



WM2014 Errata Sheet for Final Program As of March 13, 2014

Monday AM – March 3, 2014

Session 6:

- **Change in Order of Presenting Panelists:** New Order – Anthony Umek, *Fluor Government Group*; Mike Williams, *Luminant Power*; Grover Hettel, *Energy-Northwest*, John McDonald, *Washington River Protection Solutions*

Session 10:

- **Session Co-Chair Change:** Catherine Alexander, US DOE; will be replaced by Co-Chair Andrew (Drew) Fellingner, Savannah River National Laboratory

Session 12:

- **Paper Moved to Poster:** Paper #14109 “Automation of Planning, Scheduling, and Tracking of Groundwater Monitoring Sampling and Analysis Requirements at the Hanford Site, Richland Washington” transferred to Session 98.
- **Paper Withdrawn:** Paper #14440 “Hanford Tank Farms Double-Shell Tank Space Challenges and Initiatives” Paul Cavanah, Nick Kirch, *Washington River Protection Solutions*; Amy Ramsey, *AEM Consulting*

Monday PM – March 3, 2014

Session 13:

- **Paper Withdrawn:** Paper #14270 “Evolving Final Disposal Technology and Its Sociotechnical Challenges: Development of Canister Design and the Related Copper Corrosion Debate between 1978 and 2012”
- **Panelist Presenter Change:** Paper #14494 Tiina Jalonen will be representing Reijo Sundell, Posiva OY (Finland)
- **Added Panelists Presenter:** Vesa Jalonen, Eurajoki Municipality (Finland)

Session 14:

- **Session Co-Chair Change:** Betsy Forinash, US EPA will be replaced by Gerald Ouzounian, Andra

Session 15

- **Session Co-Chair Change:** Ray Clark, US EPA will be replaced by new Co-Chair Betsy Forinash, US EPA

- **Panelist Cancellation:** Alexander Kim, Atomic Energy Committee

Session 16

- **Panelist Cancellation:** Alexander Akleyev, Urals Research Center for Radiation Medicine (Russia)
- **Session Co-Chair Change:** Ray Clark, US EPA will be replaced by Betsy Forinash, US EPA

Session 18:

- **Session Co-Chair Changes:** Colleen Owens, Denuke Contracting Services, Inc. will be replaced by Walter Josephson, WorleyParsons Polestar

Session 19:

- **Presenter Change:** Paper #14562 Ian Crabbe, James Fisher Nuclear Ltd. will be replaced by Geoff Ashworth, James Fisher Nuclear Ltd.

Session 20:

- **Add Additional Panelist:** Claudio Pescatore, Principal Administrator, Radioactive Waste Management and Decommissioning, OECD Nuclear Energy Agency (NEA), (France)
- **Session Co-Chair Change:** Al Freitag, Mitsubishi Nuclear Energy Systems will be replaced by Rateb Abu Eid, US NRC

Session 22:

- **Presenter Change:** Paper #14020, Denis Fedorov, SIA Radon will be replaced by Dmitry Adamovich, FSUE Radon

Session 23:

- **Paper Transferred out of Session:** Paper #14058 Transferred to Session 75 "EPA's Confirmatory PA Analysis of DOE's Proposed Run-Of-Mine Salt Panel Closure System for the WIPP" Kathleen Economy

Session 24:

- **Panelist Change:** J.R. Stroble, US DOE will be replaced by Tom Morgan, US DOE

Session 25:

- **Panelist Cancellation:** Karen Reed, US DOE

Session 26:

- **Presenter Change:** Paper #14499, Magnus Holmqvist, SKB International AB (Sweden) will be replaced by Ann McCall, SKB International AB (Sweden)
- **Presenter Change:** Paper #14106, Ludivine Gilli, IRSN will be replaced by Francois Marsal, IRSN

Session 27:

- **Add Additonal Co-Author(s):** Paper #14302, Temeka Taplin, US DOE/NNSA
- **Title Change:** Paper #14302, New Title:"Commercial Sealed Source Disposal in the US: Progress, Challenges, and Areas for Further Assessment"

- **Paper Order Adjustment:** Paper #14666 and Paper #14240 will be moved to the 8th (14666) and 9th (14240) slots.
- **Presenter Change:** Paper #14240 Ryan Maitland, Office for Nuclear Regulation will be replaced by Chris Fisher, Office for Nuclear Regulation
- **Presenter Change:** Paper #14302 Abigail Cuthbertson, US DOE will be replaced by Temeka Taplin, US DOE

Session 29B:

- **Additional Panel Reporter:** Sandra Fairchild, Savannah River Remediation

Session 30A:

- **Session Co-Chair Change:** Jonathan Bricker, Savannah River Remediation will be replaced by Azi Samadi, Savannah River Remediation

Session 31:

- **New Paper Added:** Paper #14700 “Assessment of Gamma Spectrometry in HPGe Detectors Using MCNP4c Corrections for Dead Layer of Germanium Crystal”
- **New Paper Added:** Paper #14703 “The Development of an Acoustic Backscatter System to Characterize Sludge and Suspension Systems *In Situ*” – Jaiyana Bux, Timothy N. Hunter, Jeffery Peakell, Simon Biggs

Tuesday AM – March 4, 2014

Session 34:

- **Panelist Cancellation:** Farok Sharif, Nuclear Waste Partnership, LLC
- **Panelists Name Change:** Pamela Horning is now Pamela A. Marks
- **Session Co-Chair Change:** Bill Shingler, Fluor Government Group and John Longenecker, Longenecker & Associates will be replaced by Tony Umek, Fluor Corporation

Session 35:

- **Session Co-Chair Change:** Ryan Maitland, Office for Nuclear Regulation will be replaced by new Co-Chair Chris Fisher, Office for Nuclear Regulation
- **Session Co-Chair Change:** Ray Clark, US EPA will be replaced by Betsy Forinash, US EPA
- **Panelist Change:** Scott Oxenford, Bechtel National, Inc. will be replaced by Melinda d’Ouille, Bechtel National, Inc.
- **Panelist Change:** James Hutton, US DOE will be replaced by Julie Goeckner, US DOE
- **Panelist Cancellation:** Peter Elder, Canadian Nuclear Safety Commission

Session 37:

- **Presenter Change:** Paper #14287, David Herman, Savannah River National Laboratory will be replaced by William Wilmarth, Savannah River National Laboratory

Session 38:

- **Add Additional Co-Author(s):** Paper #14003, Curtis Keener, Katherine Mejias, and Daniel Smith, Shaw AREVA MOX Services LLC

Session 40:

- **Paper Withdrawn:** Paper #14419, Title: “Effects of Age and Differential Settlement on Composite Barrier Components in a Landfill Final Cover”

Session 41:

- **Paper Withdrawn:** Paper #14561, “Containment Preparations for Reactor Internals and Vessel Segmentation for Unit 1 vs. Unit 2 to Support the Early Start of Unit 1 Reactor Internals Segmentation Activities for Zion Station”

Session 43:

- **Session Co-Chair Change:** Andrew Martin, NAGRA (Switzerland) will be replaced by Ming Zhang, Geological Survey of Japan, AIST (Japan)

Session 45:

- **Panelist Cancellation:** Monica Mwanje, DBD Limited
- **Panelist Change:** Kathryn Huff, University of Berkeley, will be replaced with Denia Djokic, University of Berkeley

Session 46A:

- **Paper Withdrawn:** Paper #14624, “Common Immobilization of High Concentration Sodium Hydroxide Solutions Product of Sodium Coolant Processing and LRW Saturated NOCHAR Polymers into Geocement Matrix at the BN-350 Nuclear Power Plant in Aktau, Kazakhstan”
- **Title Change:** Paper #14662, New Title: “Waste Processing Using WCATS with Its Underlying Task-Based Architecture”

