

# BNL ALARA Center

## List Of Documents On ACEFAX

( The documents are numbered chronologically in ascending order )  
( Those added since last revision are shown in bold face )

**516/282-7361**

### General Documents

- 10 ALARA Notes No. 8 (22 pages)
- 12 **LIST OF DOCUMENTS ON ACEFAX (15 pages)**
- 13 **ACE Manual (Revision 5) (4 pages)**
- 14 **ALARA Notes No. 9 (19 pages)**
- 15 **Dollar Worth Of A Person-Rem For US Utilities: Updated 1994 Values (1 page)**
- 16 A Survey Of Doses To Worker Groups In The Nuclear Industry (13 pages)
- 17 Collective Dose Per Reactor For Selected Countries (1 page)
- 18 **Registration Form For ACE (1 page)**
- 19 Bournemouth Meeting On Water Chemistry Of Nuclear Reactor Systems #6 (10 pages)
- 20 More Details On Documents On ACEFAX (20 pages)
- 21 The Program Of The ALARA Center At Brookhaven National Laboratory (15 pages)
- 22 BWR and PWR Collective Radiation Exposure 3-Year Rolling Average Tables For 1992 (2 pages)
- 23 **Third International Workshop On Implementation Of ALARA At Nuclear Power Plants - May 1994 (Information and Registration Form) (4 pages)**
- 24 **Third International Workshop On Implementation Of ALARA : Agenda (13 pages)**
- 25 **Subject Index For Jobs Database (1 page)**
- 26 **Subject Index For Health Physics Technology Database (2 pages)**
- 27 **Subject Index For Research Database (4 pages)**

### Documents From The Health Physics Technology Database

- 138 Innovative Approaches At TMI-2
- 139 Identify All Cobalt Contributors In PNPS
- 140 Evaluate Hot Spots Associated With Spent Fuel Pool System
- 141 Surrogate Laser Disc Plant Tour System
- 142 Maintain Radiological Evaluation Factors
- 143 Replace Feedwater Control Valve Trim With Non-Cobalt Design
- 144 Recirculation Pump Cobalt Elimination
- 145 Fuel Improvements To Reduce Cobalt Source
- 146 Establish Chemical Decontamination Strategy

- 147 Evaluate Zinc Addition To Reactor Feedwater (GEZIP)
- 148 Reactor Control Blade Management Considering ALARA
- 149 Evaluation, Possible Reduction In Operation And Testing Of CRDs To Reduce Cobalt Input
- 150 Project MINDOS
- 151 Study On The ALARA Policy In Korea
- 152 Reduction Of Time, Exposure, And Cost Through Plant Decontamination
- 153 Reactor Cavity Decontamination At V. C. Summer
- 154 Use Of Respirators And Dose Expansion
- 155 Optimizing Worker Protection: A Practical Application Of Risk Analysis
- 156 Advanced Radiation Worker Training Program And Laboratory
- 157 ALARA Aspects Of The Calvert Cliffs Pressurizer Repair Project
- 158 ACE - ALARA Center's Dose-Reduction Information System
- 159 An Effective ALARA Awareness Program
- 160 An ALARA Training Program For Design Engineers
- 161 System Decontamination Of RWCU System
- 162 Resistance Temperature Detector Bypass System Elimination
- 163 400 R/hr Hot Spot Removal At Cooper Nuclear Station
- 164 Innovative Shielding
- 165 Removal Of Control Rod Drive Through Robotics
- 166 Data Acquisition On PWR Contamination
- 167 Panther RP: A Tool For Evaluating Dose Rates
- 168 The Ingredients Of A Utility's Dose Reduction Program
- 169 Methods Used To Achieve Outage Goals At Diablo Canyon
- 170 Radiation Exposure Reduction Program At Mitsubishi Heavy Industries
- 171 Clamshell Nozzle/Pipe Shielding
- 172 Feedwater Nozzle Thermal Sleeve Hydrolyzing
- 173 Snubber Positioning Fixture
- 174 Removal Of Fine Chrome Particulate From Spent Fuel Pools By Means Of A Radial Lamella
- 175 A Method For Optimizing The Use Of Respiratory Protection In Radiation Areas
- 176 Indian Point 2 Sub-System Decontaminations
- 177 National Demonstration Of A Full RCS Chemical Decontamination
- 178 Plant E.I. Hatch Chemical Decon 1991
- 179 Chemical Decontamination Of The Residual Heat Removal System
- 180 Ontario Hydro Decontamination Experience
- 181 Resource Management As An ALARA Tool
- 182 PWR Upper/Lower Internals Shield
- 183 Internal Dose, Respiratory Protection And Revised 10CFR20 At Davis-Besse Nuclear Power Station
- 184 Zion Unit 2 Cycle 12 Shutdown And Early Boration Results
- 185 Health Physics Services On The Platform At Salem Using ROMMRS
- 186 Chemical Decon Of Systems: Results And Problems
- 187 An Automated Program Implementing New 10CFR20 Requirements At Southern Nuclear Plants

