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**Environment**

Movement Behavior of American Eel (Anguilla rostrata) on an Angled Louver Array at a Hydroelectric Project 1012559 (Technical Report)
Program: Hydropower Environmental Issues
EPRI Project Manager: Douglas A. Dixon

Latent Impingement Mortality Assessment of the Geiger Multi-Disc™ Screening System at the Potomac River Generating Station 1013065 (Technical Report)
Program: Section 316(a) and 316(b) Fish Protection Issues
EPRI Project Manager: Douglas A. Dixon

Arsenic Health and Ecological Effects: Soil and Water 1014015 (Technical Report)
Program: Coal Combustion Products—Environmental Issues
EPRI Project Manager: Kenneth J. Ladwig

Program: Coal Combustion Products—Environmental Issues
EPRI Project Manager: Kenneth J. Ladwig

MOSES Leak Tool 1.0—Mineral Oil Spill Evaluation System Leak Tool, Version 1.0 1014055 (Software)
Program: T&D Facilities and Equipment: Environmental Issues
EPRI Project Manager: Mary E. Mclearn

In Situ Chemical Fixation of Arsenic-Contaminated Soil 1014056 (Technical Report)
Program: T&D Facilities and Equipment: Environmental Issues
EPRI Project Manager: Mary E. Mclearn

Demonstration of Decision Tool for Selection of Transmission Poles 1014096 (Technical Report)
Program: T&D Facilities and Equipment: Environmental Issues
EPRI Project Manager: Mary E. Mclearn

EPRI Radio Frequency Exposure Estimator, Version 1.5 1014560 (Software)
Program: EMF Health Assessment and RF Safety
EPRI Project Manager: Robert I. Kavet

Program on Technology Innovation: Biotechnology Research and Development Opportunities in the Electricity Enterprise 1014706 (Technical Report)
Programs: Effluent Guidelines and Water Quality Management; Technology Innovation
EPRI Project Manager: John Goodrich-Mahoney

Clinical Effects of Electric Shock 1014940 (Technical Report)
Program: EMF Health Assessment and RF Safety
EPRI Project Manager: Robert I. Kavet

Program: Fish Protection at Steam Electric Power Plants
EPRI Project Manager: Douglas A. Dixon

Programs: Watershed and Water Resource Sustainability; Technology Innovation
EPRI Project Manager: Robert A. Goldstein

An Updated Macroeconomic Analysis of Recent California Climate Action Team Strategies 1015510 (Technical Report)
Program: Global Climate Change Policy Costs and Benefits
EPRI Project Manager: Larry J. Williams

**Generation**

Guidelines for the Nondestructive Examination of Boilers 1012194 (Technical Report)
Program: Boiler Life and Availability Improvement
EPRI Project Manager: Stan M. Walker

Program: Boiler Life and Availability Improvement
EPRI Project Manager: Kent K. Coleman

U.S. Natural Gas Supply Equation and Price Envelope 1014146 (Technical Report)
Program: Coal Fleet for Tomorrow—Future Coal Generation Options
EPRI Project Manager: Jeremy B. Platt

Program: Combustion Performance and NOx Control
EPRI Project Manager: Jeffrey Stallings

Mercury Leachability From Concretes That Contain Fly Ashes and Activated Carbon Sorbents 1014913 (Technical Report)
Program: Coal Combustion Product Use
EPRI Project Manager: Kenneth J. Ladwig

Use of Class C Fly Ash in High-Volume Fly Ash Concrete Applications 1014914 (Technical Report)
Program: Coal Combustion Product Use
EPRI Project Manager: Kenneth J. Ladwig

A Review of Literature Related to the Use of Spray Dryer Absorber Material 1014915 (Technical Report)
Program: Coal Combustion Product Use
EPRI Project Manager: Kenneth J. Ladwig
Nuclear

Coalfleet Advanced Combustion IGCC Permits
Database, 2007a
1015349 (Software)
Program: Coal Fleet for Tomorrow—Future Coal Generation Options
EPRI Project Manager: Naomi Lynn Goodman