Session 46B:

- **Paper Transfer:** Paper # 46B Title: “Microbially Induced Corrosion of Carbon Steel and Stainless Steel in Alkaline Ground Water - Composition and Metabolic Functionality of Biofilm” will be presented in Session 91
- **Session Co-Chair Change:** Colleen Owens, DeNuke Contracting Services, Inc. will be replaced by Walter Josephson, WorleyParsons Polestar

Session 47:

- **Presenter Change:** Paper #14081, Savkin Alexander, SIA Radon will be replaced by Dmirty Adamovich, SIA Radon
- **Additional Co-Author:** Paper #14570, Vitaly Fomenko, ECOMET-S

Session 48:

- **Paper Withdrawn:** Paper# 14057 “Enhancing Safety and Security in Transport of Radioactive Material-Romanian Experience”

Tuesday PM – March 4, 2014

Session 49:

- **Panelist Change:** Michael Graham, Bechtel National Inc. will be replaced by Peggy McCullough, Bechtel National Inc.

Session 51:

- **Panelist Cancellation:** Donna Governor, Lawrence Livermore National Laboratory, Tracy Heidelberg, Business Management WG
- **Add Additional Panelist:** Paul Henry, Los Alamos National Laboratory
- **Panelist Change:** Bill Shingler, Fluor Government Group will be replaced by Joe Yanek, Fluor Government Group

Session 54:

- **Panelist Change:** Troy Eshleman, EnergySolutions will be replaced by James Harris, EnergySolutions

Session 56:

- **Panelist Presenter Change:** Dough Hatch, MHF Services will be replaced by Mike Lewis, QA Manager, Container Products Corporation

Session 58:

- **Paper Withdrawn:** Paper #14275, “Three-Dimensional Geological and Geomechanical Modelling of a Repository for Waste Disposal in Deep Rock Salt Formations”

Session 59:

- **Paper Withdrawn:** Paper #14660 “Update on Integrated Waste Treatment Unit (IWTU) Testing and Readiness for Start-Up”

Session 62:

- **Add Additional Co-Author(s):** Paper #14204, Kathy Nelson, Idaho State University
- **Session Co-Chair Change:** Kim Auclair, KD Auclair & Associates, LLC will be replaced by Guenter Hillebrand, Nuclear Engineering Seibersdorf GmbH
- Shilo McCrory, Idaho State University is no longer a co-author in Paper #14204

Session 63:

- **Presenter Change:** Paper #14360, Joe Sears, RJ Lee Group, Inc. will be replaced by Larry Lockrem, L & L GeoChemical Services, LLC

Session 65C:

- **Additional Co-Author:** Paper #14034, Mirzoshokir Khojiyon, SE “Vostokredmet”

Session 67:

- **Session Co-Chair Change:** Kim Auclair, KD Auclair & Associates, LLC will be replaced by Guenter Hillebrand, Nuclear Engineering Seibersdorf GmbH

Wednesday AM – March 5, 2014

Session 68:

- **Panelist Name Adjustment:** Kenneth Reuter is supposed to be Kenneth Rueter
- **Panelist Cancellation:** Reggie James, US DOE

Session 69:

- **Panelist Change:** Ed Wannemacher, B&W Technical Services Group will be replaced by Chuck Bernhard, B&W Technical Services Group
- **Panelist Change:** Tracy Heidelberg, Fluor – B&W Portsmouth, LLC will be replaced by Joe Yanek, FLUOR Government Group

Session 70A:

- **Session Co-Chair Change:** Joe Franco, US DOE will be replaced by Dana Bryson, US DOE
- **Session Co-Chair Change:** Dana Bryson, US DOE will be replaced by Roger Nelson, US DOE

Session 70B:

- **Panelist Name Adjustment:** Rogerio Pimenta Murao is supposed to be Rogerio Pimenta Mourao
- **Panelist Cancellation:** Denis Egorov, Unified State RW Management System Development; Nikita Medyantsev, International & Public Organization Centre; and Alan Carolissen, South Africa Nuclear Energy Corp.
- **Add Additional Panelist:** Ann McCall, SKB International AB (Sweden)

Session 71:

- **Add Additional Panelists:** Oleg Mansurov, Executive Director of the Nuclear Facility Decommissioning Association, AVERO (Russia)
- **Session Co-Chair Change:** Christine Gelles will be replaced by James (Jamie) Joyce
- **Session Co-Chair Change:** Evgeny Kudryavstev will be replaced by Con Lyras

Session 72:

- **Panelist Cancellation:** John Greeves, Talisman International

Session 73:

- **Panelist Change:** Bob Dodge, Los Alamos National Laboratory will be replaced by Steve Singledecker, Los Alamos National Laboratory
- **Panelist Change:** Bruno Zovi, Idaho Treatment Group will be replaced by Mike Auble, AMWTP - Idaho Treatment Group

Session 74:

- **Paper Order Adjustment:** Paper were presented in the following order: 14433, 14171, 14600, 14291, 14176, 14446
- **Presenter Change:** Paper #14600, Alejandro Lopez, AMEC will be replaced by Heath Downey, AMEC
- **Paper Withdrawn:** Paper #14390, Title: "Continuous Improvements of Analytical Waste Management Activities at the Hanford Site, Mission Support Alliance, Waste Sampling and Characterization Facility Laboratory"

Session 75:

- **Paper Withdrawn:** Paper #14584, Title: "Alternative Defense Waste Repository Concepts"
- **Session Co-Chair Change:** Christine Gelles, US DOE will be replaced by new Co-Chair Nancy Buschman, US DOE

- **Paper Transferred into Session:** Paper #14058, Title: "EPA's Confirmatory PA Analysis of DOE's Proposed Run-Of-Mine Salt Panel Closure System for the WIPP", transferred from Session 23
- **Additional Paper:** Paper #14475, Title: "Fourteen Years of Experience at the French Underground Research Laboratory in Bure... and Now What Use for the Cigéo Project?"
- **Presenter Change:** Paper #14563, William Nut, Argonne National Laboratory will be replaced by Travis Mui, University of Illinois - Urbana-Champaign

Session 76:

- **Presenter Change:** Paper #14143 Steve Kouba, URS Professional Solutions will be replaced by Karen Day, URS Corporation
- **Presenter Change:** Paper #14665 Daniel Pancake, ANTECH / Argonne National Laboratory will be replaced by Cynthia Rock, Argonne National Laboratory

Session 80:

- **Presenter Change:** Paper #14021, John Morse, US DOE will be replaced by Mark Byrnes, CH2M HILL
- **Presenter Change:** Paper #14202, Dean Neshem, CH2M HILL PRC will be replaced by Mark Byrnes, CH2M HILL
- **Presenter Change:** Paper #14351, Brady Lee, PNNL will be replaced by Michelle (Hope) Lee, PNNL
- **Session Co-Chair Change:** Briant Charboneau, US DOE will be replaced by Skip Chamberlain, US DOE

Session 82:

- **Change in Order of Presenting Panelist: Panel #1** – Jeff Mousseau, LANL; Ryan Flynn, New Mexico Environmental Department (NMED); Joe Franco, US DOE – CBFO; James Malmo, US DOE – ID; Rod Blatzer, Waste Control Specialists (WCS)
Panel #2 – Dan Cox, LANL; Frank Marcinowski, US DOE EM; Michael Graham, Bechtel National; Miles Smith, EngerySolutions; Davie Nikless, LANL

Session 81B:

- **Paper Withdrawn:** Paper #14284 "Radiation Impact During the Melting of Radioactive Scrap Metal Arisen from the Decommissioning of Nuclear Facilities"

Wednesday PM – March 5, 2014

Session 83:

- **Panelist Name Adjustment:** Christopher McKenny is supposed to be Christopher McKenney

Session 84:

- **Session Co-Chair Change:** Kazuhiro Suzuki, International Research Institute for Nuclear Decommissioning will be replaced by Jeannette Hyatt, Savannah River National Laboratory

Session 85:

- **Panelists Cancellation:** Mike Kavanaugh, Geosyntec
- **Panelists Cancellation:** Deborah Morefield, US DOD
- **Add Additional Panelist:** Bill Levitan, US DOE

Session 86:

- **Session Co-Chair Change:** Kim Auclair, KD Auclair & Associates, LLC will be replaced by Ming Zhu, US DOE

Session 87:

- **Presenter Change:** Paper #14366, Briant Charboneau, US DOE will be replaced by Jon Peschong, US DOE
- **Paper Withdrawn:** Paper #14455, Title: "Monitoring the Contamination in the Area Contaminated by the Fukushima Daiichi NPP Accident and Sorting of the Contaminated Soil"
- **Session Co-Chair Change:** Dale Bignell, Portage Inc. will be replaced by Chuck Vandergraaf, Consultant

Session 89:

- **Session Co-Chair Change:** Mark Lewis, EnergySolutions will be replaced by Coleman Clint Miller, Pacific Glass & Electric

Session 91:

- **Add Additional Co-Author(s):** Paper #14004, Russell Anderson, Ryan Lee, and Shohre Mahdi, Ontario Power Generation Inc.
- **Paper Added:** Paper # 14391 Title: "Microbially Induced Corrosion of Carbon Steel and Stainless Steel in Alkaline Ground Water - Composition and Metabolic Functionality of Biofilm"

Session 93:

- **Presenter Change:** Paper #14041, Catherine Shelton, AREVA will be replaced by William Bracey, AREVA
- **Presenter Change:** Paper #14461 David Bland, TriVis Inc. will be replaced by Jennifer Gamble, TriVis Inc.
- **Title Change:** Paper #14578, New Title: "Single Storage Canister to Solution and Experience in Responsible Spent Fuel Management"
- **Paper Withdrawn:** Paper #14422, title: "Development of Vibrational Sum Frequency Spectroscopy for Nanoscale Investigation of Corrosion in Humid Environment"

Session 94:

- **Paper Withdrawn:** Paper #14417 "Run of Mine (ROM) Salt for Gamma Shielding of Remote Handled (RH) Transuranic (TRU) Waste Emplaced on the Repository Floor at the Waste Isolation Pilot Plant (WIPP) to Augment Existing Borehole Emplacement Capacity" has been withdrawn

Session 96B:

- **Presenter Change:** Paper #14448, Greg Shott, National Security Technologies, LLC will be replaced by Jhon Carilli, US DOE
- **Paper Withdrawn:** Paper #14417, Title: "Run of Mine (ROM) Salt for Gamma Shielding of Remote Handled (RH) Transuranic (TRU) Waste Emplaced on the Repository Floor at the Waste Isolation Pilot Plant (WIPP) to Augment Existing Borehole Emplacement Capacity"

Session 97:

- **Presenter Change:** Paper #14648 Gerard Bruno, IAEA will be replaced by Monika Kinker, IAEA

Session 98:

- **Paper Withdrawn:** Paper #14671 “Mobile Application For Collection of Environmental Data”
- **Paper Moved from Oral to Poster:** Paper #14109 Title: Automation of Planning, Scheduling, and Tracking of Groundwater Monitoring Sampling and Analysis Requirements at the Hanford Site, Richland Washington
- **Paper Withdraw:** Paper #14497 “Chemical Waste Water Clean-Up and Fission Product Sorption and Removal Studies on (Salt)Watered Soil- A Fukushima Related Study on Loss of Coolant Accidents
- **Additional Paper Added:** Paper #14702 “Chemical Decontamination”
Additional Paper Added: Paper #14704 “Hierarchical Testing with Automated Document Generation for Amanzi ASCEM's Subsurface Flow and Reactive Transport Simulator”

