

Documents From The Third International Workshop On Implementation Of ALARA At Nuclear Power Plants

Session 1. Controlling Radiation Fields

- 2000 Recent Developments In Radiation Field Control Technology (6 Pages)
- 2001 Optimum Water Chemistry In Radiation Field Buildup Control (9 Pages)
- 2002 Efforts To Reduce Exposure At Japanese PWRs: CVCS Improvement (10 Pages)
- 2003 Efforts To Control Radiation Build-Up In Ringhals (11 Pages)
- 2004 An Overview Of Zinc Addition For BWR Dose Rate Control (18 Pages)
- 2005 Reduction Of Radiation Exposure In Japanese BWR Nuclear Power Plants (9 Pages)

Session 2. Panel Discussion On Recent Recommendations On Dose Limitations

- 2006 Panel Discussion On Recent Recommendations On Dose Limitations (14 Pages)

Session 3. Presentations And Panel Discussion On ALARA In New Reactors

- 2007 ALARA Implementation Throughout Project Life Cycle (10 Pages)
- 2008 Health Physics Aspects Of Advanced Reactor Licensing Reviews (9 Pages)
- 2009 Controlling Radiation Fields In Siemens Designed Light Water Reactors (10 Pages)
- 2010 ALARA Radiation Considerations For The Ap600 Reactor (7 Pages)
- 2011 System 80+ Standard Design Incorporates Radiation Protection Lessons Learned (19 Pages)
- 2012 PWR Design For Low Doses In The United Kingdom: The Present And The Future (7 Pages)
- 2013 Implementation Of ALARA At The Design Stage Of Nuclear Power Plants (9 Pages)
- 2014 Session 3 Discussion (10 Pages)
- 2015 The History Of Radiation Protection (5 Pages)

Session 4. Pathways To ALARA

- 2016 Electricite De France's ALARA Policy (11 Pages)
- 2017 Assessment Of The Benefits And Impacts In The U.S. Nuclear Power Industry Of Hypothesized Lower Occupational Dose Limits (8 Pages)
- 2018 ALARA In European Nuclear Installations (13 Pages)
- 2019 Six Steps To A Successful Dose-Reduction Strategy (6 Pages)
- 2020 Progress Report On The Management Of The Nea Isoe System (17 Pages)
- 2021 The Economics Of Radiological Protection (3 Pages)

Session 5. Panel Discussion On Economics Vs. Excellence

- 2022 Panel Discussion On Economics Vs. Excellence (13 Pages)

Session 6. Short Presentations On Alara Implementation

- 2023 Occupational Doses And ALARA - Recent Developments In Sweden (5 Pages)
- 2024 ALARA And Planning Of Interventions (6 Pages)
- 2025 Peach Bottom Atomic Power Station Recirc Pipe Dose Rates With Zinc Injection And Condenser Replacement (2 Pages)
- 2026 ALARA Council: Sharing Of Resources And Experiences To Reduce Doses At Commonwealth Edison Facilities (2 Pages)
- 2027 Interpretation Of ALARA In The Canadian Regulatory Framework (3 Pages)
- 2028 Status Of Zinc Injection In PWRs (1 Page)
- 2029 Peach Bottom Atomic Power Station Unit 3 Radiation Buildup On The Reactor Water Cleanup (RWCU) Test Spool - An Update (2 Pages)
- 2030 ALARA And Work Management (9 Pages)

- 2031 Experience With ALARA And ALARA Procedures In A Nuclear Power Plant (8 Pages)
2032 EDF Experience With "Hot Spot" Management (7 Pages)
2033 The Optimisation Of Occupational Potential Exposures (7 Pages)
2034 Department Of Energy ALARA Implementation Guide (2 Pages)

Session 7A. Pwr And Candu Presentations

- 2035 Primary Water Chemistry Improvement For Radiation Exposure Reduction At Japanese PWR Plants (11 Pages)
2036 Update To Millstone 3 Elevated pH Test (10 Pages)
2037 A User Friendly Database For Use In ALARA Job Dose Assessment (10 Pages)
2038 PWR Upper/Lower Internals Shield (4 Pages)
2039 Report On The PWR-Radiation Protection/ALARA Committee (10 Pages)

