



UNITED STATES
NUCLEAR REGULATORY COMMISSION
ADVISORY COMMITTEE ON NUCLEAR WASTE
WASHINGTON, D.C. 20555-0001

July 13, 2005

MEMORANDUM TO: ACNW Members
ACNW Staff

FROM: *Michele S. Kelton*
Michele S. Kelton
Technical Secretary, ACNW

SUBJECT: CERTIFIED MINUTES OF THE 159TH MEETING OF THE ADVISORY
COMMITTEE ON NUCLEAR WASTE (ACNW) APRIL 18-19, 2005

The proposed minutes of the subject meeting have been certified as the official record of
the proceedings for that meeting.

Attachment:
Certified Minutes of the 159th
Meeting, April 18-19, 2005

cc: J. Larkins, ACRS/ACNW
J. Flack, ACNW/ACNW
A. Bates, SECY (O-16C1)
S. Jones, NMSS (T-8A23)
J. Dixon-Herrity, EDO (O-16E15)



UNITED STATES
NUCLEAR REGULATORY COMMISSION
ADVISORY COMMITTEE ON NUCLEAR WASTE
WASHINGTON, D.C. 20555-0001

MEMORANDUM TO: Michele S. Kelton, Technical Secretary
Advisory Committee on Nuclear Waste

FROM: Michael T. Ryan, Chairman
Advisory Committee on Nuclear Waste

SUBJECT: PROPOSED MINUTES OF THE 159TH MEETING OF THE
ADVISORY COMMITTEE ON NUCLEAR WASTE (ACNW)
APRIL 18-19, 2005

I certify that, based on my review of these minutes⁽¹⁾, and to the best of my knowledge and belief, I have observed no substantive errors or omissions in the record of this proceeding subject to the comments noted below.

Comments:

Michael T. Ryan, Chairman

A handwritten signature in cursive script, appearing to read "Michael T. Ryan", is positioned below the printed name.

Date: 7/5/05

(1) Minutes of 159th meeting held on April 18-19, 2005, dated July 5, 2005.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
ADVISORY COMMITTEE ON NUCLEAR WASTE
WASHINGTON, D.C. 20555-0001

July 5, 2005

MEMORANDUM TO: Michael T. Ryan, Chairman,
Advisory Committee on Nuclear Waste

FROM: Sharon A. Steele, Team Lead 121
Advisory Committee on Nuclear Waste

SUBJECT: PROPOSED MINUTES OF THE 159TH MEETING OF THE
ADVISORY COMMITTEE ON NUCLEAR WASTE (ACNW)
APRIL 18-19, 2005

Enclosed are the proposed minutes of the 159th meeting of the ACNW. This draft is being provided to give you an opportunity to review the record of this meeting and provide comments. Your comments will be incorporated into the final certified set of minutes as appropriate. Please provide your corrections and comments to me.

Please note that these minutes are being issued in two parts: (1) main body (working copy form) and (2) appendices. The appendices are being sent only to those members who have requested them.

A copy of the certified minutes with appendices will be forwarded to each member.

Enclosure: As stated

cc w/o Encl. 2: ACNW Members
ACNW Staff
J. Larkins, ACRS/ACNW

CERTIFIED

7/5/05

BY MICHAEL T. RYAN

Issued: 7/5/05

**CERTIFIED MINUTES OF THE 159TH MEETING OF THE
ADVISORY COMMITTEE ON NUCLEAR WASTE
APRIL 18-19, 2005**

The U.S. Nuclear Regulatory Commission (NRC) Advisory Committee on Nuclear Waste (ACNW or the Committee) held its 159th meeting April 18-19, 2005, at Two White Flint North, 11545 Rockville Pike, Rockville, Maryland. The ACNW published a notice of this meeting in the *Federal Register* on April 7, 2005 (70 FR 17722), and April 15, 2005 (70 FR 19973) (Appendix A). This meeting served as a forum for attendees to discuss and take appropriate action on the items in the agenda (Appendix B). The entire meeting was open to public attendance.

A transcript of selected portions of the meeting is available in the NRC's Public Document Room at One White Flint North, Room 1F19, 11555 Rockville Pike, Rockville, Maryland. Copies of the transcript are available for purchase from Neal R. Gross and Company, Inc., 1323 Rhode Island Avenue, NW., Washington, DC 20005. Transcripts may also be downloaded from, or reviewed on, the Internet at <http://www.nrc.gov/reading-rm/doc-collections/acnw/tr/> at no cost.

ACNW members, Michael T. Ryan (ACNW Chairman), Allen G. Croff (ACNW Vice Chairman), James H. Clarke, William J. Hinze, and Ruth Weiner attended this meeting. For a list of other attendees, see Appendix C.

I. CHAIRMAN'S REPORT (OPEN)

[Dr. Latif Hamdan was the Designated Federal Official for this part of the meeting.]

Dr. Michael Ryan, ACNW Chairman, convened the meeting at 1:30 p.m. and briefly reviewed the agenda. He stated that the meeting was being conducted in conformance with the Federal Advisory Committee Act. Dr. Ryan asked members of the public who were present and had something to say to inform the ACNW staff so that time could be allocated for them to speak.

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**II. OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS DIVISION
DIRECTORS' QUARTERLY PROGRAM UPDATE (OPEN)**

[Dr. Latif Hamdan was the Designated Federal Official for this part of the meeting.]

Directors of the Divisions of High-Level Waste Repository Safety (DHLWRS) and Waste Management and Environmental Protection (DWMEP) briefed the Committee on recent activities of interest in their divisions.