- 188 Steam Generator Replacement Project At North Anna Power Station
- 189 ALARA Programme Management And Organization In EDF Nuclear Power Stations
- 190 Enhanced Radiation Worker Training At James A. Fitzpatrick Nuclear Plant
- 191 S/G Replacement At Beznau 1: Experience And Results In Radiological Protection
- 192 Partners In Performance: An ALARA Perspective
- 193 Steam Generator Snubber Elimination
- 194 Future Power Stations In The United Kingdom: Designing For Low Doses
- 195 A Team Approach For The Management Of Radioactive Liquid Effluents
- 196 ALARA And Work Management
- 197 Radiological Assessment Of Decommissioning At Fort St. Vrain
- 198 Personnel Radiation Exposure Reduction During Remote Stud Handling At Indian Point 2
- 199 Replacement Of RWCU Piping With State-Of-The-Art Materials
- 200 Evaluation Of Zircaloy Fuel Clad Oxidation At Millstone 3 PWR
- 201 An Update On Chemistry Related Dose Reduction Efforts At Millstone Nuclear Generating Stations
- 202 Surface Characterization Of The Steam Generator Channel Head Following Mechanical/ Electropolishing At Millstone Point Unit 2
- 203 Chromium Treatment Of RHR Piping
- 204 On-Line Monitoring Of Dose Rates And Surface Activity During The Cycle 17 Shutdown Of Ringhals 2
- 205 Corrosion Products Behavior In French Pressurised Water Reactor During Shutdown Operation
- 206 PWR Startup And Shutdown Chemistry Guidelines
- 207 Update On Dose Rates In Siemens-Designed PWRs
- 208 Dose Rate Trends And Chemistry At Siemens-Designed BWRs

### **Documents From The Job Database**

- 501 Replacement Of Waste Collector Filter Septa
- 502 Welding And Inspection Of Pressurizer
- 503 Repair Of Steam Dryer
- 504 Decontamination Of Reactor Cavity
- 505 Replacement Of Filter Septums
- 506 Remote Control Rod Drive Handling System
- 507 Core Grid Support Repair
- 508 Heat Exchange Decontamination
- 509 Modification Of Reactor Temperature Detector System
- 510 Turning Vanes Replacement
- 511 Decontamination Of RWCU Using The Cord Process
- 512 Feedwater Sparger Replacement
- 513 Work Inside Reactor Vessel
- 514 Vacuum Cleaning Of Steam Generators
- 515 Decontamination Of Primary Coolant Pumps

- 516 Replacement Of Incore Monitors
- 517 Desludging And Decontamination Of Radwaste Aisles
- 518 Installation Of Insulation Cartridges
- 519 Shot Peening Of The Hot Leg Tubes Of A Steam Generator
- 520 Shipment Of Spent Fuel Assemblies
- 521 Radiation Protection Surveys And Job Coverage
- 522 Replacement Of a Pump In a High Radiation Area
- 523 Insulation Replacement On Recirculation Piping And Valves
- 524 Replacement Of Insulation On Main Steam Piping
- 525 Removing Scaffolding From Drywell
- 526 Replacement Of Reactor Recirculation Pump Cooler
- 527 Replacement Of a Flange Gasket
- 528 Repair Of Main Steam Sensing Line Supports
- 529 Replacement Of Steam Generators
- 530 Replacement Of Primary Pipes Inside Containment
- 531 Shot Peening Of The Cold Leg Tube Of Steam Generator
- 532 Up-Flow Conversion
- 533 Additional Experience From Shot Peening
- 534 Replacement Of Reactor Coolant System Valve Internals
- 535 Decontamination Of The Drywell
- 536 Valve Repair In Reactor Water Cleanup System
- 537 Repair Of Tube Bellows Flange
- 538 RWCS Pump Reassembly

### **Documents From The Research Database**

- 1229 VERALIGHT - A New Light Manipulator For Steam Generator Inspection
- 1250 Development, Fabrication, And Test Of The ODEX-3 Maintenance Vehicle
- 1251 Source Book For Chemical Decontamination Of Nuclear Power Plants
- 1252 The Nature And Behavior Of Particulates In PWR Primary Coolant
- 1253 PWR Radiation Control Demonstration
- 1254 Field Tests Of Radiation Control Techniques - 1
- 1255 Effect Of Surface Treatments On Radiation Buildup In Steam Generators
- 1256 Millstone 1 Zinc Injection Evaluation
- 1257 PWR Steam Generator Preconditioning Studies
- 1258 The Treatment Of Radioactive Ion-Exchange Resins
- 1259 PWR Corrosion Tests Using LOMI
- 1260 Crud Transport Chemistry
- 1261 Qualification Of Cobalt-Free Hardfacing Alloys For LWR
- 1262 Production Of NOREM Hardfacing Alloys
- 1263 Cobalt Replacement Guidelines
- 1264 BWR Cobalt Deposition Studies
- 1265 Research Reactor Loop Water Chemistry Study

