<table>
<thead>
<tr>
<th>Title</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revisions to US EPA Superfund Risk and Dose Assessment Models and Guidance</td>
<td>13403</td>
</tr>
<tr>
<td>Architectural Framework for Addressing Legacy Waste from the Cold War</td>
<td>13611</td>
</tr>
<tr>
<td>Benchmarking the New RESRAD-OFFSITE Source Term Model with DUST-MS and GoldSim</td>
<td>13377</td>
</tr>
<tr>
<td>Cementitious Barriers Partnership (CBP): Training and Release of CBP Toolbox Software, Version 1.0</td>
<td>13480</td>
</tr>
<tr>
<td>Identification of Mission Sensitivities with Mission Modeling from the One System Organization at Hanford</td>
<td>13292</td>
</tr>
<tr>
<td>Safety Assessment for VLLW Disposal at the National Radioactive Waste Repository Mochovce in Slovakia</td>
<td>13508</td>
</tr>
<tr>
<td>Cementitious Barriers Partnership (CBP): Training and Release of CBP Toolbox Software, Version 1.0</td>
<td>13377</td>
</tr>
<tr>
<td>Development of Stable Solidification Method for Insoluble Ferrocyanides</td>
<td>13170</td>
</tr>
<tr>
<td>Evaluation of Adsorption Properties for Cs and Sr Selective Adsorbents</td>
<td>13171</td>
</tr>
<tr>
<td>Radiochemical Separation and Quantification of Tritium in Metallic Radwastes Generated from CANDU Type NPP</td>
<td>13279</td>
</tr>
<tr>
<td>Development of Zeolite Nonwoven for the Adsorption of Radioactive Cesium</td>
<td>13288</td>
</tr>
<tr>
<td>Periodic Verification of the Sealing Factor for Radwastes in Korean NPPs</td>
<td>13294</td>
</tr>
<tr>
<td>Study on Volatility of Cesium in Dry Ashing Pretreatment and Dissolution of Ash by Microwave Digestion System</td>
<td>13331</td>
</tr>
<tr>
<td>Determination of Iodine-129 in Low Level Radioactive Wastes</td>
<td>13334</td>
</tr>
<tr>
<td>The Radioactivity Characteristics of the NPP Charcoal Sample Contaminated by Carbon-14</td>
<td>13531</td>
</tr>
<tr>
<td>Evaluation of Resin Dissolution Using an Advanced Oxidation Process</td>
<td>13241</td>
</tr>
<tr>
<td>Extended Sleeve Products Allow Control and Monitoring of Process Fluid Flows Inside Shielding, Behind Walls and Beneath Floors</td>
<td>13641</td>
</tr>
<tr>
<td>Preparation of the Second Shipment of Spent Nuclear Fuel from the Ustav Jaderneho Vyzkumu Rez (UJV Rez), Czech Republic to the Russian Federation for Reprocessing</td>
<td>13478</td>
</tr>
<tr>
<td>Study on Shielding Requirements for Radioactive Wastes Transportation in a Mo-99 Production Plant</td>
<td>13382</td>
</tr>
<tr>
<td>Dynamic Impact Analyses and Tests of Concrete Overpacks</td>
<td>13638</td>
</tr>
<tr>
<td>The Underwater Spectrometric System Based on CZT Detector for Survey of the Bottom of MR Reactor Pool</td>
<td>13461</td>
</tr>
<tr>
<td>Radiological Control of Water in Reactor Pond of MR Reactor in NRC &quot;Kurchatov Institute&quot;, During Dismantling Work</td>
<td>13642</td>
</tr>
<tr>
<td>New Remote Method for Estimation of Contamination Levels of Reactor Equipment</td>
<td>13175</td>
</tr>
<tr>
<td>Dismantling of Loop-Type Channel Equipment of MR Reactor in NRC &quot;Kurchatov Institute&quot;</td>
<td>13040</td>
</tr>
</tbody>
</table>
D&D: Dismantling and Release of Large Components at the GNS Premises in Duisburg on the Example of a CASTOR SI Container - 13536
Frank Ambos, Steffen Oehmigen