Mr. Bill Reamer, Director/DHLWRS, said the activities focused on are completing prelicensing in anticipation of the Department of Energy (DOE) license application for the proposed Yucca Mountain repository. DOE plans to submit the application in December 2005. DHLWRS expects to carry out the following activities:

- review license application
- determine whether to docket the application and develop a position on NRC's role with respect to adopting DOE's environmental impact statement (EIS) for the repository
- prepare for adjudicatory hearings before the licensing board
- prepare to conduct inspections to support the license application review
- prepare to review potential allegations
- monitor, and develop an understanding of, DOE's performance confirmation activities
- review the transportation packages DOE will use to transport fuel from defense sites and commercial sites to the repository
- conduct performance studies of transportation packages
- revise the NRC regulations (10 CFR Part 63) to conform with the Environmental Protection Agency's (EPA's) anticipated revision to the Yucca Mountain standard.

There may be delays because of technical priorities, budget constraints, and DOE's failure to get out the application on schedule. In spite of potential delays, the staff will continue resolving key technical issue agreements and participating in community outreach activities.

Mr. Reamer discussed the State of Nevada's petitions requesting the Commission to revisit its waste confidence decision, and amend the National Environmental Policy Act regulations, in 10 CFR Part 51.

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He discussed DOE's record of decision to move forward with the Caliente rail corridor proposal. DOE issued a notice of intent to prepare an EIS for the rail corridor proposal. Mr. Reamer said that NRC's role with respect to DOE's repository EIS would be to keep informed about the rail corridor EIS and to prepare for potential questions about the impact of rail corridor activities on the repository.

DHLWRS has conveyed to DOE NRC's expectations that the license application be complete and of high quality and include reliable, transparent, and traceable data, models, and software. DOE has done a good job of identifying problems, but has had less success in fixing problems. DOE success in solving quality assurance problems will give NRC confidence in future design activities for the repository.

NRC's goal is to comment on DOE's responses on all the key technical issue agreements. The staff commented on many crucial agreements in January, but the igneous activity issue is still unresolved. DOE plans to have technical exchanges with NRC to address NRC's feedback on some outstanding issues. DOE will address the remaining issues in the license application.

Mr. Reamer said DHLWRS will continue improving its understanding of consequence modeling area using the total-system performance assessment code, specifically they are evaluating whether the code is suitable for calculating peak dose. While discussing the availability of code documentation, Mr. Reamer offered to give the Committee the schedule of deliverables from the Center for Nuclear Waste Regulatory Analyses (CNWRA).

Dr. Ryan said, and Mr. Reamer agreed, that given the current makeup of the Committee, it would be helpful to brief ACNW on waste confidence.

Larry Camper, Director/DWMEP, discussed waste incidental to reprocessing (WIR), greater-than-Class C (GTCC) waste disposal, the Integrated Decommissioning Improvement Plan (IDIP), and the NRC legislative proposal to regulate radium and naturally accelerator- or occurring-produced radioactive materials (NARM). Mr. Camper said the Commission sent a proposal to Congress on March 30, 2005, to give NRC authority over accelerator-produced materials, discrete sources of ²²⁶radium, and discrete sources of other naturally occurring radioactive materials (NORM) that pose a health risk similar to that of radium. The proposal specifically provides for continued disposal of these materials at currently used disposal facilities (e.g., U.S. Ecology and Hanford for radium sources). It permits disposal of these materials in mill tailing impoundments licensed under the Atomic Energy Act.

Mr. Camper stated that WIR is the division's top priority. The National Defense Authorization Act of 2005 gave NRC many new responsibilities for incidental waste. The Act requires DOE to consult with NRC on its non-high-level-waste determinations in South Carolina and Idaho, and it requires NRC to monitor DOE's waste disposal actions to ensure that they meet the performance objectives of 10 CFR Part 61. The States have important roles with regard to the DOE sites, and they want to be actively involved, particularly in the permitting process.

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DWMEP is developing a Commission paper on WIR activities. The paper will discuss the review approach, resources, schedule, and plans for stakeholder interactions. This paper is due to the Commission at the end of April 2005. For consistency, DWMEP is developing a standard review plan (SRP) for the waste determination reviews.

DWMEP is planning for five WIR determination submittals in the next several fiscal years. The first review under the Act will be the salt waste processing and disposal at Savannah River Site. Due to the decreasing free working volume in the tanks at the site, DOE has asked NRC to complete its review in 6 months.

Mr. Camper also discussed the IDIP, which combines regulatory program management and Commission-directed improvements. He discussed his division's communication improvement strategies under the IDIP and the revision of program performance measures to more closely track resources and costs for reviewing a decommissioning or a license termination plan. In accordance with the Commission's interest, DWMEP is developing lessons learned from the agency's in decommissioning experience.

Mr. Camper discussed his participation in international organizations such as the Nuclear Energy Agency and International Conference on Environmental Remediation and Radioactive Waste Management (ICEM). Regarding his work with the Waste Advisory Safety Committee (WASC 19), Mr. Camper said he is willing to give WASC documents to the Committee for review. Mr. Camper said it was possible to brief the Committee during the summer on the Joint Convention national report.

Mr. Camper cited examples of risk-informed activities in his division

- inspection during higher risk activities for the decommissioning process.
- realistic scenarios, instead of the traditional resident farmer scenario
- phased institutional controls
- intentional mixing of soils
- regulation based on the risk, rather than the origin of the waste
- allowing 10 CFR 20.2002 disposals

Mr. Camper said he is interested in integrating of the ACNW action plan and applicable portions of the NMSS operating plan. To further coordinate efforts, Mr. Camper recommended that the Committee chair attend periodic meetings with the NMSS office director and division directors.

