

### **EXECUTIVE BOARD**

**Sudhakaran Nair**, WPC Chairman, IPA (India); **Shayne La Combre**, WPC Deputy Chairman, PICAC (Australia); **Ken Gardner**, Hon Secretary/Treasurer, MPMSSA (Australia); **Elmar Esser**, WPC Director, Zentralverband Sanitar Heizung ZVSHK (Germany); **Allen Inlow**, WPC Director, IAPMO (USA); **Kevin Wellman**, WPC Director, CIPHE (United Kingdom); **Thomas G. Bigley**, WPC Director, UA (USA); **Steve Brown**, WPC Director, IOPSA (South Africa).

### **WPC Secretariat**

**Stuart Henry**, Past Director & Chairman (1999-2005), Aqua Global Consultants (Australia)


### **Full Members**

**Dave Viola**, IAPMO (USA); **Bruce Pfeiffer**, IAPMO(USA); **Daniel "DJ" Nunez**, IAPMO(USA); **Alberto Fossa**, ABRINSTAL (Brazil); **Jose Jorge Chaguri JR**, ABRINSTAL(Brazil); **Jose Silvio Valdiserra**, ABRINSTAL(Brazil); **Billy Smith**, ASPE (USA); **Mitch Clemente**, ASPE(USA); **Dr. Henry Hung**, PFC of CCMSA (China); **Lily Li Kai**, PFC of CCMSA(China); **Hans-Peter Kaufmann**, suissetec(Switzerland). **David Huvet**, suissetec(Switzerland); **John Joseph**, IPA (India); **Greg Tink**, Master Plumbers Australia(AUSTRALIA); **Bob Goodchild**, MPGA(Western Australia); **Manfred Stather**, ZVSHK(Germany); **Lee Goldie**, IOPSA(South Africa); **Peter DeMarco**, IAPMO(USA); **Jin Luo**, IAPMO(USA).

### **Affiliate Members**

**Erwin Fidelis Reisch**, Alfons W Genter Verlag GmbH & Co KG, (Germany); **Christopher Strobel**, Strobel Verlag GmbH (Germany); **Mete Demiriz**, Westfalia University(Germany); **Ute Alexandrowice**, Westfalia University (Germany); **Mark Schurr**, Geberit (Southern Africa).

**Matthew Mottram**, Sussex Coast College, Hastings(UK); **Randy R Lorge**, Fox Valley Technical College(USA).



**WPC 02/16 WELCOME & OPENING REMARKS** - The WPC Chairman, Mr. Sudhakaran Nair opened the meeting at 9.10 am welcoming all present to the WPC Triennial Meeting, acknowledging IOPSA for arranging the meeting room and Geberit for their sponsorship support. He noted that this was the third time WPC had met in South Africa, in 1999, 2009 and now 2016. He then invited members present to introduce themselves, stating their name and whom they represented.

Following the introductions, he invited Rory McNamara the IOPSA conference coordinator and organizer to provide an overview of events and activities arranged for delegates attending the meeting, welcome reception and conference.

**WPC 03/15 APOLOGIES FOR ABSENCE**

**Geoff Marsh**, Inaugural WPC Chairman, (UK); **Robert Burgon**, Past WPC Chairman, SNIPEF (Scotland); **Russ Chaney**, Immediate Past WPC Chairman, IAPMO Group (USA); **Hua Mingjiu** WPC Director, Plumbing Facilities Committee of China Metal Structures Association, (China); **Richard Prospal**, ASSE (USA); **George Bliss**, Past WPC Chairman, United Association (USA); **Rene Machler**, RMC Consulting AG (Switzerland), **Hans Tiedeman**, Past WPC Director(Canada); **Steve Movley**, Past WPC Director, IOPA (Australia); **Jeff Patchell**, Plumbing Connections, (Australia); **Bernard Batemen**, Past WPC Secretary(UK); **Murray Thomas**, MPGA (Western Australia); **Peter Jackson**, PGDB (New Zealand).

Messages from Hua Mingjiu and Geoff Marsh were read out to the meeting.

**WPC 04/16 MINUTES OF PREVIOUS MEETING**

The Chairman requested the Minutes of the General Meeting of the World Plumbing Council held at the Hotel Mercure Grand, Warsaw, Poland on the 27<sup>th</sup> April 2016 be accepted as a record of that meeting.