The Regulatory Challenges of Decommissioning Nuclear Power Plants in Korea - 13101
Jung Joon Lee, Sangmyun Ahn, Kyung-Woo Choi, Juhyun Kim

Analysis of Alternatives for Dismantling of the Equipment in Building 117/1 at Ignalina NPP - 13278
Gimantas Povilas, Povilas Povilas, Audrius Simionis

SESSION 080D - D&D TECHNOLOGY

Decontamination Process of Internal Part of Pipes - 13442
Fabrice Moggia, Xavier Lader, Olivia Scot, Philippe Cabanillas, Gilles Marcia, Frederique Dumenard

Dismantling of the 904 Cell at the HAO/Sud Facility - 13466
Claire-Emilie Vaudey, Marjorie Renuitf, Laure Pinot, Stéphane Crosnier, Nicolas Gaspard

Decommissioning and Dismantling of the Floating Maintenance Base ‘Lepse’ - 13316
David Field, Ken Mhrn

Sharing Experiences within AREVA D&D Project Portfolio: 4 Illustrations - 13049
Joan-Michel Chabouf, Thierry Vare

The Role of Gamma-ray Imaging in Performing Radiological Characterisation at the Magnox Storage Ponds at the Bradwell Decommissioning Site - 13628
Karl Hughes, Tracey Shaw

SESSION 081 - UK/USA PARTNERING ACROSS THE POND - ACCOMPLISHMENTS AND LESSONS LEARNED

Session 81 Panel Report - N/A

EM International Program
Rosa Elmetti Ramirez

US DOE / UK NDA Bilateral Agreement
Laurie Judd, Rosa Elmetti, John Mathieson, Graham Jonsson

SESSION 082 - CONTRACT TRANSITION: INITIATING THE FINAL CONTRACT TO ACHIEVE THE DOUNREAY INTERIM END STATE

Session 82 Panel Report - N/A

Transition & Consolidation Phase Implementation to Achieve the Interim End State at the Dounreay Site
Craig Brown

Reflections on Dounreay Competition and One Year’s Operation of the New Contract
John Laves

Proportionate Regulation for the UK’s First Major Site Closure Contract
Ryan Maitland

SESSION 083 - WORLDWIDE PERSPECTIVES OF RADIOACTIVE WASTE MANAGEMENT - CHALLENGES AND SOLUTIONS

Overview of the Government of Canada Nuclear Legacy Liabilities Program - 13551
Doug McRae, Dave McCauley, Joan Miller, Sheila Brooks

Sub-Seabed Repository for Nuclear Waste - A Strategic Alternative - 13102
Keith McAlister

Blue Ribbon Commission, Yucca Mountain Closure, Court Actions - Future of Decommissioned Reactors, Operating Reactors and Nuclear Power - 13249

Jan Deegan

Industrial Program of Waste Management - Cigéo Project - 13033
Marc Bezu, Olivier Bertagnon, Laurent Gagner, Thierry Advocat, Pablo Sacristan, Stephane Beguin

Preliminary Safety Analysis of the Gorleben Site: Safety Concept and Application to Scenario Development Based on a Site-Specific Features, Events and Processes (FEP) Database - 13304
Jörg Monig, Thomas Beuth, Jens Wolf, André Lommerzheim, Sabine Mmgalla

The US DOE-EM International Program - 13004
Rosa Elmetti Ramirez, Alice Williams, Ana Han

Radioactive Waste Management at the New Conversion Facility of TVEL Fuel Company - 13474
Vasilii Tsin, Konstantin Tsvilen, Evgeniy Faleeva, Sergey Indyk, Alexander Yolosnko