The staff is developing a Commission paper on GTCC waste disposal strategies. The staff recommended an appropriate role for NRC regarding the EIS. Dr. Ryan recommended an "information-gathering" step to obtain data on experience greater-than-Class C waste. He discussed the Committee's role in facilitating a meeting of practitioners, regulators, and staff who have dealt with this issue at disposal sites.

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Mr. Camper could not confirm the status of the NRC performance assessments for West Valley. He said that they expected the draft EIS from DOE in August 2005. He warned that the information in the draft EIS and the performance assessment would be predecisional information and that not until August or September they would not know whether the Committee could conduct a public workshop in October.

III. LOW-LEVEL WASTE ANNUAL UPDATE (OPEN)

[Dr. Latif Hamdan was the Designated Federal Official for this part of the meeting.]

James Kennedy, DWMEP, recapped the status of low-level waste (LLW) activities nationally and at NRC. He said the future of LLW disposal is uncertain, since Barnwell will no longer accept waste from out-of-compact generators in 2008. As a result, LLW generators in about 30 States will no longer have a place to dispose of their Class B and C waste. Congress is planning to hold hearings to revisit the Low Level Waste Policy Act. In November 2003, the Environmental Protection Agency issued an advanced notice of proposed rulemaking (ANPR) for a proposed national framework for disposal of LLW. The General Accounting Office and the National Academy of Sciences recently published studies on the subject. Thus, "low-activity" waste is receiving increased attention. However, there is no precise definition of low-activity waste, though, it is generally agreed to mean waste at the low end of the low-level waste spectrum.

Mr. Kennedy described the use of Resources Conservation and Recovery Act (RCRA) facilities by the State of Michigan and the Army Corps of Engineers for disposing of decommissioning debris and mill tailings, respectively. He also discussed EPA's ANPR initiative. He said that NRC is on record saying that the U.S. national disposal system is not reliable because generators have no assurance that cost-effective disposal will be available to them over the next 5 or 10 years.

Mr. Kennedy presented to chart to demonstrate major milestones in national policy and NRC activities in the last 35 years. He discussed NRC's development of the emergency access rule, alternative disposal methods, licensing procedures, and technical assistance to Agreement States. While the LLW programs have decreased, the decommissioning and cleanup programs have increased. In the meantime, the waste stream from decommissioning activities has changed from mostly operational waste to low-activity waste. As a result, there is a demand for a different kind of facility that can handle large volumes of low-activity waste.

Mr. Kennedy showed a graph relative to specific activity for various types of radioactive waste. The graph showed that low-level waste has a wide radioactivity range because it contains long-lived radionuclides like ¹⁴carbon, ¹²⁹iodine and ⁹⁹technetium. The chart also demonstrated that LLW, naturally accelerator produced radioactive material, NORM, technology enhanced naturally occurring radioactive material, mill tailings, and 11e(2) byproduct material have roughly the same

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specific activity, which suggests that they can all be managed in a safe way. However, the laws require different disposal option.

The Commission directed NMSS to assess the key issues affecting safe management of civilian LLW disposal to ensure that they are not impeded by decommissioning activities disruption of access to licensed disposal sites does not impact decommissioning activities. NMSS, therefore, developed a plan to address low -level waste:

- Revise and consolidate LLW storage guidance in anticipation of Barnwell's closing
- Risk-inform guidance on storage
- Develop a standard review plan for 20.2002 alternate disposals
- Coordinate with EPA with respect to EPA's ANPR on low -activity wastes such as developing guidance on disposal of radiative materials in RCRA landfills
- Engage DOE in the NEPA process for GTCC disposal
- Provide technical assistance to Agreement States
- Participate in international standards review and development

IV. ACNW WHITE PAPER ON LOW-LEVEL RADIOACTIVE WASTE (OPEN)

[Dr. Latif Hamdan was the Designated Federal Official for this part of the meeting.]

The Committee commented on the revised draft outline for the proposed white paper. In particular, the Committee suggested reference sources that should be considered in the paper.

The Committee added a fifth section on "Next Steps" and plans to provide an up-front statement of the overarching objective.

- The next version of the white paper will include expanded text.
- The Committee agreed to develop a scope statement. (On April 18 Dr. Ryan distributed a paragraph on the scope and the Members provided comments.)

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**V. DISCUSSION OF APRIL 14–15, 2005, VISIT TO THE CENTER FOR NUCLEAR
WASTE REGULATORY ANALYSES (OPEN)**

[Richard Savio was the Designated Federal Official for this part of the meeting.]

A group of ACNW members and ACNW consultants visited the CNWRA in San Antonio, Texas, on April 13–15, 2005, to gather information for later presentation to the ACNW in preparation for the ACNW discussion of the CNWRA work and an ACNW report to the Commission. The meeting was attended by ACNW Members R. Weiner, W. Hinze, and J. Clarke and ACNW consultants B. Marsh and P. Shewmon. The NRC staff and the CNWRA staffs were provided a detailed agenda before the meeting. The agenda included various questions and specific topics that the ACNW members wanted addressed. The principal focus of the discussions was the CNWRA's work on igneous activity. The discussions also addressed selected topics related to decommissioning and CNWRA work on Yucca Mountain related to container life, source term, the near-field environment, radionuclide retardation, spent fuel dissolution, site seismicity, and performance assessment. The ACNW Members who participated in this visit to the CNWRA provided a brief summary of their visit during this session of the Committee's 159th meeting.