It was moved by Mr. Allen Inlow, IAPMO, USA that the Minutes as circulated with the agenda and notice of meeting be accepted as a true record of the meeting, seconded Mr. Kevin Wellman, CIPHE, UK.

The motion was carried.

**WPC 05/16 MATTERS ARISING NOT SHOWN ON THE AGENDA**


The Chairman invited members to raise any matters or items of business arising from the Minutes not listed on the Agenda, there were none.

At this juncture the Chairman moved to **Agenda Item 10 Election of the WPC Executive Board 2016 – 2019**, in doing so he expressed his thanks and appreciation for the contribution and commitment of the Executive Board Members over the past 3 years.

He then invited the Secretariat to address the meeting.

The Secretariat reported that consistent with the WPC Bylaws nominations had been called for inviting WPC Full Member organisations to nominate their representatives as candidates for election to the WPC Executive Board with nominations closing on the 16<sup>th</sup> July.

On the 15<sup>th</sup> August WPC Full Members were advised that “As the number of nominations received by the 16h July are equal to and correspond with the positions



available on the WPC Executive Board, there will be no need for a ballot during the WPC Triennial General Meeting”.

He then announced that the nominations received for each position had been duly elected unopposed to the WPC Executive Board for the 2016 – 2019 term as;

WPC Chairman: Shayne La Combre, PICAC, Australia

WPC Deputy Chairman: Thomas G. Bigley, United Association, USA

Hon. Secretary/Treasurer: Ken Gardner, Master Plumbers Association, Australia

Directors:

John Joseph, Indian Plumbing Association, India

Dr. Henry Hung, Plumbing Facilities Committee of China Construction Metal Structure Association, China

Kevin Wellman, CIPHE, UK

Elmar Esser, ZVSHK, Germany

Dave Viola, IAPMO, USA

Alberto Fossa, ABRINSTAL, Brazil

The meeting welcomed the incoming board with acclamation, with newly elected Executive Board members each acknowledging the response of the meeting.

#### **WPC 06/16 FINANCIAL REPORT**

The Chairman invited the Hon. Secretary/Treasurer Mr. Ken Gardner to address the meeting.

The Hon. Secretary/Treasurer initially spoke about the delay in receiving the final 2015 Audited Accounts, reporting that the audit of the 2015 accounts has not yet been finalized, due to issues with requirements regarding Swiss Value Added Tax(VAT) that had been raised by the auditor (KPMG). It has now become apparent that WPC should have been self assessing its VAT obligation.


Subsequently advice has been sought from Ernst Young who have provided the previous tax advice to WPC to confirm this liability and to clarify why it has not been raised by them in the past.

Initial self assessment of the 2015 year indicated that a liability of up to \$4,500 may exist in that year. There is the potential that the self-assessment process will need to review a number of prior years and may result in a significant liability.

He then went on and addressed the Profit and Loss for the year to date. reporting a deficit for the year \$8,084.00. Income was recorded as \$51,215.00 against operating expenses of \$59,299.00

At 7 September 29 full members have paid their 2016 subscriptions for the year along with  
42 affiliate and 42 individual members.

He reported that the balance sheet remained strong with no liabilities and with very strong cash reserves of US\$523, 695.00 although the potential liability of approximately CHF 20,000 for Swiss VAT should be considered against the cash reserves.



He advised that the EB had discussed the issue of Swiss VAT and possible liability for acquisition tax as outlined in an Ernst & Young letter and it had been agreed that the Ernst & Young suggestion that WPC register for VAT purposes on a voluntary basis and disclose a possible liability to the Swiss Federal Tax Administration of approximately CHF 20,000 for the years 2011-2015 be acted on.

The Chairman asked that the financial report be approved.

It was moved Mr. Shayne La Combre that the Financial Report as presented be accepted, seconded Mr. John Joseph, carried

#### **WPC 07/16 MEMBERSHIP REPORT**

The Chairman invited Mr. Shayne La Combre to present his Membership Report.

Mr. La Combre reported that to increase efficiency, reliability and reduce overall operating costs, the WPC Executive Board agreed to implement a Membership Management System for the WPC. The purpose of the system is to not only streamline membership management, but also provide the opportunity to integrate the WPC website into the program and provide efficient communication solutions for members.