- 1266 Radiation Field And Dose Data Assessment
- 1267 Passivation And Surface Conditioning
- 1268 Feedwater Flow Element Improvement
- 1269 Coolant Chemistry And Radiolysis In Boiling Reactor Coolant
- 1270 On-Line Monitoring Techniques For Redox Potential, Hydrogen Concentration, and pH In Nuclear Reactor Coolant Circuits
- 1271 In-Plant System For Continuous Low-Level Ion Measurement In Steam-Producing Water
- 1272 Resin Separability To Improve Polishing Under Morpholine AVT
- 1274 Oxygen Transport In BWR Cycles
- 1275 Remote Repair Technique For MSIVs
- 1276 Intellitorque : A System For Monitoring Root Cause Of MOV Malfunctions
- 1277 Using Ultrasonics To Avoid Check Valve Disassembly
- 1278 A "Wet Motor" Sealless Pump For Reactor Water Clean Up System In BWRs
- 1279 A Rotating UT System For Inspection Of Steam Generator Tubes
- 1280 The ALOK 3 Ultrasonic Inspection System
- 1281 Acoustic Leak Monitoring In Japan
- 1282 Use Of Vibration Monitoring To Assess Reactor Coolant Pump Integrity
- 1283 Improved Test Methods For Plant Protective Coating
- 1284 Automated Control Rod Drive Bolting Wrench System To Support Boiling Water Reactor Maintenance
- 1285 Measurement Of Oxide Film Released As Particles During The CAN-DEREM Decontamination Process
- 1286 "Wet Motor" Sealless Pump For Reactor Water Clean Up System In BWRs
- 1287 Reactor Water Cleanup (RWCU) Sealless Pump
- 1288 Exposure Reduction Measures In The Design Of Siemens/KWU PWR Plants
- 1289 Full System Decontamination Of The BR-3 PWR Plant
- 1290 Mitigation Of The Impact Of Reduced Radiation Exposure Limits On Nuclear Power Plant Operations
- 1291 Sources Of Cobalt-60 In The Primary Systems Of Pressurized Water Reactors
- 1292 Performance Of Iron Base Hardfacing Alloys Under Pressurized Water Reactor Conditions
- 1293 U.K. Program To Qualify Cobalt-Free Hardfacing Alloys
- 1294 Supplying Cobalt-Free Nuclear Valves
- 1295 An Examination Of Foreign Approaches To Controlling Radiation-Field Buildup In Boiling Water Reactors
- 1296 Guidelines For The Reduction Of Cobalt From Reactor Systems
- 1297 BWR Radiation Field Trends
- 1298 Status Of Zinc Injection In Boiling Water Reactors
- 1299 Experience With Zinc Injection At Millstone 1
- 1300 Control Of Radiation Fields At Boiling Water Reactors By Reducing Iron Input
- 1301 Effect Of Preconditioning On Cobalt Corrosion Release Rates
- 1302 Radiation Field Issues In Switching To Hydrogen Water Chemistry
- 1303 Qualification Of Electropolishing For Replacement Steam Generators
- 1304 French Experience With Electropolishing Steam Generator Channel Heads

- 1305 Surface Pretreatment Of Primary System Components To Reduce Radiation Buildup
- 1306 Reducing Radiation Buildup By Surface Coating Of Primary System Components
- 1307 PWR Primary Water Chemistry Guidelines - Revision 2
- 1308 Reduction Of Radiation Fields By Elevated pH Control At Millstone-3
- 1309 Loop Experiments On Zinc Injection Under PWR Conditions
- 1310 Corrosion Control And Dose Rate Reduction
- 1311 Effects Of pH And Li On PWSCC Initiation And Growth
- 1312 Radioactivity Pick-Up By Carbon Steel And Stainless Steel In Slightly Oxidizing Lithiated Coolant
- 1313 Lessons Learned From Recent BWR Chemical Decontamination Applications
- 1314 Decontamination Of Beaver Valley Steam Generators Using The CAN-DEREM Process
- 1315 Full RCS Chemical Decontamination
- 1316 BWR Full System Decontamination
- 1317 PWR Coolant Chemistry Studies In Support Of Dose Reduction Using In-Pile Loops At MIT
- 1318 Solubility Measurement Of Crud And Evaluation Of Optimum pH
- 1319 Full Reactor Coolant System (RCS) Decontamination National Demonstration Plan
- 1320 Full System Decontamination Of The BR-3 Plant
- 1321 Future Developments In Processing Decontamination Waste
- 1322 Reduction Of Critical Path Time For BWR Recirculation System Decontaminations
- 1323 Improvements In The LOMI Decontamination Process
- 1324 Radiation Fields Trends And Control At French PWRs
- 1325 Weldability Of NOREM For In-Situ Repair & Replacement
- 1326 High pH Operation At Swedish PWRS
- 1327 Radiation Field Control By Early Boration During Shutdown At Beaver Valley Power Station
- 1328 High pH Operation In ABB Combustion Engineering Plants
- 1329 Reactor Coolant System Shutdown Chemistry And Nickel Management At H.B. Robinson Nuclear Project
- 1330 Zinc Injection At Millstone 1
- 1331 The Effect Of Zinc On Corrosion And Dose Rate Control
- 1332 TRACKER: An Absolute Tube-Position Detection And Tube Marking System
- 1333 BWR Underwater Disassembly/Assembly - Wetlift 2000
- 1334 PWR Primary System Chemistry: Experience With Elevated pH at Millstone Point Unit 3
- 1335 Steam Generator Dose Rates At Babcock & Wilcox Reactors
- 1336 Preconditioning Of PWR Steam Generators To Reduce Radiation Buildup
- 1337 Welding Of NOREM Iron-Base Hardfacing Alloy Wire Products - Procedures For Gas Tungsten Arc Welding
- 1338 Endurance Tests Of Valves With Cobalt-Free Hardfacing Alloys
- 1339 Replacement Of Pins And Rollers In Irradiated BWR Control Blades
- 1340 Secondary Hydriding Of Defected Zircaloy-Clad Fuel Rods
- 1341 Testing Of An Organic Removal Process In BWR Radwaste Systems
- 1342 Evaluation Of Reactor Pressure Vessel Head Cracking In Two Domestic BWRs
- 1343 Relationship Of Radiation-Induced Segregation Phenomena To Irradiation-Assisted Stress Corrosion Cracking (IASCC)
- 1344 Light Water Reactor Materials And Water Chemistry Studies At Halden