The ACNW Members who participated in the visit will develop a summary and analysis of the responses they received to the questions and topics identified in the agenda and will identify what additional information is needed. This information will be provided to the ACNW and to the NRC staff.

VI. NATIONAL SOURCE TRACKING SYSTEM (OPEN)

[Richard Major was the Designated Federal Official for this part of the meeting.]

Ms. Merri Horn, Division of Industrial and Medical Nuclear Safety, NMSS, presented the current status of the NRC rulemaking effort to create a national sealed source tracking system. A number of recommendations led up to this rulemaking effort, including a joint NRC and Department of Energy (DOE) report on radiological dispersal devices in 2003 which recommended the development of a national source tracking system and an International Atomic Energy Agency Code of Conduct that recommends the establishment of a national register of radioactive sources. The NRC made a commitment to Congress to develop a tracking system.

The NRC and 33 Agreement States issue licenses for the medical, industrial, and academic uses of nuclear material. Current regulations do not require the tracking of sources. In the fall of 2004, the NRC asked licensees to identify their source inventory in an initial survey designed to determine the range of existing sources. The NRC also consulted with DOE, the Department of State, the Department of Commerce, the Department of Transportation, the U.S. Geological Survey, the Federal Bureau of Investigation, the Department of Defense, and the Department of Homeland Security in preparing the draft rulemaking.

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The purpose of the national source tracking system is to provide a life cycle account of nationally tracked sources. The tracking system will be transaction based (a report every time a source changes hands). Data in the tracking system will be considered "official use only." For ease of reporting, the system will be primarily Web based. Licensees will be assigned an account, a password and encouraged to report on line.

The sources of interest are Category 1 and 2 sources in the IAEA Code of Conduct. The Commission also added seven isotopes to the list. Some of the most common isotopes to be tracked include: ⁶⁰Co, ¹³⁷Cs, ¹⁹²Ir, and ²⁴¹Am. The staff expects that inspections for the source tracking system will become part of the routine inspection program. When inspectors do a radiation safety check, they can also verify what the tracking system holds and check to see if the system is being run properly.

The national source tracking system will require licensees to report:

- manufacture of new sources
- transfer to another licensee
- receipt of sources
- disposal of sources

For security reasons, these reports should be made by the close of the next business day.

The basic source identification will include the company, the radioactive material, the initial strength of the source at the time of manufacture, and the manufacturer, model and serial number, and manufacture date.

When a source is transferred or received, the following information will be reported: shipping and receiving company identification information, source information, shipping date, estimated arrival date, receipt date, waste manifest number, and container identification (if applicable).

When a source is disposed, the following information must be provided: company identification information, manifest number, container identification, date of disposal, and method of disposal. A report must be submitted by the close of the next business day after the transaction. The preferred method is on line. Reports can also be made by facsimile or mail or by telephone with followup by facsimile or mail.

Licensees must report their initial inventories of Category 1 sources by December 31, 2006, and Category 2 sources by March 31, 2007. Licensees must also reconcile their inventories once per year during the month of June. Licensees should resolve discrepancies by completing or correcting reports within 5 business days. There are currently about 1,350 licensees.

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The current schedule for rulemaking sends the proposed rule to the Commission in May 2005. There will be several public meetings this summer to explain the system. The final rule should be in place by July 2006.

During a question and answer period, members warned the NRC staff about Web security. The information in the source tracking system must be protected.

When asked whether civil penalties will be assessed for noncompliance, Ms. Horn said the initial interactions with licensees will involve a help desk rather than penalties.

A global positioning tracking system for sealed sources was not considered during the rulemaking.

Placing ²²⁶Ra in the tracking system will be voluntary. NRC does not regulate radium since it is not part of the nuclear fuel cycle.

It is not yet clear how sources possessed by DOE will be treated.

The Committee plans to send a report to the Commission on the rulemaking after its June 2005 ACNW meeting.

VII. DEPARTMENT OF ENERGY REPOSITORY DESIGN (OPEN)

[Mr. Michael Lee was the Designated Federal Official for this part of the meeting.]

During the 159th ACNW meeting, Mr. Bruce Hinkley, of the engineering consulting firm Shaw, Stone and Webster, updated the Committee on the status of its geologic repository design. Mr. Hinkley talked about recent proposed design changes to the surface and subsurface repository facilities. The main changes to the surface facility were to return to a rail-based waste package canister transporter system within the geologic repository operations area and to downsize the fuel aging facility to a capacity of 21,000 MTHM¹ (down from an earlier proposed design capacity of 40,000 MTHM). Other design changes would modify the North Portal layout, integrate the Transportation Cask Receipt Facility with the Warehouse Nonnuclear Facility, and add a Central Fuel Handling Facility, Central Control Center Facility, and a second closure cell to the Canister Handling Facility. Mr. Hinkley described the designs of these new surface facilities in detail and the anticipated sequence of surface facility construction activities.

¹Metric tons heavy metal.

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Mr. Hinkley then talked about several design changes recently considered for the subsurface repository facility—modifications to the emplacement panel layout and the controls and layout of the ventilation system and an increased radius for the emplacement drift turnout. (Previously, DOE proposed to use a stainless steel system (consisting of Bernold-plate liners and rock bolts) for emplacement drift ground support. DOE does not consider this ground support system an "item important to safety.")