As tabled in the previous board report, a number of issues had arisen during the WPC Membership renewal process. As there was no membership management software in place, the process needed to be completed manually and was very time consuming.


To remedy this, the WPC proceeded with an arrangement with ASI International to implement the iMIS100 Membership Management System. The process to develop and execute the system began in October and has overall been quite successful.

He then spoke in detail addressing; the MMS Development and the requirement for a detailed brief about the WPC system requirements; MMS Implementation and the integration of WPC Membership data to be migrated into the new software; MMS Completion is reliant on the payment gateway, as is the front end or customer facing aspect of the system. Once the payment gateway is integrated, the accounting system can then be activated for financial reporting purposes. The payment gateway is required to complete the online membership application process.

Invoices were sent to all members on the 5 February 2016 using the membership management system. The benefits of the system were immediately apparent as the invoices were able to be sent en-masse, taking less than an hour as opposed to the previous process which involved generating each invoice manually and sending via email individually, which took a number of days.

Mr. La Combre provided a detailed report on the current status of payments and the breakdown of members by country which is attached for the interest of members. He then moved onto report on the updates to the WPD and WPC websites being well underway with hosting transferred to PICAC's IT Service Provider, ASTA Solutions, successfully. This enables content management for both sites to be updated and any issues arising can be dealt with in a timely manner.

He indicated that there had been some problems associated with the WPC email address being unable to receive and send emails along with concerns with virus and malware protection programs blocking access to the WPC site due to the detection of virus infections. These issues had now been addressed by restructuring email



capabilities and transferring the domain rights to PICAC it has enabled the WPC to streamline email communications, website maintenance and membership management. However, the website content needed to be addressed and updated to ensure that the information provided was current drawing attention to those areas needing attention.

Following the presentation, there were questions and discussion with the report being noted and accepted on the motion of Allen Inlow and seconded by Ken Gardner.

#### **WPC 06/16 CHAIRMAN'S REPORT**

The Chairman addressed the report.

Speaking on the Report, the Chairman noted that this would be his last report on behalf of the outgoing Executive Board who had met on several occasions since being elected in 2013.

He then briefly commented on his involvement with WPC since 2005, the value this brought to the development of plumbing in India and to IPA in particular. He further reflected on the experience and the benefit of being able to work with the World's leading plumbing professionals through the WPC. He again thanked those on the WPC EB for their support.

Key points included in the report were;

- Creation of a governance committee and a research and development committee
- WPC sponsorship support from industry
- Publication of the WPC Handbook / creation of WPC video
- WPC regional meetings held in UK and USA
- Introduction of the Water Innovation Challenge which evolved into the Community Plumbing Challenge
- Development of the WPC research database

He then spoke of the IPA support and sponsorship of the WPC Scholarship program for developing and least developed countries and the potential of the contribution it could and would make personally to the recipients and their countries.

In concluding, he said "I will sign off here in Cape Town after having served four terms with the EB since March 2005. It has been a great honour and a time for me to remember and thank all the colleagues and friends I have had the privilege to work with over this time."

Following the report, it was moved Mr. Allen Inlow, USA that the Chairman's Report as circulated and reviewed be accepted, seconded Mr. Kevin Wellman, UK, carried.

#### **WPC 07/16 SPONSORS PRESENTATION – GEBERIT**

The WPC Chairman introduced Mr. Mark Schurr, Geberit Southern Africa, noting that Geberit had been a significant supporter of the plumbing industry and WPC.

Mr. Schurr thanked the WPC for the opportunity and provided an educational and interesting overview of Geberit and its operations, noting that;

- Geberit is a leader in the field of sanitary products.
- Geberit operates as an integrated international group with a very strong local presence with offices in Johannesburg, Cape Town and Durban



- Geberit provides a unique added value when it comes to sanitary technology and bathroom ceramics.

The Chairman thanked Mr. Schurr for Geberit's support and generosity and for his presentation and commentary with the meeting showing its appreciation by acclamation.

### **WPC 8/16 PLUMBING INDUSTRY PRESENTATION – the 2016 Community Plumbing Challenge**

The Chairman invited Grant Stewart and Sean Kearney, International Project Managers from IAPMO/IWSH to address the meeting on the recently held Community Plumbing Challenge in Diepsloot, South Africa.