- 1345 PWR In-Pile Loop Studies In Support Of Coolant Chemistry Optimization
- 1346 The Effect Of Dissolved Oxygen In Lithiated Coolant
- 1347 Chemistry Parameters Influencing The Dose Rate Build-Up In BWR Plants
- 1348 Overview Of Activities For The Reduction Of Dose Rates In Swiss Boiling Water Reactors
- 1349 Operating Experience Of Japanese Improvement And Standardization BWRs And Behavior Of Radioactivity In Reactor Water
- 1350 Feedwater Iron Crud Reduction For Chinshan Nuclear Power Station
- 1351 Reactions Of Iron Crud With Metallic Ions Under BWR Water Conditions
- 1352 Decomposition Of Hydrogen Peroxide In BWR Coolant Circuit
- 1353 Full Primary System Chemical Decontamination Qualification Program
- 1354 Full System Decontamination And Countermeasures Against Recontamination Of The Fugen Nuclear Power Station
- 1355 Electrochemical Corrosion Potential Measurement With A Rotating Cylinder Electrode In 288°C Water
- 1356 Effects Of Zinc Additions On The Crack Growth Rate Of Sensitized Stainless Steel And Alloys 600 And 182 In 288°C Water
- 1357 On-Line Measurement Of Particles In Reactor Water Of BWRs
- 1358 The Integrity Of Inconel Alloys In High Temperature Water Chemistry
- 1359 Enriched Boron Products
- 1360 Variabilities In The Calculation Of PWR Primary Coolant pH
- 1361 Construction And Operation Of An In-Pile Loop For BWR Coolant Chemistry Studies
- 1362 Water Chemistry During The Shut-Down Of The Boiling Water Reactor Leibstadt
- 1363 Solubility Of Cobalt In Primary Circuit Solutions
- 1364 Statistical Analysis Of Reactor Water Data
- 1365 Mixed Oxide-Alloy-Water Systems Under LWR Conditions
- 1366 Maximum Allowable Chloride Levels On Stainless Steel Components At The Size Well 'B' PWR
- 1367 Inorganic Seed Materials For The Decontamination Of PWR Aqueous Wastes
- 1368 Easy Inexpensive Hydrogen Water Chemistry Predictive Methods
- 1369 Potential-pH Diagrams For Alloy-Water Systems Under LWR Condition
- 1370 In-Pile Loop Studies Of Close Reduction Technologies For PWRs And BWRs; Investigations Of Material Susceptibility To Cracking
- 1371 Evaluation Of Factors Affecting Radiation Field Trends In Westinghouse-Designed Plants
- 1372 The Mechanics And Kinetics Of Corrosion Product Release From Carbon Steel In Lithiated High Temperature Water
- 1373 Investigation Of The Chemical And Physical Properties Of Spinel Oxides
- 1374 Overview Of The Impact Of Stellite Removal On Radiation Fields In KWU PWRs
- 1375 Activity Transport And Corrosion Processes In PWRs
- 1376 Feasibility Of On-Line Monitoring Of Stress Corrosion Cracking In Rotating Components
- 1377 Concept And Experience Of System Decontamination With CORD
- 1378 ELOMIX: A Better Way Of Handling The Waste From Decontamination
- 1379 BWR/5 Full-System Decontamination Feasibility Study
- 1380 Moving From Ultra-Pure BWR Water To Plant-Tailored Water Chemistry
- 1381 Effects Of pH Of Primary Coolant On PWR Contamination