Mr. Hinkley referred to DOE's previous proposal to provide conceptual information at the construction authorization phase, with more detailed design information to come when the DOE sought to amend its construction authorization to receive and emplace waste. He said that the NRC staff has been critical of this proposed approach and met with DOE to review the level-of-detail design issues. The issues under discussion were addressed in an NRC staff letter to DOE dated October 8, 2004. He said that the DOE is considering several level-of-detail design enhancements to address the October 2004 letter. He discussed some of these enhancements during his presentation.

Lastly, Mr. Hinkley reviewed DOE's approach to the thermal management of the underground repository. He talked about DOE's current thermal design criteria and design features of the geologic repository intended to help manage the thermal loads. DOE proposes an integrated system of engineered structures and systems for managing these loads, including a 21,000 MTHM thermal aging pad.

Following his presentation, Mr. Hinkley responded to several questions and requests for clarifications from the ACNW members and staff, including the following:

- the basis for the DOE decision to reduce the capacity of the thermal aging pad
- spent fuel blending and subsequent waste package handling (including cannister inspections and fuel aging) within the geologic repository operations area
- DOE operational plans for off-normal events (i.e., accidents) and repository closure
- DOE plans for managing LLW generated on site

Mr. Marty Malsch, representing the State of Nevada, made some observations on Mr. Hinkley's presentation:

- Additional work was still necessary to advance a DOE design with sufficient detail for an NRC license application.
- The State of Nevada disagrees with DOE's assessment of the risk and consequences of an aircraft crash at the site.

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- The 21,000 MTHM thermal aging pad is really a monitored retrieval storage facility in disguise.
- The stainless steel system for emplacement drift ground support should be considered an item important to safety because of the need to protect the retrievability option consistent with NRC's site-specific regulations.

**VIII. TRANSPORTATION ASPECTS OF THE YUCCA MOUNTAIN ENVIRONMENTAL
IMPACT STATEMENT UPDATE (OPEN)**

[Latif Hamdan was the Designated Federal Official for this part of the meeting.]

Gary Lanthrum, Director of the DOE's Office of National Transportation (ONT), briefed the Committee on the activities of his newly established office. He the current ONT office organization, responsibilities, and ongoing and planned office activities pertaining to the transportation of spent fuel and high-level radioactive waste (HLW) to a potential geologic repository at Yucca Mountain, Nevada.

Mr. Lanthrum said that ONT was established in the DOE's Office of Civilian Radioactive Waste Management (OCRWM) and became operational in August 2003. The office currently has two organizational units: the Operations Development Division and the Infrastructure Development Division. The office activities cover four program areas: institutional activities, operational infrastructure, fleet acquisition, and Nevada rail. Mr. Lanthrum said that ONT's responsibilities are to meet the requirements of the Nuclear Waste Policy Act (NWPA), to interact with the stakeholders, and to integrate the various components of the transportation program.

Mr. Lanthrum said that the current office work is contract intensive and that there is a need to build up the office's capabilities in transportation planning and operations so that ONT can develop transportation protocols, work with the States on emergency preparedness training funds, and procure shipping casks and railroad cars. He said the NWPA requires that all shipping casks meet the NRC shipping requirements and be certified by NRC and that technical assistance and funds be provided to States and tribes for emergency preparedness planning and training. He said that the program is driven by external drivers and that funding is going to be a fairly significant constraint.

Mr. Lanthrum discussed some of ONT's accomplishments in FY 2004 and planned activities for FY 2005. He said that DOE announced its preference for the Caliente corridor in December 2003 and issued a notice of intent in April 2004 on rail alignments for construction and operation of a rail line for transportation of radioactive nuclear waste in Nevada, including an environmental impact statement (EIS). He said that DOE held public EIS scoping meetings at five locations in Nevada and received over 4,000 comments, and that work on the EIS began in June 2004 and was moving forward. ONT also issued a strategic plan in November 2004. The plan involved considerable coordination with the regional groups.

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Mr. Lanthrum said the actual funding for FY 2005 was significantly below the budget request. He said ONT's priorities in 2005 are getting the EIS thoroughly funded and collecting the field data to support the EIS, working on the conceptual design for casks and rail cars, more robust planning, and getting feedback on the notion of using a dedicated train to ship waste to the potential repository. He said that the scope of the EIS has increased and that DOE is studying additional rail alignment options. ONT plans to complete the final EIS in FY 2006.

Mr. Lanthrum said that ONT is working with individual states and tribes and with the Transportation External Coordinating Working Group (TEC) to identify what kinds of activities will be fundable under the NWPA. ONT is also making progress on defining the criteria and methodology for selecting the transportation routes and identifying the funding requirements.

Mr. Lanthrum said that ONT is trying to establish the approach for procuring transportation casks and for aging waste at the potential repository site. He said that there has been some discussion of "interfacing" the casks and railroad cars with the surface facilities at the potential repository site. Furthermore, he said ONT will focus on acquisitions that will advance infrastructure development without major capital requirements.

Mr. Lanthrum said ONT had had a number of meetings with NRC's Spent Fuel Project Office, which will be responsible for the cask certification. He said ONT's goal is to procure a minimum suite of casks and go through the fewest number of certifications. ONT wants to have casks that provide maximum flexibility in terms of fuel compatibility and handling capability. He said that 60 percent of the commercial waste could be shipped by existing cask designs, but that only half of that can be handled by the current infrastructure at the utilities. He said the next step is request for proposals for conceptual designs to fill the need for additional shipping cask designs.

Mr. Lanthrum said that ONT's early evaluation of rail car manufacturing was encouraging and that they are looking at a 5-year timeframe for the procurement of conceptual designs, prototype development and testing, and the final procurement process for the actual fabrication. ONT will have a number of shipment facilities, including a fleet management facility for truck shipments, to ensure that the casks meet the 10 CFR Part 71 quality assurance and quality control requirements and a fleet operations center to maintain communications.