Session 7B. BWR And Gas-Cooled Presentations

- 2040 Alara Efforts In Nordic BWRs (8 Pages)
2041 Radiation Field Control At The Latest BWR Plants - Design Principle, Operational Experience And Future Subjects (11 Pages)
2042 ALARA Database Value In Future Outage Work Planning And Dose Management (8 Pages)
2043 Water Chemistry Control And Decontamination Experience With TEPCO BWR'S And The Measures Planned For The Future (11 Pages)
2044 Report On The BWR Owners' Group Radiation Protection/ALARA Committee (4 Pages)

Session 8A. Pwr And Candu Presentations

- 2045 Use Of Mock-Up Training To Reduce Personnel Exposure At The North Anna Unit 1 Steam Generator Replacement Project (10 Pages)
2046 Electric Power Research Institute: Effects Of Respirator Use On Worker Performance (11 Pages)
2047 Field Experience With Remote Monitoring (4 Pages)
2048 Westinghouse Corporate Development Of A Decision Software Program For Radiological Evaluation Decision Input (REDI) (5 Pages)
2049 Task Related Doses In Spanish Pressurized Water Reactors Over The Period 1988-1992 (11 Pages)

Session 8B. BWR And Gas-Cooled Presentations

- 2050 Scale Models: A Proven Cost-Effective Tool For Outage Planning (6 Pages)
2051 Dose Reduction And Cost-Benefit Analysis At Japan's TOKAI No. 2 Plant (10 Pages)
2052 Radiological Controls Integrated Into Design (5 Pages)
2053 PC Based Temporary Shielding Administrative Procedure (9 Pages)
2054 ANI/MAELU Engineering Inspection Criteria 8.3 Alara (13 Pages)
2055 ALARA Development In Mexico (5 Pages)

Session 9. Decommissioning Of Nuclear Power Plants

- 2056 Shippingport Station Decommissioning Project ALARA Program (6 Pages)
2057 Decommissioning ALARA Programs Cintichem Decommissioning Experience (13 Pages)
2058 Radiation Dose Optimisation In The Decommissioning Plan For Loviisa NPP (8 Pages)
2059 ALARA And Decommissioning - The Fort St. Vrain Experience (11 Pages)
2060 An Overview Of ALARA Considerations During Yankee Atomic's Component Removal Project (10 Pages)
2061 Cold Weather Effects On Dresden Unit 1 (6 Pages)

Session 10. Decontamination Of Nuclear Power Plants

- 2062 Recent Developments In Chemical Decontamination Technology (4 Pages)
- 2063 System Decontamination As A Tool To Control Radiation Fields (9 Pages)
- 2064 Full Reactor Coolant System Chemical Decontamination Qualification Programs (4 Pages)
- 2065 National Demonstration Of Full Reactor Coolant System (RCS) Chemical Decontamination At Indian Point 2 (9 Pages)
- 2066 Results From The Decontamination Of And The Shielding Arrangements In The Reactor Pressure Vessel In Oskarshamn 1 -1994 (4 Pages)
- 2067 CO₂ Pellet Decontamination Technology At Westinghouse Hanford (5 Pages)

Session 11. Robotics And Remote Handling

- 2068 Mobile Robotics Application In The Nuclear Industry (8 Pages)
- 2069 Boiling Water Reactor Radiation Shielded Control Rod Drive Housing Supports (6 Pages)
- 2070 Automation Of Steam Generator Services At Public Service Electric & Gas (4 Pages)
- 2071 Computer-Controlled Wall Servicing Robot (2 Pages)
- 2072 The Integrated Radiation Mapper Assistant (8 Pages)
- 2073 Strategy Proposed By Electricite De France In The Development Of Automatic Tools (5 Pages)