To begin, Grant and Sean provided a quick recap of the objectives behind the project;

- Work with communities to design, produce and install sustainable solutions to problems of water quality and supply and sanitation;
- Provide education and training opportunities for community members and CPC teams and facilitate formal recognition of knowledge and skills gained;
- Promote the role of plumbing skills in solving problems of water quality, supply and sanitation, and disseminate project outcomes to stakeholders and the general public;
- Advocate for quality education and training based on real-life problem solving by multi-disciplinary teams;
- Review and evaluate projects in consultation with communities and apply feedback to the continuous improvement of project processes and outcomes;
- Produce and disseminate reports, stories, analyses and resources to support new projects and engage new organisations and individuals.

They then spoke of the methodology and team processes involved in creating the challenge noting that the main emphasis is on PLUMBING - VITAL TO GLOBAL HEALTH, plus complementary skillsets, again, in context to the work being set in the location, plus graphic design

In Diepsloot in addition to plumbing skills metalwork/welding/metal fabrication

and architectural engineering were incorporated with team members being under 28 years of age reflecting young professional age range across countries

A host relationship is key to making this work, they tell us what is needed, and drive it from there. In Diepsloot, WASSUP and Sticky Situations assisted in facilitating local community relationships and partnerships for the Challenge project.

They stressed the importance of appreciating and understanding the real needs in such communities with an effective structure put in place to help achievements arising from the Community Plumbing Challenge to continue to grow and progress

Their presentation was accompanied by a dynamic video of the Diepsloot community along with overhead slides clearly demonstrating and outlining the value of the Community Plumbing Challenge to the Diepsloot community.

In concluding they noted that Diepsloot community representatives would arrive



today.

And for those of you who'd like to discuss on a local / national level with regard to SA Plumbing Industry or potential collaboration opportunities, or would like to discuss future international projects, whether as a participant team, sponsor, or event host, please visit us in Hall 4B to view the work carried out in the Diepsloot project.

There was a period of questions and answers following the presentation with the meeting demonstrating its appreciation of the presentation.

#### **WPC 09/16 THE 2022 WORLD PLUMBING COUNCIL CONFERENCE BID PROCESS**

The PFC of CCMSA had a number of representatives attend the meeting to present a very detailed bid for the 13<sup>th</sup> World Plumbing Conference to be held in Beijing, China in 2022. The delegation was introduced by Ms. Lily Li Kai and Dr. Henry Hung. The bid documents included a very detailed proposal Titled "Your Invitation to China 13<sup>th</sup> World Plumbing Conference 2022"

The presentation addressed key reasons for choosing Beijing as the host city and PFC Of CCMSA as the host organization, including;

- Why PFC of CCMSA is providing background of its membership and support for WPC. Range of interest areas including water supply, waste water, pumps & valves, pipes etc.
- Provisional Programme Outline from reception May 18 to Gala Dinner on May 22, 2022.
- Provisional theme of – "Keep the Earth Green"
- Overview of the proposed budget and registration costs for delegates
- A detailed overview of Beijing addressing its history, population, culture, food & dining, market places, accommodation

Following the presentation there was considerable discussion and support for the proposal as presented.

It was moved Mr. Kevin Wellman, CIPHE that the proposal to hold the 13<sup>th</sup> World Plumbing Conference in Beijing in 2022 hosted by the PFC of CCMSA making Beijing the place to be in 2022 be agreed, seconded Mr. John Joseph, IPA. The motion was carried unanimously.


#### **WPC 10/16 ELECTION OF THE WPC EXECUTIVE BOARD 2016 – 2019**

Addressed earlier in the meeting

#### **WPC 11/16 TO RECEIVE A REPORT ON THE PROGRESS OF THE 12<sup>th</sup> WORLD PLUMBING CONFERENCE**

The Chairman called on Mr. Shayne La Combre to present the report.

Mr. Shayne La Combre addressed his report; In 2013, the Plumbing Industry Climate Action Centre successfully won the bid to hold the 2019 Triennial WPC Conference in Melbourne. Since then, plans are well underway for what is shaping up to be the biggest conference to date. Not just the most livable city in the world for 6 years in a row, Melbourne is also the premier location in Australia for hosting international events and conferences.



The conference will be held on **Wednesday 11 – Friday 13 September, 2019**. This date falls within the season of spring in Melbourne, resulting in ideal conditions for delegates to explore the city and experience additional activities and sightseeing.