Mr. Lanthrum discussed operational planning and the need to take credit for fuel burnup in the cask design, security and threat analysis, and optimization of transportation planning. He said ONT is working on an optimization model for transportation, and has a number of modeling tools, including a planning model (for determining how many casks and many rail cars we need to get the kind of throughput we need), and a model to maximize the throughput with the available resources.

Mr. Lanthrum responded to questions from Committee members and staff about transportation safety, construction difficulties for the Caliente corridor, transportation route seismicity issues, possible commercial uses of the corridor railroad, affected people and potential environmental

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impacts in Nevada and other States, local versus global transportation plan optimization, the more details about the train shipment and how the shipments would interconnect with the surface facilities at Yucca Mountain, funding, and possible court challenges.

IX. ELECTRIC POWER RESEARCH INSTITUTE TOPICAL REPORT ON FUTURE SYSTEM STATES (OPEN)

[Michael Lee was the Designated Federal Official for this part of the meeting.]

In a decision dated July 9, 2004, the U.S. Courts of Appeals for the District of Columbia Circuit found that the 10,000-year compliance period (hereafter the time period of compliance or TOC) specified by the U.S. Environmental Protection Agency (EPA) for its Yucca Mountain site-specific radiation standards at 40 CFR Part 197 violated Section 801 of the Energy Policy Act of 1992 or EnPA.² In its decision, the Court vacated the parts of the EPA (Part 197) and NRC (10 CFR Part 63) site-specific regulations that reference a 10,000-year TOC. Consistent with the Court's decision (and with Section 801 of EnPA), EPA must now revise Part 197 to be consistent with the National Academy of Sciences' (NAS') 1995 findings and recommendations TOC.³ It is not clear what changes EPA is contemplating its standards to address the 2004 court remand and more accurately reflect the NAS' recommendations. Although the two agencies have discussed possible changes to the radiation standards, EPA has not disclosed its plans for revising Part 197 have not been disclosed.

²At a minimum, under the EnPA, the NAS was required to provide recommendations on reasonable standards that address (a) whether health-based standards, based on doses to individual members of the public, from releases to the accessible environment will provide a reasonable standard; (b) whether a system of post-closure oversight, based on active institutional controls, can prevent unreasonable risk of breaching engineered or geologic barriers and prevent an increase in individual doses above allowable limits; and whether it is possible to make scientifically supportable predictions of the probability that repository barriers will be breached as a result of human intrusion, over a 10,000-year period.

³On August 1, 1995, the RAS Committee on Technical Bases for Yucca Mountain Standards, of the National Research Council issued a report, "Technical Bases for Yucca Mountain Standards" (or TYMS report). The report found that with respect to the length of TOC that there was "no scientific basis for limiting the time period of the individual risk standard to 10,000 years or any other value" (p. 55). According to the Academy, "compliance assessment is feasible for most physical and geologic aspects of repository performance on the time scale of the long-term stability of the fundamental geologic regime—a time scale that is on the order of 10⁶ years at Yucca Mountain." (p. 6) The Academy also stated that humans may not face peak radiation risks until tens to hundreds of thousands of years after the disposal of wastes, "or even farther into the future" (p. 2). The Academy therefore recommended "that compliance assessment be conducted for the time when the greatest risk occurs, within the limits imposed by the long-term stability of the geologic environment."

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Dr. John Kessler, from the Electric Power Research Institute (EPRI), discussed his organization's interim report entitled "Yucca Mountain Licensing Standard Options for Very Long Time Frames—Technical Bases for the Standard and Compliance Assessments." He said that for several years now, EPRI and its contractors have been conducting performance assessments for the Yucca Mountain site independent of the assessments by the DOE and NRC staffs. EPRI's performance assessments are technically sophisticated and provide a useful alternative analytical perspective on the performance assessment issues under discussion. Because EPA is now considering a much longer regulatory TOC, EPRI has developed a set of draft recommendations for implementing the 2004 court ruling that EPRI believes are consistent with the NAS' 1995 findings and recommendations. The EPRI 2005 interim report does not revisit issues settled in the 2004 Court of Appeals ruling, seeks feedback from interested program participants on the merits of their proposals, currently available for review on the Internet.⁴ Dr. Kessler noted that most of the EPRI proposals being advanced applied to EPA as the agency responsible for addressing the 2004 court ruling.

Dr. Kessler then described how the EPRI interim report is organized and the key assumptions of the report. He also talked about how key TYMS recommendations affected the treatment of uncertainties in a long-timeframe Yucca Mountain compliance period. He said that there is very little domestic experience with performance assessments over the 10^6 year timescales recommended by the NAS. Before the Court remand, EPA's regulatory paradigm in 40 CFR Part 191 was 10,000 years, which applied both to generic geologic repositories for high-level radioactive wastes and transuranic and defense radioactive wastes (e.g., the Waste Isolation Pilot Plant). Citing international repository experience, Dr. Kessler said that there is no consensus regarding a TOC for deep-geologic-repository performance assessments. He said that performance assessment TOCs used by foreign practitioners and regulators can be considerably longer; although 10,000-year TOCs are common, some TOCs can range up to 100,000 years. In some cases, there is no regulatory TOC cutoff. These perspectives are worth noting because the issue of radiological dose limits comes to mind when considering longer timeframe compliance periods. Dr. Kessler said that current (2000)⁵ and proposed recommendations⁶ of the International Commission on Radiological Protection (ICRP) may offer some guidance for EPA on specifying dose limits in any future Yucca Mountain TOC. Doses on the order of 10^2 mrem/year for deep geologic repositories appear to be the international standard. In considering dose, he said EPA should consider that the TYMS-recommended *negligible incremental risk* or NIR

⁴At <http://www.epriweb.com/public/000000000001011754.pdf>

⁵International Commission on Radiological Protection, "International Commission on Radiological Protection Radiation Protection Recommendations as Applied to the Disposal of Long-Lived Solid Radioactive Waste" *Journal of the ICRP*, Vol. 28, no. 4, 2000, [ICRP Publication 81.

