AGENDA
for the International Conference on Film Forming Amines and Products
April 4 – 6, 2017, KKL Luzern

Tuesday, 4th April 2017

08:00  Registration and Welcome Coffee/Tea

08:45 – 09:15  Opening Remarks. Conference Sponsors, IAPWS TGDs and SCPWS
B. Dooley, Structural Integrity, UK, and M. Lendi, SWAN, Switzerland

Session 1

09:15 – 09:45  An OEM Perspective on Cycle Chemistry in an FFA World
F.-U. Leidich, J. Sperling, GE Power, Germany and A. Witney, GE Power, USA

09:45 – 10:15  Further Optimization of the Treatment of the Water-Chemistry Cycle of a Combined Cycle Plant Using a FFP
A. Verstraeten, Sloecentrale, The Netherlands

10:15 – 10:45  Morning Coffee/Tea within Exhibits

Session 2

10:45 – 11:15  Three Years Experiences with Film Forming Amines in ENGIE
C. Vanschepdael, M. Vermeersch, G. Riga, M. Kooistra and M.-L. Thielens, Engie Lab, Belgium

11:15 – 11:45  Film Forming Amine Product (FFAP) Application in Fertilizer Industry
L. Lensun, Helamin, France

11:45 – 12:15  Open Discussion Period

12:15 – 13:30  Working Lunch within Exhibits

Session 3

13:30 – 14:00  Analytics of Film Forming Amines – A Review
M. Lendi, SWAN, Switzerland

14:00 – 14:30  Washing and Preserving Turbines with Film-Forming Amines – Experiences in the Use of Octadecylamine (ODA)
R. Wagner and E. Czempik, REICON, Germany

14:30 – 15:00  Effect of Octadecylamine on Carbon Steel Corrosion and Magnetite Deposit Consolidation under PWR Secondary Side Ammonia Water Chemistry
E. Jäppinen, VTT Technical Research Centre of Finland, S. Järvimäki and M. Mäkinen, Fortum Ltd, Loviisa Power Plant, Finland, M. Bojinov, University of Chemical Technology and Metallurgy, Sofia, Bulgaria, and T. Saario and K. Sipilä, VTT Technical Research Centre of Finland

15:00 – 15:30  Afternoon Coffee/Tea within Exhibits
Session 4
15:30 – 16:00 The Effect of Boiler Conditions on the Thermolysis of Film Forming Amines
E. De Meyer and A. R. D. Verliefde, Ghent University, Belgium, and
W. Hater, Kurita Europe, Germany
16:00 – 16:30 Film-Forming Amine for Use in Industrial Boilers in Japan
S. Mori, Kurita Water Industries, Japan
16:30 – 17:00 Corrosion Mitigation of Steam Generators by Means of Octadecylamine
Micro-injection into Secondary System
A. Kukushkin, VNIIAM, Russia, V. Omelchuk, Kola NPP, Russia,
V. Yurmanov, NIKIET, Russia, and E. Chempik, REICON, Germany
17:00 – 17:30 Considerations for Film Forming Amine and Film Forming Product Use in
the Secondary System of Nuclear Power Plants: Roadmap to an IAPWS
Technical Guidance Document
W. Cook and D. Lister, University of New Brunswick, Canada,
C. Stuart, CNL, Chalk River, Canada and S. Uchida, JAEA, Japan.
18:45 Evening Social Event

Wednesday, 5th April 2017

08:00 Opening Coffee/Tea and Remarks

Session 5
08:30 – 09:00 Critical Aspects and Questions with Respect to the Application of FFA / FFAP
M. Rziha, Siemens, Germany
09:00 – 09:30 Monitoring and Controlling Film Forming Amines and Film Forming Amine
Products by On-Line Ion Chromatography and Other On-Line Methods for
Steam Cycle Management
E. Lemon, Metrohm, The Netherlands
09:30 – 10:00 Experience in Corrosion Reduction Using a FFP at a Coal-Fired Plant
G. Hoffman, PacifiCorp, Utah, USA, and A. Banweg, Nalco, Illinois, USA
10:00 – 10:30 Morning Coffee/Tea within Exhibits