Proceedings: Continuous Emission Monitoring
User's Group 2007 Conference
1015350 (Technical Report)
Program: Continuous Emissions Monitoring
EPRI Project Manager: Charles E. Dene

STM Stirling Engine-Generator at a Hog
Manure Digester Gas Facility
1015364 (Technical Report)
Program: Distributed Energy Resources
EPRI Project Manager: David Thimsen

Program on Technology Innovation: Nonlinear
Diagnostics for Monitoring and Optimizing
Gasifier Operation—Feasibility Study
1015374 (Technical Report)
Programs: Coal Fleet for Tomorrow—Future Coal Generation Options; Technology Innovation
EPRI Project Manager: Jeffrey Stallings

Plant Support Engineering: Elastomer
Handbook for Nuclear Power Plants
1014800 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Gary John Toman

Proceedings: 5th EPRI International Decommissioning and Radioactive Waste Workshop
at Kendal
1014824 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Christopher Wood

Proceedings: EPRI/NEI Technical Information
Workshop—Nuclear Plant Groundwater
Monitoring
1014825 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Christopher Wood

Plant Support Engineering: Guidance for
Replacing Feedwater Heaters at Nuclear
Power Plants
1014826 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Timothy Eckert

Plant Support Engineering: Methodologies
for Monitoring and Adjustment of Reactor
Power Measurement Drift
1014875 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Timothy Eckert

Plant Support Engineering: Adhesion Testing
of Nuclear Coating Service Level I Coatings
1014883 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Timothy Eckert

Plant Support Engineering: Degradation
Research for Nuclear Service Level I Coatings
1014884 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Timothy Eckert

Engineering Fundamentals—Civil Engineering
Fundamentals, EF-CEF Version 1.0
1014968 (Software)
Program: Nuclear Power
EPRI Project Manager: Kenneth R. Caraway

Engineering Fundamentals—Electrical
Engineering, EF-EE
1014969 (Software)
Program: Nuclear Power
EPRI Project Manager: Kenneth R. Caraway

Crack Growth Testing of Fast Reactor
Irradiated Commercial Stainless Steels in
BWR and PWR Environments
1014976 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Rajeshwar Pathania

Steam Generator Foreign Object Handbook
1014981 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Mary Helen Cothron

Divider Plate Cracking in Steam Generators
1014982 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Mary Helen Cothron

Steam Generator In Situ Pressure Test
Guidelines, Revision 3
1014983 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Mary Helen Cothron

BWRVIP-174: BWR Vessel and Internals
Project, Review of BWR Core Shroud UT
Re-Inspection Results for Plants Mitigated
With NMCA and HWC
1014994 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Robert G. Carter

BWRVIP-175: BWR Vessel and Internals
Project, Evaluation of Noble Metal Deposition
at the On-Line Noble Metal Chemical
Application Reference BWR
1014997 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Rajeshwar Pathania

BWRVIP-176: BWR Vessel and Internals
Project, BWR Shutdown Chemistry Experience
Report and Application Guidelines
1014999 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Rajeshwar Pathania

BWRVIP-87, Revision 1: BWR Vessel and
Internals Project, Testing and Evaluation of
BWR Supplemental Surveillance Program
Capsules D, G, and H
1015000 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Robert G. Carter

BWRVIP-111, Revision 1: BWR Vessel and
Internals Project, Testing and Evaluation of
BWR Supplemental Surveillance Program
Capsules E, F, and I
1015001 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Robert G. Carter
Materials Reliability Program: Reactor Vessel Head Boric Acid Corrosion Testing (MRP-199)
1015006 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Paul James Crooker

Materials Reliability Program: Effects of B/Li/pH on PWSCC Growth Rates in Ni-Based Alloys (MRP-217)
1015008 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Kawaljit Singh Ahluwalia

1015014 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Christine King

1015016 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Christine King

Dispersants for Tube Fouling Control,
Volume 4: Long-Term Trial at McGuire Unit 2
1015021 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Keith Paul Fruzzetti