Following the preliminary research and planning that was undertaken for the bid process, PICAC has been working closely with the Melbourne Convention Bureau (MCB) to secure a location for the conference to be held. With a date set, PICAC was able to secure a space at the Melbourne Convention and Exhibition Centre (MCEC), a premier event facility located next to the Yarra River in South Wharf, an inner-city suburb of Melbourne.

The MCEC is the only centre in Australia to offer onsite accommodation, with the five-star Hilton Melbourne South Wharf directly connected via a private internal walkway. There are a further 6000 hotel rooms located within walking distance to the MCEC, to suit all accommodation requirements. Negotiations have commenced to develop accommodation offers that represent value to all delegates.

The MCEC features a range of adaptable spaces which can be managed to suit each portion of the event's needs. The event will include a general meeting, welcome seminar and a number of breakout sessions where guest speakers will be invited to present on a range of topics. There will also be an exhibition space available for up to 25 sponsors and partners to showcase new information and technologies. "To date, there has been a positive response from sponsors for the conference and we have secured good sponsorship commitment, essential to keeping the economics of the event manageable."

With the venue secured, PICAC will now undertake a tendering process with the MCB, to source an appropriate event management company to assist with the running of the event. This will involve meeting with a range of organisations who will be able to pitch their services. Once a decision has been made on a satisfactory candidate, the event planning process will progress.

Mr. La Combre then encouraged all those at the meeting to pencil the event and date into their diaries and concluded by showing a promotional video of Melbourne

#### **WPC 12/16 ISH 2017 - 14 to 18 March 2017**

The Chairman invited Mr. Elmar Esser to address the meeting on behalf of Messe Frankfurt.

Mr. Esser addressed the meeting and said that, ISH is the world's leading trade fair for the combination of water and energy.

Ranging from sustainable sanitary solutions, via innovative bathroom design, to energy efficient heating technology in combination with renewable energies and environmentally-friendly air-conditioning, refrigeration and ventilation technology, the spectrum of products and services at the biennial ISH covers all horizontal and vertical facets of future-oriented building-services solutions.

With impressive figures, ISH underscores its significance as the world's leading trade fair for visitors and exhibitors.





Over 2,400 exhibitors, including all market leaders from home and abroad, launch their latest, market-ready technologies and solutions at the global market in Frankfurt am Main.

With around 200,000 visitors, ISH is the world's leading trade fair for the sector and a must for all working in the plumbing and installation industry.

Almost 40 % of visitors come from outside Germany, many of them from expanding regions of the world, such as East Europe and Asia.

The theme of ISH 2017 is "Water. Energy. Life. ", which shows clearly where the focus of the world's leading trade fair is.

The "Pop up my Bathroom Trend Forum" presents twelve different bathroom scenarios that offer insights into a variety of situations under the motto 'individualisation'.

For the first time, the new '**Bathroom modernisation in a single day**' project will be implemented at ISH and give visitors the chance to watch a complete bathroom being completed every day of the fair.

The Central Association of Sanitation, Heating and Air-Conditioning (ZVSHK) presents the **Bathroom of the Future** research project. Design students have developed new product ideas for existing bathrooms in accordance with the philosophy of 'design for all', which enables people to live independently in their own homes. What makes this project so special is that it incorporates not only sanitation, heating and air-conditioning fitters but also consumers into the development process.

At the **ISH Technology and Energy Forum**, everything revolves around the subject of modern and efficient heating technology 'Made in Germany'. Together with partner associations from the energy business and industry, the forum covers all aspects of the heating market.

The **Stove Forum** shows vividly how important wood firing is in terms of energy and climate policy. Subjects of topical interest to the sector are discussed in the lecture forum.

The **Building Forum** focuses on innovative and future-oriented solutions for professional installations and the energetic operation of buildings and property. Additionally, examples of efficiency in the new construction and modernisation segments will be presented at the **BTGA Property Forum**.

The **Air Conditioning Forum** offers insights into the latest demands and developments in the fields of fans, home ventilation and central air-conditioning units.

In the '**The future of the sanitation, heating and air-conditioning trade**', ZVSHK documents the great importance of the trade for senior-friendly and energy efficient building.