The Management of the Radioactive Waste Generated by Cernavoda NPP, Romania, an Example of International Cooperation - 13449
Gheorghe Bararin
SESSION 084 - WM ENERGY FACILITIES CONTRACTOR OPERATING GROUP (EFCOG)

Session 84 Panel Report .................................................................................................................. 4863
N/A
EFCOG Presentations ....................................................................................................................... 4867
Linda Sutlora
Potential OSDC At Portsmouth Status Update .............................................................................. 4871
Dennis Carr
EFCOG Waste Management Working Group Packaging and Transportation Subgroup Initiatives .................................................. 4877
Jim Portsmouth, Jeff England, Sydney Gordon, Mike Waters, Sonny Goldston
Active to Passive Environmental Clean-up Transition Strategies ................................................. 4893
Carol Eddy-Dilek
EFCOG Waste Management Working Group ................................................................................. 4903
Jeny O'Leary
INL - BEA: Waste Management Overview: Remedying the Past Planning the Future ................. 4908
N/A
Exploring Authorized Limits for Trace Rad Contaminated Laboratory Waste ............................ 4915
Kip McDowell
ORNL Enduring Waste Strategy Update ......................................................................................... 4918
Timothy Forrester
Maximizing Operational Efficiencies in Waste Management on the Hanford PRC .................... 4933
Ty Blackford
Disposal Innovations for Large Components Onsite at Savannah River Site ............................. 4936
John Gilmour
Joint EFCOG - PMC / QA Working Group .................................................................................. 4944
Vince Grasso, Mark Bowers, Ron Natali
EFCOG P&T Subgroup PMC Freight Container Guide ............................................................... 4948
Erich Opperman
EFCOG ATMS/RadCalc Working Group ...................................................................................... 4951
Jim Portsmouth, Chris Solum, Larry Stahl, Connie Jones
Y-12 Waste Management: 2013 Update ......................................................................................... 4954
Tim Tharp
LANL Status .................................................................................................................................. 4958
Andy Baumer

SESSION 085 - WORLDWIDE REGULATORY CHALLENGES OF RADIOACTIVE LEGACY SITES - IAEA WORKING FORUM (PART 1 OF 2)

Session 85 Panel Report .................................................................................................................. 4960
N/A
Select IAEA Activities for Uranium Production Legacy Sites : Two Important Initiatives .............. 4963
Russel Edge
Worldwide Regulatory Challenges of Radioactive Legacy Sites - IAEA Working Forum Working Group #1 ........................... 4974
Enhancing the Regulatory Infrastructure ....................................................................................... 4974
Mikhail Kiselev
Feet on the Ground: Site Visits to Uranium Legacy Sites in the US as Part of IAEA Regulatory Supervision of Legacy Sites Initiative ................................................................. 4987
David Shufer, Russel Edge, Jeff Rowat, Thomas Pauling
Canada’s Legacy Site Regulation ..................................................................................................... 4996
Ron Benson

SESSION 086 - WORLDWIDE REGULATORY CHALLENGES OF RADIOACTIVE LEGACY SITES - PROGRESS IN BI-LATERAL COOPERATION (PART 2 OF 2)

Session 86 Panel Report .................................................................................................................. 5003
N/A
Radiation Protection Regulation of the Nuclear Legacy: Progress in Bi-Lateral Cooperation between Federal Medical Biological Agency and Norwegian Radiation Protection Authority .............................................. 5005
Nataliya Shundalu
US EPA Superfund Remedial Program Collaboration with International Community on Radiation Sites Issues .................................................. 5014
Stuart Walker
Norway’s Bi-lateral Regulatory Cooperation Program .................................................................... 5030
Malgorzata K. Sneve

SESSION 087 - CHARACTERIZATION & SURVEY FOR DECOMMISSIONING AND WASTE MANAGEMENT

Session 87 Panel Report .................................................................................................................. 5038
N/A
Innovative and Emerging Technologies for D&D