⁶Unpublished 2005 consultation draft.

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concept⁷ concerning the incremental effects of FEPS as a means of addressing uncertainty in future system states.

Because a much longer regulatory TOC is now under consideration, Dr. Kessler said EPRI sought to remind program participants of the concern already recognized internationally regarding the utility of long-timeframe performance assessment results given the temporal uncertainties of the analyses.⁸ A key issue in any performance assessment is the consideration of FEPS—features, events, and processes—that are used to define and predict the future state of the repository system. The TYMS report expressed the view that most FEPS (and the attendant uncertainties) were sufficiently quantifiable for the purposes of performance assessments. The exceptions were future human behavior, seismicity, volcanism, and climate change. The interim report argues that with the exception of climate, the aforementioned FEPS could be quantitatively bounded or addressed via rulemaking for a TOC greater than 10,000 years. However, in EPRI's view, future climate states at the Yucca Mountain site will need to be treated fundamentally differently if the time period of compliance is extended beyond 10,000 years. This is because EPRI believes that uncertainties related to the estimate of peak health risk (dose risk) will grow with time to roughly the time of peak risk. For example, uncertainties in future climate states (in the magnitude and rate of change) increase in the future, especially so for time periods beyond the order of 10⁴ years.

Dr. Kessler said the key recommendations of EPRI's interim report are as follows:

- Because the court rejected all challenges to the existing regulations for the first 10,000 years, EPA should take a surgical approach to revising its standard: specifying beyond 10,000 year requirements as separate, stand-alone provisions that do not alter the requirements for the first 10,000 years.
- A change of approach to the regulation and its implementation should be adopted for those provisions of the regulation that will address time frames beyond 10,000 years if the regulation, as a whole, is to remain implementable.
- NRC should use a "stylized" approach for scenario identification and level of rigor in the models for time periods beyond 10,000 years.

⁷Generally understood to mean that scenarios with a sufficiently low combination of probability and dose consequences need not be considered in a compliance analysis. Based on the recommendations of the National Council on Radiation Protection, this would be about 1 mrem/year.

⁸Because of temporal variations in geologic repository system components (both natural and man-made), the Nuclear Energy Agency has previously recommended the use of incremental or discrete time frames for evaluating repository performance, similar to earlier recommendations of the ACNW.

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Before finalizing the report, Dr. Kessler EPRI sought feedback from interested program participants on the recommendations of the interim report. He said EPRI might sponsor a workshop in the near future to further explore some of the issues and merits of the interim recommendations, before finalizing the report sometime in the fall of 2005.

During and after his presentation, Dr. Kessler responded to questions and comments from the ACNW members and staff. At times, Dr. Matthew Kozak, representing Monitor Scientific, one of the report's coauthors, supplemented Dr. Kessler's responses

X. JAPAN WASTE MANAGEMENT VISIT (OPEN)

[Neil Coleman was the Designated Federal Official for this part of the meeting.]

The lead ACNW staff person for the trip to Japan talked about four places on the itinerary. The members will visit nuclear regulators in Tokyo, to the high-level waste demonstration site in northern Japan, and then visit the nuclear complexes at Rokkasho-Mura and Tokai-Mura. The members reviewed three of the five talks that the ACNW group will give in Tokyo on May 16, 2005. The Japanese have requested that Chairman Ryan give his talk on LLW twice—in Tokyo and during the visit to Rokkasho-Mura. Copies of the talks will be given to the Commission staff in advance of the trip. The titles of the talks are as follows:

- (1) Overview of the U.S. Nuclear Waste Regulatory Framework and the Role of the Advisory Committee on Nuclear Waste — Chairman Mike Ryan
- (2) Review of U.S. High-Level Waste Processing — Vice Chairman Allen Croff
- (3) Decommissioning 2005 and Beyond — Member James Clarke
- (4) Geology and Engineered Barriers for the Proposed Yucca Mountain High-Level Waste Repository — Neil Coleman (Senior Staff Scientist)
- (5) U.S. Experience and Practices in Low-level Waste Management — Chairman Mike Ryan

The ACNW group will be in Japan from May 15 to May 21. Information gathered on this trip will be discussed at the ACNW meeting in June or July 2005. A detailed trip report will also be prepared.

information technology, e.g., permitting electronic submissions of responses.

ADDRESSES: Send comments to: Karen Motylewski, Research Officer, Institute of Museum and Library Services, 1100 Pennsylvania Avenue, NW., Room 802 Washington, DC 20506. Ms. Motylewski can be reached on telephone: 202-606-5551, or my e-mail at kmotylewski@imls.gov. After April 25, 2005, use the following contact information, Karen Motylewski, Research Officer, Institute of Museum and Library Services, 1800 M Street, NW., 9th Floor, Washington, DC 20036-5841. Ms. Motylewski can be reached on telephone: 202-653-4686; Fax: 202-653-4625; or by e-mail at kmotylewski@imls.gov.