Mr. Esser concluded his presentation by advising that Messe Frankfurt has been cooperating with the World Plumbing Council for many years., and as part of that cooperation Messe Frankfurt had agreed to provide a trip to Frankfurt for two people during ISH 2017, raffled among all delegates at the World Plumbing Conference in Cape Town on 15 September.

The travel package includes flight (Economy Class), four nights' accommodation and admission to ISH, including VIP treatment.

“See you at ISH 2017”

The meeting expressed its appreciation of the ISH 2017 presentation with acclamation.

## **WPC 13/16 WPC STANDING COMMITTEE REPORTS**

### **13.1 Governance/Bylaw Committee**

No report was presented

### **13.2 Education & Training Committee**

Mr. Shayne La Combre reported that as advised at the World Plumbing Council (WPC) Meeting in Warsaw in April 2016, two Scholarships have been awarded for 2015:

- Education and Training Scholarship
- Least Developed and Developing Countries Scholarship (sponsored by the Indian Plumbing Association).

#### **Education and Training Scholarship**

Three applications were received and after review, the Selection Committee approved the nomination of Mr. Simon Reddy from England to be the Scholarship recipient for 2015.

Mr. Reddy travelled to China (Hong Kong) from 13 July – 1 August 2016, to observe students undertaking the Vocational Education (QF Level 4) Professional Diploma in Plumbing Engineering. He also investigated the development of a Master of Science programme for advanced plumbers, which was being undertaken in Hong Kong.

Mr. Reddy was given an amended brief which included:

- *A general comparative analysis of the plumbing regulatory frameworks in England and Hong Kong*
- *A general comparative analysis of plumbing education/training in England and Hong Kong.*


#### Current Status

We are currently awaiting Mr. Reddy's report to the WPC which is due to be tabled by November 2016.

### **Least Developed and Developing Countries Scholarship**

Two applications were received and after review, the Selection Committee approved the nomination of Mr. Ameet Pillay from Fiji to be the Scholarship recipient for 2015.

Mr. Pillay travelled to Australia to undertake a study program at the University of Queensland to gain knowledge on Drinking Water Treatment – its principles, practice and application. This course ran on the Gold Coast from 11 – 15 July 2016.



Following the successful completion of the course, Mr. Pillay travelled to Melbourne to attend the Plumbing Industry Climate Action Centre, where he undertook several classes, spoke with the Teaching Staff and collected many manuals and Standards to take back to Fiji.

He also attended the Victorian Building Authority where he was introduced to the Victorian Regulatory Regime.

It should be acknowledged that Mr. Pillay had to contend with problems associated with a typhoon which hit Fiji just prior to his trip.

### Current Status

Mr. Pillay's visit to Australia was very short due to the imminent birth of his first child. His son was born the day after Mr. Pillay arrived home. Mother, Father and Son are doing well.

As at 5 September 2016, no report from Mr. Pillay has been received. Advice of the two Scholarships for 2016 was sent out to all WPC Members in August 2016. Applications close on the 22nd September 2016.

The WPC Executive Board will appoint a Panel to assess all applications and make recommendations with an announcement of the successful applicant being made no later than 30 October 2016.

### **11.3 Membership & Development Committee**

Shayne La Combre advised that the WPC EB had previously agreed to implement a membership management system for the WPC to reduce overall operating costs and improve efficiency and to also integrate WPC/YPD website providing effective communication.


Consequently, WPC proceeded with an arrangement with ASI International to implement the iMIS100 Membership Management System, with development commencing in October 2015.

**MMS IMPLEMENTATION:** A system was developed with WPC data migration with the existing WPC Membership information transferred from excel spreadsheets into the new software, creating individual membership profiles, and 'groups' or 'communities' based on geographical locations. Providing a level of functionality not previously available.

The data transfer was successfully completed and all member profiles were created.

**PAYMENT GATEWAY:** a payment gateway was set up to enable members to pay annual subscriptions and fees via credit card online. This was necessary in order to move away from the existing PayPal system which was both difficult to use and manage.

After considerable effort and investigation caused by the unusual requirements of US dollar accounts transactions held in a Swiss bank etc., the iATS payments system was recommended and adopted



The WPC now has an account with OmniPay and iATS which will enable online credit card transactions for the membership through the website, with the first payments being successful

**MMS COMPLETION:** The membership website has been finalised and will act as the 'customer facing' side of the system. This will eventually be linked directly to the existing WPC website. The payment gateway is integrated and the accounting system has been activated for financial reporting purposes.