- 1382 Behavior Of PWRs In Spain Following Changes To Modified Chemistry And Fuel Specifications
- 1383 Review Of Effect Of Lithium On PWR Fuel Cladding Corrosion
- 1384 Shutdown Chemistry In Spanish Plants
- 1385 Effect Of Surface Treatment On Radioactivity Deposition On Stainless Steel Coupons Exposed In Doel 2
- 1386 Utility Approach To Radiation Field Reduction By Coolant Chemistry Control
- 1387 Low Picolinate LOMI - Update
- 1388 Decontamination Chemistry: Current Issues
- 1389 Resin Oxidation Process Improvements
- 1390 Development Of Full System Decontamination For BWRs
- 1391 SCE&G Fuel Decontamination Qualification Program
- 1392 Pacific Nuclear Field Implementation
- 1393 Utility Decontamination Experience
- 1394 ABB Atom Project - ALARA 2000
- 1395 Development And Use Of An In-Pile Loop For BWR Chemistry Studies
- 1396 Replacement Of Pins & Rollers In Irradiated BWR Control Blades
- 1397 Cobalt Source Reduction - Control Rod Pin & Roller Replacement
- 1398 Performance Of Iron-Base Hardfacing Alloys In Gate Valves Tested Under Simulated BWR Chemistry Conditions
- 1399 NOREM Wear-Resistant Alloys: An EPRI Program Update
- 1400 The Effect Of Zinc On Carbon Steel And Stainless Steel In Lithiated Coolant
- 1401 Optimum Water Chemistry In Radiation Field Buildup Control
- 1402 Status Report On BWR Full System Decontamination
- 1403 Activity Pickup By Coated Coupons Exposed In The Doel Reactor

### **Documents From The News Database**

- 3001 Preventing Erosion-Corrosion At Sizewell B
- 3002 How Finer Filter Can Keep Exposures Down
- 3003 Enriched Boric Acid Promises Greater Flexibility For PWRs
- 3004 Control Rod Drive Removal And Installation Mechanism Saves Dose
- 3005 Steam Generator Pipe End Decon Saves Approximately 100 Person-Rem
- 3006 More On Strippable Coatings
- 3007 Effect Of Elevated Lithium pH On Inconel 600
- 3008 Conductivity During Early Life Important In Fuel Oxidation And Failure
- 3009 BWR Zinc Injection Update
- 3010 Protective Coatings For Radiation Control In Boiling Water Nuclear Power Reactors
- 3011 Designing For Maintainability
- 3012 Plant Inspection Experience And The Equipment Needed
- 3013 Progress In Radiation Control Technology
- 3014 Experience With Elevated pH At Millstone Point Unit 3
- 3015 Full System Decontamination Results



- 3016 Recent Experience With Zinc Injection
- 3017 Cobalt Reduction Guidelines
- 3018 Proceedings: 1989 EPRI Radwaste Workshop
- 3019 Reduction Of Critical Path Time For BWR Recirculation System Decontaminations
- 3020 Proceedings: Primary Water Stress Corrosion Cracking Workshop
- 3021 Implementing Cobalt-Free Alloys In Nuclear Plant Values
- 3022 Evaluation Of Iron-Based Hardfacing Alloys
- 3023 Update On Weldability Studies
- 3024 Mini-Sub In Use At Con Edison's Indian Point 2
- 3025 Lightweight Torque Wrench Improves Bolting Maintenance
- 3026 Vac-Pac Technology: Safe, Clean, Efficient Vacuum Collection
- 3027 Acrylic Floor Toppings Simplify Decontamination In Nuclear Facilities
- 3028 A Welding Arc Viewer
- 3029 Pipe And Tube Cutting
- 3030 Fuel Master Increases Capacity
- 3031 Looking For Steam Generator Leaks With Helium
- 3032 Hall-Effect Helps
- 3033 Strippable Coating Provide Leak-Tight Integrity And Hot Particle Mitigation
- 3034 Effect Of Electropolishing, Preoxidation And Zinc On Buildup In BWR Recirculation Piping
- 3035 Electropolishing Minimizes Radioactivity Buildup
- 3036 Chemical Decontamination In Germany
- 3037 Approaching Consensus On The Optimum pH For PWRs
- 3038 Collective Doses For Steam Generator Replacements
- 3039 Radionuclide Buildup In BWR Reactor Coolant Recirculation Piping
- 3040 Update On Full-System LWR Decontamination
- 3041 Video Camera Use Reduces Costs And Exposure
- 3042 Update On Primary Chemistry Guidelines For PWRs
- 3043 Electropolishing Steam Generator Channel Heads: The French Experience
- 3044 Current Thinking On Relative Importance Of Cobalt Reduction And Water Chemistry For PWRs
- 3045 The Effect Of Dissolved Zinc On The Transport Of Corrosion Products In PWRs
- 3046 Vessel Inspection Made Easy
- 3047 New Alloys Resist Wear Without Costly Cobalt
- 3048 New Lesson Plan Packages
- 3049 More On Mitsubishi's Underwater Vehicle For Ultrasonic Vessel Inspection
- 3050 General Electric's New Inspection System Gives Inside Information On BWR RPV Welds
- 3051 Key Tagging For Security
- 3052 High-Capacity Filters
- 3053 Ontario Hydro Proposes Canning And Burying Candu Reactors
- 3054 Strippable Coatings Help Reactor Cavity Decon
- 3055 Can-Decon Makes A Strong Comeback As Can-Derem
- 3056 Hot Spot Reduction Program At Braidwood
- 3057 Doses Decreasing At Ontario Hydro