1015036 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Boching Cheng

Perry EOC10 Fuel Inspection for Effect of Water Chemistry Changes on Fuel Performance
1015037 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Boching Cheng

Program on Technology Innovation: Room at the Mountain
1015046 (Technical Report)
Programs: Nuclear Power; Technology Innovation
EPRI Project Manager: John Kessler

Spent-Fuel Transportation Applications—Normal Conditions of Transport
1015049 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Albert J. Machiels

Plant Support Engineering: Failure Mechanism Assessment of Medium-Voltage Ethylene Propylene Rubber Cables
1015070 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Gary John Toman

Administration Protocol for Portable Practicals (AP3) in Task Proficieny Evaluations
1015074 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Patty Wade

Plant Support Engineering: Guidance for Planned Replacement of Large Power Transformers at Nuclear Power Plants
1015077 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Kenneth R. Caraway

1015081 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Kenneth R. Caraway

Instrumentation and Control Strategies for Plant-Wide and Fleet-Wide Cost Reduction
1015087 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Raymond C. Torok

Program on Technology Innovation: Project Prioritization Optimization Under Budget Uncertainty
1015092 (Technical Report)
Programs: Nuclear Power; Technology Innovation
EPRI Project Manager: Stephen Michael Hess

Investigation of a Process for Estimating Conditional LOOP Probability
1015100 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Frank J. Rahn

1015105 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Ken Canavan

Program on Technology Innovation: Seismic Screening of Components Sensitive to High-Frequency Vibratory Motions
1015109 (Technical Report)
Programs: Nuclear Power; Technology Innovation
EPRI Project Manager: Tom J. Mulford

Program on Technology Innovation: Security Technology Evaluation for New Nuclear Power Plants
1015112 (Technical Report)
Programs: Nuclear Power; Technology Innovation
EPRI Project Manager: Tom J. Mulford

Reactor Internals Segmentation Experience Report
1015122 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Christopher Wood

1015182 (Software)
Program: Nuclear Power
EPRI Project Manager: David Perkins

RETRAN-3D Analysis of BWR Control Rod Drop Accidents
1015206 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Odelli Ozer

Program on Technology Innovation: Nuclear Power Generation Technologies
1015207 (Technical Report)
Programs: Nuclear Power; Technology Innovation
EPRI Project Manager: Tom J. Mulford

Steam/Feedwater Application, SFA Version 2.2 SP-1
1015290 (Software)
Program: Nuclear Power
EPRI Project Manager: Shane Findlan

Proceedings of the 2007 Nuclear Asset Management Community of Practice Annual Meeting
1015306 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Stephen Michael Hess

1015320 (Software)
Program: Nuclear Power
EPRI Project Manager: Kenneth R. Caraway

Materials Reliability Program: Characterization of Type 316 Cold-Worked Stainless Steel Highly Irradiated Under PWR Operating Conditions (International IASCC Advisory Committee Phase 3 Program Final Report) (MRP-214)
1015332 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Hui-Tsung Tang
Advanced Nuclear Technology (ANT) Margins and Monitoring Project
1015388 (Software)
Program: Nuclear Power
EPRI Project Manager: Tom J. Mulford

Nuclear Maintenance Applications Center: Application Guide for Motor-Operated Valves in Nuclear Power Plants—Revision 2
1015396 (Technical Report)
Program: Equipment Reliability
EPRI Project Manager: Martin L. Bridges, Jr.