To prepare for the rollout, each membership account was manually issued a username and account contact. Once all accounts were set with contacts in place, a 'soft launch' was completed for all Australian members.

There were some very minor issues that were picked up, but were able to be rectified prior to the international launch.

Once it was confirmed that access was available and payments were being processed, the launch was then rolled out to all international members. A number of invoices have been paid online by international members, confirming the process and systems work as they should.

As members become more familiar with the system, it will become the primary point of contact for all membership communication and networking. The aim is to make membership to the WPC a simple and engaging process for all members around the world.

The first stage of the **WPD and WPC website updates** have been completed with hosting transferred to PICAC IT Support Provider (ASTA Solutions) successfully. This has enabled content management for both sites to be managed in a timely manner with regular updates being posted as requested.

The hosting transfer, issues with the related email addresses – for example [secretariat@worldplumbing.org](mailto:secretariat@worldplumbing.org) - have been resolved. By transferring the hosting to a more reliable connection, emails are now being sent and received without error. As a result, the Secretariat email no longer has to use the temporary [wpcsecretariat@gmail.com](mailto:wpcsecretariat@gmail.com) created to combat the issues.

There was also a concerning issue of virus and malware protection programs blocking access to the WPC site due to the detection of a virus attack. Since the initial sweep for malware and viruses performed by ASTA, there have been no more issues raised or instances of viruses to date.


By restructuring email capabilities and transferring the domain rights to a current WPC Board Member, it has enabled the WPC to streamline email communications, website maintenance and membership management.

#### **13.4 Marketing and Communications Committee**

No report was presented at this time

#### **13.5 World Plumbing Day Committee**

Allen Inlow reported that it should be a priority to ensure that World Plumbing Day is listed on calendars all over the world. He said that approaches to the UN Secretary General would continue to fall on deaf ears unless the majority of countries demonstrated support and that member organisations could/should write to their respective UN Ambassadors seeking their support to make this happen. He went on



to say that last year the United States Senate supported World Plumbing Day and this year President Obama distributed a World Plumbing Day message. He then spoke of the WPD International Poster Competition and its recent write up in the WPC review, circulating copies of the article, mentioning that the winners and prize recipients all came from the one school in Jamaica.

### **13.6 External Relations Committee**

The Chairman noted that there were two key pillars with respect to WPC's external relations which were;

- Messe Frankfurt as an exclusive industry member, with ISH trade fairs operating in Frankfurt, China and now India, with WPC using the opportunity to meet in association with ISH
- WHO important in demonstrating creditability of WPC and plumbing -

Dave Viola and Stuart Henry spoke briefly on the current status with WHO and a meeting being scheduled for November to consider opportunities for the Community Plumbing Challenge to work on medical/health care facilities in the provision of potable water and sanitation etc.

### **13.7 Research and Development Committee**

Mr. Kevin Wellman reported briefly on activities in this area and called on Peter DeMarco to provide a detailed report.

Mr. Peter DeMarco provided a detailed presentation to the meeting and reaffirmed the WPC Research Committee Co-Chairs as;

Prof. Lynne Jack – Heriot Watt University; Prof. Dr.-Ing. Mete Demiriz – Westfälische Hochschule, University of Applied Sciences; Dr. Steve Cummings – GWA Group (Caroma); Pete DeMarco – The IAPMO Group.

He then advised that;

- Membership – anyone will be allowed to access and input information into the database
- The Research Committee co-chairs have the ability to review and delete any content that is inappropriate
- Uses free and open source Wiki database application, as such, will only be as good as the users make it
- Can query database by research topic, researcher, organization, key words or research report titles
- Currently 107 registered users (Pending additions resulting from CIB W062 Conference)

He then went on to speak about the Drainline Transport of Solid Waste in Building Drains supported by PERC Members. Key points were;

Deliverable: Finding The “Tipping Point”, the tipping point lies within the 1.0 gpf data set.

PERC does not recommend 1.0 gpf in long drains.

Deliverable: Pipe Diameter, pipe diameter reduction does not reliably improve drainline transport in long building drains

He then addressed charts outlining the results of tests using toilet paper.