- 3058 Ontario Hydro - Preventative Measures Following An Overexposure Incident
- 3059 Pacific Gas & Electric Upgrades Radiation Monitoring
- 3060 Employee Attitudes: The Key To Exposure Reduction At Oyster Creek
- 3061 Electricité De France To Place Bulk Order For Steam Generator Replacement
- 3062 French Thinking On The Comparative Merits Of Alloys 690 And 800
- 3063 BWR Zinc Injection
- 3064 KWU Plans 54-Day Steam Generator Replacement
- 3065 Aea Technology's 3D TV Equipment Shows Performance Benefits Over Conventional Television
- 3066 Mitsubishi's New Passive PWR
- 3067 Inspecting BWR In-Core Housings From The Refueling Bridge
- 3068 Maintaining Dose Histories In The United Kingdom
- 3069 Conclusions Of The EPRI Workshop On BWR Zinc Injection
- 3070 PWR Primary Water Chemistry Guidelines - Revision 2
- 3071 ICRP'S New Recommendations
- 3072 Low Doses In ABB Atom BWRs
- 3073 Repairing And Replacing Steam Generators At Soviet 1000 Mwe PWRs
- 3074 Beznau 1 Plans Steam Generator Replacement
- 3075 Aiming For Improved Steam Generator Reliability In Japan
- 3076 Comparisons Of Steam Generator Replacement Techniques
- 3077 Quick And Easy Adjustment For Values
- 3078 A Smaller Dosimeter
- 3079 Portable Test Bench For Snubbers, Pumps, And Steam Generators
- 3080 Special Cleaning Devices For Sellafield
- 3081 Farewell To The Mop And Bucket
- 3082 NRC Decision On Level Of Detail For Advanced Reactors
- 3083 Replacing The Pressurizer Heater Sleeves At Calvert Cliffs 2
- 3084 Crawling Around Byron
- 3085 From Reaction To Proaction - Taking The Preventative Approach
- 3086 Occupational Dose Reduction At NPP: Annotated Bibliography Of Selected Readings In Radiation Protection And ALARA
- 3087 Combining Zinc Injection With Hydrogen Water Chemistry
- 3088 Update On Zinc Injection For BWRs
- 3089 Latest Results From Elevated Lithium Demo At Millstone-3
- 3090 Electronic Personal Dosimeter Heralds A Revolution In Legal Dosimetry
- 3091 Science Applications International's New Small Dosimeter
- 3092 Techniques For Dose Reduction
- 3093 Consequences Of Reduced Limits
- 3094 Getting Exposures Down At Us Plants
- 3095 The Age Of The "Throwaway" Video Camera Is Here
- 3096 Swedish Technology Provides Inside Knowledge Of US BWR Vessels
- 3097 Bibliography Of Selected Readings On Radiation Protection And ALARA
- 3098 NRC Tightens Radiation Exposure Limits

- 3099 Setting New Protection Standards For Radiation
- 3100 Occupational Doses In ABB Atom BWRs
- 3101 Video Cameras At Nuclear Plants
- 3102 Radiation Exposures At US Plants In 1990
- 3103 Full System Decontamination Workshop Planned
- 3104 Full System Decontamination Qualification Programs - PWR Studies
- 3105 Full System Decontamination Qualification Program - BWR Qualification Program
- 3106 Full System Decontamination Programs - Comparison Of Fuel In And Fuel Out
- 3107 Field Demonstration Of NOREM Wear - Resistant Alloys
- 3108 PWR Shutdown Chemistry
- 3109 Shutdown Radiation Fields At BWRs Using Hydrogen Water Chemistry
- 3110 Robotic Maintenance Systems For Nuclear Power Plants
- 3111 Expanding The Range Of Activities Performed Remotely At Nuclear Power Plants
- 3112 Scaffold Management - A New Era
- 3113 Managing Of The Aging BWR Control Rod Drive Mechanisms
- 3114 ALARA Reduction During CRDM Changeout And Rebuilding
- 3115 CRDM Worker Training
- 3116 Dustless Surface Preparation And Decontamination Systems For Concrete Floors
- 3117 Zinc Injection Helps Reduce Radiation Field Buildup In BWRs
- 3118 Putting pH 7.2 Water Chemistry To The Test At French PWRs
- 3119 EPRI-Sponsored Technology Easing CRDM Change-Out Job At BWRs
- 3120 Information Exchange
- 3121 Collective Doses In European Light Water Reactors
- 3122 Computerized Dose Tracking
- 3123 Advanced Technologies
- 3124 Dose Reduction By Outage Planning, Strategy, And Architectural Arrangements
- 3125 Robotic Applications
- 3126 Dose Reduction During Inspection Of Germany PWRs
- 3127 Dose Trends In German PWRs
- 3128 Dose Reduction In Japan Atomic Power Company Plants
- 3129 Exposure Reduction At Shimane, Unit No. 2
- 3130 Steam Generator Replacement At Dampierre 1
- 3131 Work Planning And Organization
- 3132 Worker Training And Responsibility
- 3133 Planning For Ringhals 2 Steam Generator Replacement
- 3134 Swiss Experience With Zinc Injection And Soft Shutdown
- 3135 CRD Services
- 3136 Inspection Cameras
- 3137 Remote Inspection
- 3138 Heat Stress Monitor
- 3139 Alarm Ratemeter
- 3140 Camera System

