



The International Association for the Properties of Water and Steam

<http://www.iapws.org>

Power Cycle Chemistry Working Group (PCC WG)

DRAFT - Preliminary Schedule

Dresden, Germany. 11th September – 16th September 2016

<u>Sunday 11th Sept.</u>	19:00	Informal get-together and registration
<u>Monday 12th Sept.</u>	08:30	Opening Plenary Session - <u>Executive Committee</u>
	10:00	Coffee / Tea Break
	10:30	<u>PCC WG Meeting</u>
	1.	Agenda • Amendments / Adoption of Agenda • Week programme: Meetings, Joint Workshops and Task Groups
	2.	Appointment of Clerk of Minutes
	3.	Approval of Minutes of PCC WG in Stockholm, 2015
	4.	Progress Reports 2015/2016 and Future PCC Activities • Review of Actions from last PCC WG Meeting • International Collaboration
	5.	IAPWS TGD's – Status and future Development • Dooley → Status of Present and future TGD's • Addison → Practical Experiences with IAPWS TGD's
	12:00	Lunch
	13:30	<u>PCC WG Meeting</u>
		<u>Presentations</u>
		• <u>Paul McCann</u>: Experience with the application of film forming amine in the Uniper UK Connah's Quay CCGT power plant • <u>Ludwin Daal</u>: Applying film-forming amines and need for a guidance document from an independent view • <u>D. Lister</u>: Studies on Two-Phase FAC; Modelling and Effects of Amine Breakdown Products • <u>F.Dyachenko</u>: Use of FFAP at HRSG power plants in Russia • <u>T.Petrova</u>: Use of ODA at Russian power plants • <u>Sonja Vidojkovic</u>: Behavior of Film Forming Amines in Water/Steam Cycle of Power Generating Units



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16:00 PCC Task Group Meetings on TGD's – Lead B. Dooley

- HRSG High Pressure Evaporator Sampling for Internal Deposit Identification and Determining the Need to Chemical Clean
B. Dooley

- Corrosion product sampling for cycling plants
Addison → Update

Demineralized Make up water
Joy → Update / Status



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Power Cycle Chemistry Working Group (PCC WG)

Tuesday 13 Sept **08:30** **PCC WG meeting**

Presentations

- Karsten Normann Thomsen:
SIAPWS Water Chemistry Network
- Karsten Normann Thomsen:
SIAPWS & IAPWS collaborative test on corrosion product sampling
- David Addison:
Update on Iron Monitoring and Corrosion Product Sampling
- Nobuo Ishihara:
Water Chemistry Management Practices and Sampling Method of Japanese PWR Plants
- W. Cook:
Progress report and preliminary results from the intern. Collaboration project on boiler corrosion with mixed contaminants.

12:00 **Lunch**

13:30 **PCC/PCAS Joint WG Meeting and Workshop**

- Yoichi Wada:
Electrochemical Corrosion Potential (ECP) Monitoring in BWRs
- Andre Anderko:
Modeling actinide solution chemistry: Thermodynamic fundamentals for nuclear power industry
- David Addison:
Update on Geothermal Chemistry

15:30 **PCC Workshop / WG Task Group Meetings**

Wednes. 14 Sept. **09:00 – 13:30 IAPWS Symposium**

15:30 – 17:00 Technical Visit (DREWAG – Stadtwerke Dresden)



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Thursday 15 Sept. 08:30 PCC WG Meeting

Presentations

- Jörgen Peter Jensen:
Water chemistry issues when constructing a new add-on drum boiler to an existing USC boiler/turbine
- Hideo Hirano:
Overview of the Revision of JIS B 8223 “ Water Conditioning for Boiler Feed Water and Boiler Water
- Sho Shinotsuka:
High- AVT(LO) Water Treatment Application to Combined Cycle Plant
- Barry Dooley:
Update on Cooling Systems with AI-tubes and their application in supercritical plants
- Jörgen Peter Jensen:
Flue gas condensation – possible optimizations and makeup water production
- Ludwin Daal:
Watersavings for coal fired power plants – results of a literature search and operator opinions
- M.C.M. Bruijs:
Global experience optimizing cooling water systems through Pulse-Chlorination

12:00 Lunch

13:30 PCC WG Meeting

- ICRNs – Review and Possible New Additions
 - o # 22 PTZ
 - o # 29 Sampling
 - o # 26 Aluminum
- Discussion of Future PCC Activities and Task Groups
- PCC Public Relations
- Other Action List Items
- Priority List
- Changes in PCC Membership and Election of Officers
- Dates and venue for 2017 Meeting
- Miscellaneous and Adjournment

18:30 IAPWS Dinner/Banquet at “Paris Ballroom” Hilton Hotel Dresden

Friday 16th Sept. 09:00 Executive Meeting

13:00 Adjourn