Andrew Szilagyi

EPRI’s Approaches to Site Characterization and Survey in Support of Nuclear Power Plant Decommissioning

Karen Kim

Application of SADA for 3D Subsurface Characterization and Suggested Approach for Volumetric Compliance with Decommissioning Dose Criteria

Robert Stewart

Strategies for and Key Activities in Radiological Characterisation

Arne Larsen

Geostatistics for Radiological Characterization and Sampling Optimization

Yvon Desnoyers

SESSION 088 - FEATURED SITES US DOE-EM LEXINGTON, KY OFFICE (PORTSMOUTH, OH AND PADUCAH, KY SITES)

Session 88 Panel Report

N/A

Portsmouth Gaseous Diffusion Plant - Decontamination & Decommissioning Project, Piketon, Ohio

Vincent Adams

DUF6 Project

Kent Forshnerry

LATA-Kentucky Year in Review

Mark Duff

SESSION 089 - MANAGEMENT OF NUCLEAR POWER PLANT LIQUID AND WET WASTE

Westinghouse Cementation Facility of Solid Waste Treatment System - 13503

Jörg Aign, Torsten Jacobs

300 GPM Solids Removal System - A True Replacement for Back Flushable Powdered Filter Systems - 13607

Jörg Aign, Mark Pong

Verification of the Accountability Method as a Means to Classify Radioactive Wastes Processed using THOR Fluidized Bed Steam Reforming at the Studsvik Processing Facility in Erwin, TN, USA - 13087

Jonathan Olander, Corey Myers

Westinghouse Modular Grinding Process - Enhancement of Volume Reduction for Hot Resin Supercompaction - 13491

Jörg Aign, Henning Felmann

SESSION 090 - FUKUSHIMA NPP LIQUID WASTE AND PROCESSING (PART 4 OF 4)

Cesium Removal at Fukushima Nuclear Plant - 13215

James Braun, Tracy Barke

Removal of Radionuclide from Waste Water at Fukushima Daiichi Nuclear Power Plant: Desalination and Adsorption Methods - 13126

Yuko Kani-Hino, Daisuke Watanabe, Mamoru Komashida, Takashi Asami, Shin Tamata

New Standards in Liquid Waste Treatment at Fukushima Dai-i-chi - 13134

Paul Silvestr, Tim Milner, Scott Poole, Paul Townsend, Jennifer Ruffing, Jesse Jensen

Isotope Specific Remediation Media and Systems - 13614

Mark Denton, Joshua Merr, Katsuke Morita

SESSION 091 - PROGRESS IN HLW AND TRU RETRIEVAL

One System Integrated Project Team: Retrieval and Delivery of Hanford Tank Wastes for Vitrification in the Waste Treatment Plant - 13234

Ben Harp, Richard Kacich, Raymond Skwarek

K-Basins Sludge Treatment and Packaging at the Hanford Site - 13585

Thomas Fogwell, James Honeynan, Gary Stiegen

A One System Integrated Approach to Simulant Selection for Hanford High Level Waste Mixing and Sampling Tests - 13342

Mike Thien, Steve Barnes

UP2 400 High Activity Oxide Legacy Waste Retrieval Project Scope and Progress - 13048

Jean-Michel Chahuef, Thierry Varelt

SESSION 092 - ADVANCEMENTS IN HLW CLOSURE

Methods for Heel Retrieval for Tanks C-101, C-102 and C-111 at the Hanford Site - 13064

Terry Sams, Jacob Reynolds, Nick Kirch
Completion of Operational Closure of Tank 18F and Tank 19F at the Savannah River Site by Grouting - 13236 .................................. 5281

Andrew Tisler

A Dual Regime Reactive Transport Model for Simulation of High Level Waste Tank Closure Scenarios - 13375 .................................. 5287

Sohini Sarkar, David Kosson, Kevin Brown, Andrew Garrabrants, Johannes Meeussen, Hans Van Der Sloot