Materials Reliability Program: Advanced FEA Evaluation of Growth of Postulated Circumferential PWSCC Flaws in Pressurizer Nozzle Dissimilar Metal Welds (MRP-216, Rev. 1)
1015400 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Craig D. Harrington

FTREX 1.3: Fault Tree Reliability Evaluation eXpert, Version 1.3
1015407 (Software)
Program: Nuclear Power
EPRI Project Manager: Frank J. Rahn

Steam Generator Management Program: Proceedings of the 26th Steam Generator NDE Workshop
1015410 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Steven M. Swilley

ETTM Large AC Motors V1, Computer-Based Training (CBT): Engineering Technical Training Modules (ETTM)—Large AC Motors, Version 1.0
1015412 (Software)
Program: Nuclear Power
EPRI Project Manager: Kenneth R. Caraway

Program on Technology Innovation: Development of a GMR-Based Eddy Current Instrument
1015416 (Technical Report)
Programs: Nuclear Power; Technology Innovation
EPRI Project Manager: Kenji J. Krzywosz

Recommendations for an Effective Flow-Accelerated Corrosion Program (NSAC-202L-R3) Non-Proprietary Version
1015425 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Shane Findlan

Proceedings: 2007 Condensate Polishing Workshop
1015447 (Technical Report)
Program: Materials Degradation/Aging
EPRI Project Manager: Keith Paul Fruzzetti

BWRVIP-80-A: BWR Vessel and Internals Project, Evaluation of Crack Growth in BWR Shroud Vertical Welds
1015457 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Robert G. Carter

Steam Generator Management Program
1015482 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Mohamad M. Behravesh

BWRVIP-178NP: BWR Vessel and Internals Project, Nonproprietary Report of Material Test Results from the BWR Integrated Surveillance Program (ISP)
1015504 (Technical Report)
Program: Nuclear Power
EPRI Project Manager: Robert G. Carter

BWRVIP-179: BWR Vessel and Internals Project, BWR Surveillance Data and Predictions of Radiation Embrittlement in BWR Vessel Steels—Assessment of Supplemental Surveillance Program Capsules
1015506 (Technical Report)
Program: BWR Materials Management
EPRI Project Manager: Robert G. Carter

WOL Omniscan Focal Law Files PGN CR3 11-2007—Progress Energy
1016129 (Software)
Program: NDE and Material Characterization
EPRI Project Manager: Mark Dennis

**Power Delivery and Utilization**

AC Flashovers on Henan Power 500-kV Lines During Rain
1013244 (Technical Report)
Program: Overhead Transmission
EPRI Project Manager: John Kar Leung Chan

Management of Transmission Line Structure Foundations
1013783 (Technical Report)
Program: Overhead Transmission
EPRI Project Manager: John Kar Leung Chan

Guide to Engineering the Multiple Use of the Right of Way
1013786 (Technical Report)
Program: Overhead Transmission
EPRI Project Manager: John Kar Leung Chan

Value Modeling of Customer Satisfaction
1013818 (Technical Report)
Program: Power Delivery Asset Management
EPRI Project Manager: Paul T. Myrda

Advanced HVDC Systems at ±800 kV and Above
1013857 (Technical Report)
Program: HVDC Systems
EPRI Project Manager: Rambabu Adapa

SteMS-MS V3.0: Short-Term Electricity Market Simulator—MultiSettle, Version 3.0
1014531 (Software)
Program: Value and Risk in Energy Markets
EPRI Project Manager: Robert Entriken

WebANNSFLF 6.0—WebANNSFLF, Version 6.0
1014838 (Software)
Program: Grid Operations
EPRI Project Manager: David Becker

HTC Matrix Version 2.1: High-Temperature Conductor Knowledge Base Matrix
1014886 (Software)
Program: Increased Power Flow in Transmission Circuits
EPRI Project Manager: John Kar Leung Chan

Electric Lift Truck Fast-Charge Demonstration at the Port of Galveston, Texas
1014904 (Technical Report)
Program: Electric Transportation
EPRI Project Manager: Andra Mercedes Rogers

Power Plant Modeling and Parameter Derivation for Power System Studies
1015241 (Technical Report)
Program: Grid Operations
EPRI Project Manager: Pouyan Pourbeik

PTLOAD Version 6.2
1015249 (Software)
Program: Substations
EPRI Project Manager: Gordon Luke van der Zel

Program on Technology Innovation: Application of Data Mining Method to Vulnerability Assessment
1015278 (Technical Report)
Programs: Grid Operations; Technology Innovation
EPRI Project Manager: Pei Zhang