- Surface Plot for AFO High Tensile Strength Paper Data Only
- Surface Plot for AFO, Low Tensile Strength Paper Data Only

Additional Findings;

- Confirmed: Significance of Toilet Paper: *Toilet paper characteristics have the potential to drastically impact DLT distances*
- Toilet paper wet-tensile strength was the #1 significant variable in the combined PERC 1 and PERC 2 studies
- Confirmed: Satisfactory performance of 4.8 Lpf / 1.28 gpf HETs – led to WaterSense Specification
- Confirmed: The non-significance of toilet attributes in long drainlines

Supplemental Testing (PERC 2.1)

- PERC 2.1 – 2 Deliverables
- 1. Impact of dual flush discharge patterns on DLT
- Does a dual flush toilet provide the same DLT as a single flush toilet?
- Result: No. DLT is significantly diminished (~60 to 80% performance reduction in lab testing)
- 2. Impact of slope deviations on DLT
- Do slope deviations manifest more severely as flush volumes are reduced?
- Result: Yes. Interestingly, the biggest reduction in performance occurred between the 1.28 gpf and 1.0 gpf Flush Volumes, providing additional confirmation of the tipping point identified in Phase 2.0

He then spoke of further research work by ASPE / IAPMO / WQRF with respect to pipe sizing IAPMO's Dan Cole chaired research effort. The scope was residential only, utilizing database from AWWA REUW research. The White paper peer reviewed and published.

Task group led by Prof Steve Buchberger, University of Cincinnati (ASPE member). Code change proposals pending. statistical model has potential for commercial buildings, but no usage data currently available

The final part of his report addressed the Energy Efficiency Standardization Coordination Collaborative (EESCC), noting;

- Formed in 2012 as a cross-sector, neutral forum and focal point for coordination among energy efficiency activities involving or impacted by standardization.
- The goal of the collaborative is to guide, facilitate, and coordinate standardization activities to support greater energy and water efficiency in the United States
- More than 160 public- and private-sector experts from industry, federal agencies, SDOs, energy and water efficiency-focused orgs, and academia contributed to the EESCC's efforts.
- Initial roadmap report published in June, 2014
- Identified 109 standards based gaps related to energy and water efficiency. Downloaded over 2800 times



- Progress Report Update published in April, 2016. Provided updated on 71 of the 109 Standards based gaps from the roadmap
- Both the original roadmap and progress report are available for free download at [www.ansi.org/eesc](http://www.ansi.org/eesc)

Members expressed considerable interest in the work of PERC with respect to drainline performance, impact of toilet paper on drainline flow and pipe sizing issues.

### **13.8 Business Development Committee**

No report was provided at this time.

### **WPC 14/16 TO RECEIVE MEMBERS REPORTS**

The Chairman called for reports from members at the meeting.

The Chairman reported that the Indian Plumbing Association and Messe Frankfurt had agreed on creating 'ISH India powered by IPA' with the first event to be held in February 2017. He also noted that IPA, is holding a plumbing conference in Calcutta during November focusing on 'sustainable plumbing for a healthy society'.

Mr. Peter DeMarco spoke of a new initiative by the IAPMO Group being the creation of a philanthropic organization the International Water Sanitation and Hygiene Foundation (IWSH). He said the IWSH Foundation has a simple mission: to continuously work to improve on the human condition by fostering the basic human right of safe access to clean water and sanitation. IWSH strives to align our own efforts with those of government, industry and the communities where we work to ensure that the water systems are safe and sustainable. He invited members to view the website and consider joining the IWSH Foundation.

### **WPC 15/16 ANY OTHER BUSINESS**

Mr. John Joseph took the opportunity to congratulate the newly elected Chairman, Mr. Shayne La Combte indicating his appreciation at the opportunity to work with him and other WPC Executive Board Members over the 2016-2019 term.

He then thanked the outgoing Chairman Mr. Sudhakaran Nair for his term of service and unwavering commitment to WPC and the plumbing Industry. His sentiments and words of appreciation were supported by the meeting with acclamation.

### **WPC 16/16 NEXT MEETING**

The Chairman advised that it was proposed to hold the next meeting in Frankfurt, Germany in association with ISH on the 13<sup>th</sup> March 2017 (to be confirmed).

There being no further business, the Chairman thanked everybody for their attendance and contribution and closed the meeting.

Signed:

Mr. Sudhakaran Nair  
Chairman

Mr. Ken Gardner  
Meeting Secretary