- 3141 UT Imaging System
- 3142 RPV Stud Tensioning
- 3143 Factors Influencing Collective Exposure Trends
- 3144 The Challenge Of The 1995 Radiation Exposure Goals
- 3145 NRPB Opts For "Constraints"
- 3146 Bringing Robotic Tensioning To The U.S.
- 3147 World Nuclear Industry Handbook - 1992
- 3148 ALARA/ALARP: Working Well Before ICRP 60?
- 3149 Bar Code System
- 3150 Inspection Services
- 3151 Dosimetry Reduction
- 3152 Inspection Robot
- 3153 Inspection Robots
- 3154 Fluorescent Lamps
- 3155 Video Inspection
- 3156 SG Annulus Seal
- 3157 Standard Versus Hydrazine Water Chemistry In Vver-440
- 3158 Dose Reduction At Mcguire By Teledosimetry And Remote Communication
- 3159 Using Satellite Technology To Improve Steam Generator Eddy Current Inspections
- 3160 An Update On The Mechanical Stress Improvement Process
- 3161 Remote Operated Vehicles - A Driving Force For Improved Outages
- 3162 Winning The Battle Against IGSCC
- 3163 I.S.O.E. - An International Contribution To Keep Workers' Doses ALARA
- 3164 ALARA - An Historical And Global Perspective
- 3165 Instructions For Recording And Reporting Occupational Exposure Data
- 3166 ALARA Regional Conference: Region 1
- 3167 Applied Robotics Test Facility - A New Partnership For The Mobile Robotics Community
- 3168 Advanced Technologies Applied To Work Management
- 3169 Radiation Field Evaluations
- 3170 The Effect Of Chemical Additives On N-16 Carryover Under Simulated BWR Conditions
- 3171 Electropolishing Of Replacement Steam Generator Channel Heads At Millstone-2 PWR
- 3172 Update On U.S Power Industry Exposures
- 3173 Remotec's All-Terrain Robots
- 3174 New Remote Radiation Surveillance System
- 3175 Instant Monitoring On Hand
- 3176 Improved Plant Designs Reduce Dose By A Factor Of 20
- 3177 Dose Control At China's First Nuclear Power Plants
- 3178 Candu Large Scale Fuel Channel Replacement Project: Individual & Collective Dose Reduction By ALARA Integration
- 3179 Radiation-Field Control Manual -1991 Revision
- 3180 Nuclear Power Plant Resource Book - Vol. 2: BWR
- 3181 A Brief History Of Robots In The United States

- 3182 Trod Cleans Up At Nine Mile Point 1
- 3183 More Radiation Monitoring Backfits For The Future
- 3184 Designing Radiation Protection Into Sizewell B
- 3185 Frozen CO<sub>2</sub> Pellets Process For Decontamination
- 3186 1991 Exposure Trends
- 3187 Control Blade Pin And Roller Replacement
- 3188 Improving Communications With Utility Personnel
- 3189 Depleted Zinc Evaluation At Fitzpatrick
- 3190 Decontamination Update
- 3191 BWR Radiation Fields With Hydrogen Water Chemistry
- 3192 Formation Of PWR Radiation Protection/ALARA Committee
- 3193 1992 Exposure Reduction Plants At Surry Power Station
- 3194 Repairing The Spent Fuel Coolant Pump At Surry: Operational Details Of A Job
- 3195 Improved Tld Badges
- 3196 Pilgrim's Progress Points The Way To The Cobalt Reduction
- 3197 Looking For Links Between BWR Hydrogen Water Chemistry And Increased Shutdown Dose Rates
- 3198 New PWR Guidelines Target Intergranular Attack And Stress Corrosion Cracking In Steam Generators
- 3199 Water Chemistry And Dose Reduction: New PWRs
- 3200 Water Chemistry And Dose Reduction: Millstone 3 Experience
- 3201 PWR Primary Coolant Chemistry And Dose Reduction
- 3202 Using Divers To Inspect And Repair The Torus Proper At Peach Bottom
- 3203 Scale Models - An Effective Tool For ALARA And Constructability Planning
- 3204 New Developments In The Surrogate Tour System
- 3205 Report On The 6th Bournemouth Conference On Water Chemistry
- 3206 1992 Radiation Exposure Management Seminar Highlights
- 3207 Steam Generator Strategy For Ringhals 3 And 4
- 3208 Getting Ready To Replace The Steam Generators At Doel 3
- 3209 Steam Generator Problems In Spain
- 3210 Replacing Steam Generators At Millstone 2
- 3211 Steam Generator Tube Evaluation By Ultrasonic Testing
- 3212 Development Of Unique In-Service Inspection Equipment For Reactor Pressure Vessels
- 3123 Moose Decontamination Robot Supports Nuclear Facility's Remediation Strategy
- 3124 Preconditioning Of PWRs
- 3215 Demonstration Of PWR Full-System Decontamination
- 3216 Demonstration Of Elevated pH
- 3217 Current Status Of PWR Primary Coolant Chemistry In The U.S.
- 3218 How Hydrogen Water Chemistry Impacts Shutdown Dose Rates In BWRs
- 3219 Worker Exposures Plunge At U.S. Nuclear Plants
- 3220 BWR And PWR Collective Radiation Exposure
- 3221 Automated Reactor Vessel Stud Removal System