Session 6
10:30 – 11:00 Experience with the Application of Film Forming Amine in the Connah’s
Quay Triple Stage CCGT Power Plant Operating in Cycling Mode
W. Hater, Kurita Europe, Germany,
P. McCann and B. Smith, Uniper Technologies, UK, and
A. de Bache, Kurita Europe, Germany
11:00 – 11:30 The Sorption Behaviour of a Film Forming Amine and Its Effect on
Flow-Accelerated Corrosion (FAC)
S. Weerakul and D. H. Lister, University of New Brunswick, Canada,
and W. Hater, Kurita Europe, Germany
11:30 – 12:00 Open Discussion Period
12:00 – 13:30 Working Lunch within Exhibits
Session 7
13:30 – 14:00  A Pathway to Application of Filming Amines in PWRs
   K. Fruzzetti, S. Choi, S. Shulder and M. Caravaggio, EPRI, USA,
   and M. Kreider and C. Marks, Dominion Engineering, Inc., USA
14:00 – 14:30  FFAP Applications in EAEU: Questionable Results
   F. Dyachenko, Aminotek, Moscow, Russia
14:30 – 15:00  Potential Film Forming Amine and Film Forming Products Theoretical
   Applications in Direct Contact Geothermal Power Plants – Analysis
   of Available Data
   D. Addison, Thermal Chemistry Limited, New Zealand, and
   I. Richardson, Mercury Energy, New Zealand
15:00 – 15:30  Afternoon Coffee/Tea within Exhibits

Session 8
15:30 – 16:00  Comparison between the Use of Conventional Reducing All-Volatile
   Treatment and Film Forming Amine Treatment for Cycle Chemistry
   Operation on 8.4 MPa Drum Boiler Units
   S. Sulliman and S. Marais, Eskom Holdings, South Africa
16:00 – 16:30  Film-Forming Product Application at a Combined Cycle Power Plant
   A. Howell, Xcel Energy, USA
16:30 – 17:00  Control of Fouling and Corrosion by Polyamine in Distillation Systems
   and Low Pressure Boilers (with Oil-Contaminated Feedwater)
   M. Nasiroleslami, Energy Chemical Company, Iran
17:00 – 17:15  Open Discussion Period

Thursday, 6th April 2017
08:00  Opening Coffee/Tea and Remarks

Session 9
08:30 – 09:00  The Application of a Film Forming Amine Product at Two Power Plants
   – Detailed Industry Case Studies
   L. Carvalho, L. Harmon and T. Freund, ChemTreat, USA.
09:00 – 09:30  On-Line Analysis of Oleyldiamine in the Water/Steam Cycle
   of Industrial Power Plants
   W. Hater, Kurita Europe, Germany, and P. Izquierdo, Kurita Iberica, Spain
09:30 – 10:00  Nature, Behavior and Application of Film Forming Amines in
   Power Plant Water/Steam Cycle
   S. Vidojkovic, University of Belgrade, Belgrade, Serbia and
   M. Mijajlovic, University of Nis, Nis, Serbia
10:00 – 10:30  Morning Coffee/Tea within Exhibits
Session 10

10:30 – 11:00  The Impact of Amines on Direct Measurements of Chloride and Sulfate  
K. Buecher, Mettler-Toledo Thornton, USA

11:00 – 11:30  The Effect of Film Forming Amines on Steam Turbine Efficiency  
B. Dooley, Structural Integrity, UK, R. Svoboda, Switzerland, and  
T. Petrova, Moscow Power Engineering Institute, Moscow, Russia

11:30 – 12:00  Polyamine Technology for Advanced Steam Cycle Corrosion Protection  
T. Dale, GE Power, Switzerland

12:00 – 12:30  Final Discussion Period and Concluding Remarks  
B. Dooley, Structural Integrity, UK, and  
M. Lendi, SWAN, Switzerland

12:30  Lunch
13:30  End of Conference

Steering Committee:

- Barry Dooley  
  Conference Chairman  
  Structural Integrity Associates

- Michael Rziha  
  Siemens AG Energy Solutions

- Frank-Udo Leidich  
  GE Power

- Paul McCann  
  Uniper Technologies Limited

- Ladi Bursik  
  BHT GmbH

- Marco Lendi  
  SWAN Analytische Instrumente AG

- Tapio Werder  
  PowerPlant Chemistry Journal

For more information about the programme, please contact the Conference Chairman, Barry Dooley, BDooley@Structint.com