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Scoping Study for Identifying the Need for New Tools for the Planning of Transmission and Distribution Systems
1015285 (Technical Report)
Program: Intelligrid™
EPRI Project Manager: Donald Von Dollen

Environmental Assessment of Plug-In Hybrid Electric Vehicles, Volume 1: Nationwide Greenhouse Gas Emissions
1015325 (Technical Report)
Program: Electric Transportation
EPRI Project Manager: Mark Duvall

Environmental Assessment of Plug-In Hybrid Electric Vehicles, Volume 2: United States Air Quality Analysis Based on AEO-2006 Assumptions for 2030
1015326 (Technical Report)
Program: Electric Transportation
EPRI Project Manager: Mark Duvall

Program on Technology Innovation: Probabilistic Dynamic Security Region
1015335 (Technical Report)
Programs: Grid Operations; Technology Innovation
EPRI Project Manager: Pei Zhang

Power Quality Investigation at a Midwest Hospital: Magnetic Resonance Imaging System
1015347 (Technical Report)
Program: Advancing End-Use Energy Efficiency and Technologies
EPRI Project Manager: Andra Mercedes Rogers

Program on Technology Innovation: Enterprise Asset Management
1015385 (Technical Report)
Programs: Power Delivery Asset Management; Technology Innovation
EPRI Project Manager: Paul T. Myrda

Web Version of the Artificial Neural Network Short-Term Load Forecaster (WebANNSTLF 6.0)
1015431 (Technical Report)
Program: Grid Operations
EPRI Project Manager: David Becker

Phasor Measurement Unit (PMU) Implementation and Applications
1015511 (Technical Report)
Program: Wide-Area Power Systems
EPRI Project Manager: Pei Zhang

SF₆ (Sulfur Hexafluoride) Safety: Computer-Based Training Module
1016105 (Software)
Program: Substations
EPRI Project Manager: Gordon Luke van der Zel

Technology Innovation
Program on Technology Innovation: Oxide Growth and Exfoliation on Alloys Exposed to Steam
1013666 (Technical Report)
Program: Technology Innovation
EPRI Project Manager: Barry Dooley

Program on Technology Innovation: Biotechnology Research and Development Opportunities in the Electricity Enterprise
1014706 (Technical Report)
Programs: Effluent Guidelines and Water Quality Management; Technology Innovation
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1015112 (Technical Report)
Programs: Nuclear Power; Technology Innovation
EPRI Project Manager: Tom J. Mulford

Program on Technology Innovation: Nuclear Power Generation Technologies
1015207 (Technical Report)
Programs: Nuclear Power; Technology Innovation
EPRI Project Manager: Tom J. Mulford

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1015278 (Technical Report)
Programs: Grid Operations; Technology Innovation
EPRI Project Manager: Pei Zhang

Program on Technology Innovation: Probabilistic Dynamic Security Region
1015335 (Technical Report)
Programs: Grid Operations; Technology Innovation
EPRI Project Manager: Pei Zhang

Program on Technology Innovation: An Energy/Water Sustainability Research Program for the Electric Power Industry
1015371 (Technical Report)
Programs: Watershed and Water Resource Sustainability; Technology Innovation
EPRI Project Manager: Robert A. Goldstein

Program on Technology Innovation: Nonlinear Diagnostics for Monitoring and Optimizing Gasifier Operation—Feasibility Study
1015374 (Technical Report)
Programs: Coal Fleet for Tomorrow—Future Coal Generation Options; Technology Innovation
EPRI Project Manager: Jeffrey Stallings

Program on Technology Innovation: Enterprise Asset Management
1015385 (Technical Report)
Programs: Power Delivery Asset Management; Technology Innovation
EPRI Project Manager: Paul T. Myrda

Program on Technology Innovation: Development of a GMR-Based Eddy Current Instrument
1015416 (Technical Report)
Programs: Nuclear Power; Technology Innovation
EPRI Project Manager: Kenji J. Krzywosz