Thursday AM – March 6, 2014

Session 99:

- **Panelist Cancellation:** Jeff Miller, US Embassy Tokyo

Session 100:

- **Panelists Cancellation:** Carmelo Meldez, US DOE
- **Panelists Cancellation:** Heather Cloar, US DOE

Session 103:

- **Session Co-Chair Change:** Ray Clark, US EPA will be replaced by new Co-Chair Betsy Forinash, US EPA

Session 104:

- **Panelists change: Presenters include:** **Scott Loveless**, Y-12; **Mark Duff**, Project Manager; LATA Environmental Services of KY; **Craig Rieman**; **Dean Lobdell**; **Ty Blackford**, CH2M Hill Plateau Remediation Company; **Scott Saunders**, Washington River Protection Solutions; **Scott Anderson**, UCOR/ETTP; **Kathryn Johns-Hughs**, Los Alamos National Laboratory; **Steve Singledecker**, ; **John Gilmour**, Savannah River Nuclear Solutions; **Bob Petras**; **Jeannette Hyatt**, Senior Technical Advisor, Savannah River National Laboratory; **Danny Nichols**, ; **Sydney Gordon**, National Security Technologies, LLC;

Session 105:

- **Paper Withdrawn:** Paper #14037, “Italian Nuclear Technology Park”
- **Session Co-Chair Change:** Wolfgang Steinwarz, Siempelkamp Nukleartechnik GmbH will be replaced by Clint Miller, Pacific Gas & Electric

Session 108:

- **Presenter Change:** David Glasgow, Oak Ridge National Laboratory will be replaced by Andrew Szilagyi, US DOE

Session 109:

- **Presenter Change:** Paper #14594, Maria Lindberg, Studsvik Nuclear AB, Sweden will be replaced by Myrian Wood, National Nuclear Laboratory, UK

Session 110:

- **Presenter Change:** Paper #14373, Heath Downey, AMEC will be replaced by Jeffrey Lively, AMEC

Thursday PM – March 6, 2014

Session 112:

- **Add Additional Panelist:** Jim McIlvaine, Chesapeake Nuclear Services (USA)
- **Panel Reporter Change:** John Greeves, Talisman International will be replaced by Rateb Abu-Eid, US NRC

Session 113:

- **Add Additional Panelists:** Paul Degnan, IAEA, (Austria)

Session 115:

- **Presenter Change:** Paper #14307, Gene Ramsey, Washington River Protection Solutions will be replaced by Martin Wheeler, Washington River Protection Solutions
- **Session Co-Chair Cancellation:** Karthik Subramanian, Washington River Protection Solutions

Session 116:

- **Paper Withdrawn:** Paper #14217, “Hanford Site Tank Waste Classification”

Session 117:

- **Add Additional Co-Author(s)/Presenter Change:** Paper #14312, James (Jim) Rush, Savannah River Remediation, LLC / will replace Andrew Tisler, Savannah River Remediation, LLC

Session 121:

- **Presenter Change:** Paper #14144, Anthony Roner, AECOM will be replaced by Marc Jeanson, AECOM

Session 122:

- **Paper Added:** Paper #14607 Title: The DOE-FIU Cooperative Agreement – Addressing DOE-EM’s Technical Challenges
- **Presenter Change:** Paper #14027, Patricia Paviet, US DOE will be replaced by Berta Oates, Portage, Inc.

Session 126:

- **Presenter Change:** Paper #14292, Charles Hostetler, Elkhart Environmental, LCC will be replaced by new presenter Margaret Preston, Shea Nelson, Leidos