

**Selected List of Publicly Available EPRI Technical Reports
Relevant to Blue Ribbon Commission Subcommittee Topics**
Electric Power Research Institute
Used Fuel and HLW Management Program

Contacts:

John Kessler, Program Manager, jkessler@epri.com, 704-595-2737
Albert Machiels, Senior Technical Executive, amachiel@epri.com, 650-855-2054
Andrew Sowder, Senior Project Manager, asowder@epri.com, 704-595-2647

Geologic Disposal of Used Fuel and HLW

*EPRI Review of Geologic Disposal for Used Fuel and High Level Radioactive Waste:
Volume IV—Lessons Learned.* EPRI, Palo Alto, CA: 2010. 1021057.

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001021057

*EPRI Review of Geologic Disposal for Used Fuel and High Level Radioactive Waste:
Volume III—Review of National Repository Programs.* EPRI, Palo Alto, CA: 2010.

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001021614

*EPRI Review of Geologic Disposal for Used Fuel and High Level Radioactive Waste:
Volume II--U.S. Regulations for Geologic Disposal.* EPRI, Palo Alto, CA: 2010. 1021384.

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001021384

*EPRI Review of Geologic Disposal for Used Fuel and High Level Radioactive Waste:
Volume I—The U.S. Site Selection Process Prior to the Nuclear Waste Policy
Amendments Act.* EPRI, Palo Alto, CA: 2010. 1021056.

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001021056

*Occupational Risk Consequences of the Department of Energy's Approach to Repository
Design, Performance Assessment and Operation in the Yucca Mountain License
Application.* EPRI, Palo Alto, CA: 2008. 1018058.

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001018058

*EPRI Yucca Mountain Total System Performance Assessment Code (IMARC) Version 10:
Model Description and Analyses.* EPRI, Palo Alto, CA: 2009. 1018712.

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001018712

*International Review Team Report: A Peer Review of the Yucca Mountain IMARC Total
System Performance Assessment EPRI Model.* EPRI, Palo Alto, CA: 2009. 1018711.

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001018711

Evaluation of a Spent Fuel Repository at Yucca Mountain, Nevada: 2008 Progress Report. EPRI, Palo Alto, CA: 2008. 1016631.

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001016631

Program on Technology Innovation: Room at the Mountain: Analysis of the Maximum Disposal Capacity for Commercial Spent Nuclear Fuel in a Yucca Mountain Repository. EPRI, Palo Alto, CA: 2007. 1015046.

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001015046

Yucca Mountain Licensing Standard Options for Very Long Time Frames: Technical Bases for the Standard and Compliance Assessments. EPRI, Palo Alto, CA: 2005. 1011754.

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001011754

Transportation of Used Fuel

Resolution of Spent-Fuel Transportation Issues. EPRI, Palo Alto, CA: 1016637.

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001016637

Criticality Risks during Transportation of Spent Fuel Pool – Revision 1. EPRI, Palo Alto, CA: 2008. 1016635.

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001016635

Spent Fuel Transportation Applications – Assessment of Cladding Performance. EPRI, Palo Alto, CA: 2007. 1015048

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001015048

Assessment of Accident Risk for Transport of Spent Nuclear Fuel to Yucca Mountain Using RADTRAN 5.5. EPRI, Palo Alto, CA: 2006. 1013450.

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001013450

Summary of the NAS Report, “Going the Distance? The Safe Transport of Spent Nuclear Fuel and High-Level Radioactive Waste in the United States” and EPRI’s Comments.

EPRI, Palo Alto, CA: 2006. 1010075.

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001010075

Spent Nuclear Fuel Transportation – An Overview. EPRI, Palo Alto, CA: 2004. 1009226.

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001009226

Extended Storage of Used Fuel

Used Fuel and High-Level Radioactive Waste Extended Storage Collaboration Program: November 2009 Workshop Proceedings. EPRI, Palo Alto, CA: 2010. 1020780.

URL: http://my.epri.com/portal/server.pt?Abstract_id=00000000001020780

NOTE – This report is currently not available for download but will be publicly available soon.

Industry Spent Fuel Storage Handbook. EPRI, Palo Alto, CA: 2010. 1021048.

URL: http://my.epri.com/portal/server.pt?Abstract_id=00000000001021048

Cost Estimate for an Away-From-Reactor Generic Interim Spent Fuel Storage Facility. EPRI, Palo Alto, CA: 2009. 1018722.

URL: http://my.epri.com/portal/server.pt?Abstract_id=00000000001018722

Technical Bases for Extended Dry Storage of Spent Nuclear Fuel. EPRI, Palo Alto, CA: 2002. 1003416.

URL: http://my.epri.com/portal/server.pt?Abstract_id=00000000001003416

Advanced Nuclear Fuel Cycles

Used Nuclear Fuel Reprocessing Primer. EPRI, Palo Alto, CA. [In Preparation – ***Planned Publication: April 2011***]

Advanced Nuclear Fuel Cycles – Main Challenges and Strategic Options. EPRI, Palo Alto, CA: 2010. 1020307.

URL: http://my.epri.com/portal/server.pt?Abstract_id=00000000001020307

Nuclear Fuel Cycle Cost Comparison Between Once-Through and Plutonium Multi-Recycling in Fast Reactors. EPRI, Palo Alto, CA: 2010. 1020660.

URL: http://my.epri.com/portal/server.pt?Abstract_id=00000000001020660

Parametric Study of Front-End Nuclear Fuel Cycle Costs Using Reprocessed Uranium. EPRI, Palo Alto, CA: 2010. 1020659.

URL: http://my.epri.com/portal/server.pt?Abstract_id=00000000001020659

Program on Technology Innovation: Readiness of Existing and New U.S. Reactors for MOX Fuel. EPRI, Palo Alto, CA: 2009. 1018896.

URL: http://my.epri.com/portal/server.pt?Abstract_id=00000000001018896

Nuclear Fuel Cycle Cost Comparison Between Once-Through and Plutonium Single-Recycling in Pressurized Water Reactors. Palo Alto, CA: 2009. 1018575.

URL: http://my.epri.com/portal/server.pt?Abstract_id=00000000001018575

Program on Technology Innovation: Advanced Fuel Cycles—Impact on High-Level Waste Disposal: Analysis of Deployment Scenarios of Fast Burner Reactors in the U.S. Nuclear Fleet. EPRI, Palo Alto, CA: 2008. 1016643.

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001016643

An Economic Analysis of Select Fuel Cycles Using the Steady-state Analysis Model for Advanced Fuel Cycle Schemes (SMAFS). EPRI, Palo Alto, CA: 2007. 1015387.

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001015387

Program on Technology Innovation: Advanced Fuel Cycles – Impact on High-Level Waste Disposal. EPRI, Palo Alto, CA: 2007. 1015129.

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001015129

An Updated Perspective on the US Nuclear Fuel Cycle. EPRI, Palo Alto, CA: 2006. 1013442.

URL: http://my.epri.com/portal/server.pt?Abstract_id=000000000001013442

Transuranic Burning Issues Related to a Second Geologic Repository. EPRI, Palo Alto, CA: 1992. TR-100750.

URL: http://my.epri.com/portal/server.pt?Abstract_id=TR-100750

An Evaluation of the Concept of Transuranic Burning Using Liquid Metal Reactors. EPRI, Palo Alto, CA: 1991. NP-7261.

URL: http://my.epri.com/portal/server.pt?Abstract_id=NP-7261