- 3222 Hydro-Vac Shield
- 3223 Chemical Decontamination Of A PWR RHR System
- 3224 BWR Chemistry Guidelines Revision Committee Being Formed
- 3225 LOMI Decontamination Of Nuclear Reactors Reduces Exposure And Critical Path Time
- 3226 GPU Cuts Critical Path Time By Using EPRI Radwaste Desk Reference
- 3227 PWR Secondary Water Chemistry Guidelines
- 3228 10 CFR 20'S Impact On Computerized Dose Tracking
- 3229 Utilities Use Modified pH From Startup To Reduce Radiation Fields
- 3230 Reducing Costs And Radiation Exposures In The Nuclear Power Industry
- 3231 Convoy Leads The Way On Dose Reduction
- 3232 Re-Revising The Hiroshima Dosimetry Revision
- 3233 ABB-CE Applied ALARA Principles In The Design Of System 80+ PWR
- 3234 Use Of Image Transmission And Virtual Reality At Nuclear Plants
- 3235 Use Of Multimedia For Nuclear Power Plants
- 3236 Photogrammetry For Nuclear Power Plants
- 3237 Advanced Imaging Tools For Nuclear Power Plant Operation And Maintenance
- 3238 Piping System Inspection And Testing: Managing The Massive Results, Records, And Reports
- 3239 Reducing Radiation Dose By Effective ALARA Engineering
- 3240 Service Worker Dose Reduction: Whose Job Is It?
- 3241 Control Rod Drive Mechanism Nozzle Inspection
- 3242 Reducing Exposure At U.S. Nuclear Plants
- 3243 PWR Primary Shutdown And Startup Chemistry Guidelines Complete
- 3244 1992 Year-To-Date Dose At U.S. BWRs
- 3245 Iron-Based Alloy Testing In BWR Chemistries
- 3246 Second Meeting Of The ISOE Steering Group
- 3247 Some Successful Techniques For Exposure Control
- 3248 Radiation Exposure Trends
- 3249 Chromium Coating To Reduce Activity Pickup
- 3250 PWR Primary Chemistry Update
- 3251 Radiation Exposure In 1992
- 3252 Robotic Vehicle
- 3253 Radiation Shielding
- 3254 Managing CRDM Nozzle Cracking
- 3255 Performance Monitoring Tool
- 3256 UK Goes For 20 msv Limit
- 3257 U.S. Nuclear Power Plant Performance Improves Again In 1992
- 3258 Dose Data From BWR Owner's Group RP/A Committee
- 3259 Nuclear Plant Discharges Too Low To Detect**
- 3260 Present And Future Safety Issues For Électricité De France (EdF)**
- 3261 Listening To Reactor Pressure At The Boundaries For The Sounds Of Cracks And Leaks**
- 3262 The Safety Of French Pressurized Water Reactors: A Regulator's Perspective**
- 3263 Options For Leak Detection**

- 3264 Good Experience From Operation Of Replacement Steam Generators
- 3265 Remote Handling Equipment Aids Bruce Nuclear Power Station
- 3266 EPRI'S Low Level Waste, Chemistry And Radiation Control Program
- 3267 European Utility Requirements For The Next Generation Of Nuclear Plant
- 3268 New Steam Generator For Doel 3
- 3269 Worker Protection During Contaminated Concrete And Steel Remediation
- 3270 More Circumferential Cracking Indications Found In Ringhals 2 Upper Head
- 3271 A Record-Breaking SG Replacement
- 3272 Neutron Detectors
- 3273 An Electronic Personal Dosimeter System
- 3274 Scaffolding Management For Waste And Dose Minimization
- 3275 Reactor Vessel Stuck Stud Removal And Stud Hole Repair
- 3276 Refurbishing Rather Than Replacing Reactor Coolant Pump Motors
- 3277 Service Water Restoration At North Anna
- 3278 Planning SG Replacement Pays Off For North Anna
- 3279 Lasers Make Light Work Of Sleaving
- 3280 Japanese Wrestle With Tube Problems
- 3281 Paving The Way For Full System Decontamination With The Fuel In
- 3282 Developing The Reactor Operating Procedures For Full-System Decontamination
- 3283 Laying The Foundations For The Field Implementation Of Full System Decontamination
- 3284 Preparing For Full System Decontamination At Indian Point 2: Utility Perspective
- 3285 The Road To Full RCS Decontamination
- 3286 Chemical Decontamination Workshop
- 3287 Surrogate Video Tour
- 3288 Temporary Shielding For RHR Piping
- 3289 Browns Ferry Nuclear Plant Unit 2 Cycle 6 Chemical Decontamination Proven Success
- 3290 Automating Pump Nozzle Inspection
- 3291 Automating Inspection Of Vessel Penetrations In French PWRs
- 3292 Japan Is Nearly Reaching The Limits Of Automated Inspection
- 3293 Combininng AI And NDE To Aid Pipework Repair And Inspection Decision
- 3294 Replacement Of Separator Shroud Bolts