SUPPLEMENTARY INFORMATION:

Background: The Institute of Museum and Library Services is charged with promoting the improvement of library and museum services for the benefit of the public. Through grantmaking and leadership activities, IMLS seeks to assure that libraries and museums are able to play an active role in cultivating an educated and engaged citizenry. IMLS builds the capacity of libraries and museums by encouraging the highest standards in management, public service, and education, leadership in the use of technology, strategic planning for results, and partnerships to create new networks that support lifelong learning and the effective management of assets.

According to its strategic plan, IMLS is dedicated to creating and sustaining a nation of learners by helping libraries and museum service their communities. IMLS believes that libraries and museums are key resources for education in the United States and promotes the vision of a learning society in which learning is seen as a community-wide responsibility supported by both formal and informal educational entities.

Current Actions

Under its convening authority IMLS brought together 64 professionals from the fields of museum, library, and K-12 education on August 30-31, 2004 to explore the current status of knowledge about the learning outcomes, impact, and potential implications of formal collaboration among organizations and institutions in these fields. IMLS's purpose was to increase cross-disciplinary information sharing for the purposes of strengthening learning in the K-12 years and building collaborations to support formal K-12 education. In accordance with the President's Management Agenda, the

Government Performance and Results Act of 1993, and the Office of Management and Budget program assessment initiatives, IMLS wishes to measure the extent to which this meeting met IMLS's goals.

Agency: Institute of Museum and Library Services.

Title: Program evaluation of a workshop to foster discussion of strengthening learning through collaborations among libraries, museums, and K-12 education.

OMB Number: n/a.

Agency Number: 3137.

Frequency: One time.

Affected Public: Museums, libraries, K-12 education outlets.

Number of Respondents: 64.

Estimate Time Per Respondent: 20 minutes.

Total Burden Hours: 21.

Total Annualized capital/startup costs: 0.

Total Annual costs: \$3000.00.

Contact: Send comments to Karen Motylewski, Research Officer, Institute of Museum and Library Services, 1100 Pennsylvania Avenue, NW., Room 802, Washington, DC 20506. Ms. Motylewski can be reached on telephone: 202-606-5551, or by e-mail at kmotylewski@imls.gov. After April 25, 2005, use the following contact information. Karen Motylewski, Research Officer, Institute of Museum and Library Services, 1800 M Street, NW., 9th Floor, Washington, DC 20036-5841. Ms. Motylewski can be reached on telephone: 202-653-4686; Fax: 202-653-4625; or by e-mail at kmotylewski@imls.gov.

Dated: April 8, 2005.

Rebecca Danvers,
Director, Office of Research and Technology.
[FR Doc. 05-7548 Filed 4-14-05; 8:45 am]
BILLING CODE 7036-01-M

NUCLEAR REGULATORY COMMISSION

[Docket No. 52-007]

Exelon Generation Company, LLC; Correction; Notice of Public Meeting on the Draft Environmental Impact Statement for an Early Site Permit (ESP) at the Exelon ESP Site; Correction

AGENCY: Nuclear Regulatory Commission.

ACTION: Notice of public meeting; correction.

SUMMARY: This document corrects a notice appearing in the *Federal Register* that announced a public meeting to be

held to discuss the Draft Environmental Impact Statement for an ESP at the Exelon ESP Site and to accept public comments. This action is necessary to correct an erroneous street address in the April 8, 2005 notice (70 FR 18063). **FOR FURTHER INFORMATION CONTACT:** Mr. Thomas Kenyon, Project Manager, Office of Nuclear Reactor Regulation, telephone (301) 415-1120.

SUPPLEMENTARY INFORMATION: In the April 8, 2005 notice (70 FR 18063) on page 18063, in the second column, the street address is changed from "401 N. Center Street" to "701 Illini Drive."

Dated at Rockville, Maryland, this 12th day of April 2005.

For the Nuclear Regulatory Commission.

Samson S. Lee,

Acting Program Director, License Renewal and Environmental Impacts Program, Division of Regulatory Improvement Programs, Office of Nuclear Reactor Regulation.

[FR Doc. 05-7566 Filed 4-14-05; 8:45 am]

BILLING CODE 7590-01-P

NUCLEAR REGULATORY COMMISSION

Advisory Committee On Nuclear Waste; Revised

The 159th Advisory Committee on Nuclear Waste (ACNW) meeting scheduled to be held on April 18-19, 2005, Room T-2B3, Two White Flint North, 11545 Rockville Pike, Rockville, Maryland had been changed. The agenda for the meeting on April 18, 2005, has been modified as noted below:

- 10:30 a.m.-10:40 a.m.: *Opening Remarks by the ACNW Chairman (Open)*—The Chairman will make opening remarks regarding the conduct of today's sessions.

- 10:40 a.m.-12 noon: *Preparation of ACNW Reports/Letters (Open)*—The Committee will discuss letters on Groundwater Recharge Model Abstraction and Validation, and Time-Period of Compliance for a Proposed High-Level Waste Geologic Repository.

- 1:30 p.m.-3 p.m.: *NMSS Division Directors' Quarterly Program Update (Open)*—The NMSS Division Directors will brief the Committee on recent activities of interest within their respective programs.

- 3 p.m.-3:45 p.m.: *Low Level Waste Annual Update (Open)*—NRC staff will brief the Committee on planned activities and emerging issues in the area of Low Level Waste.

- 4 p.m.-5 p.m.: *ACNW White Paper on Low-Level Radioactive Waste (Open)*—The Committee will comment on the draft outline for the proposed

White Paper. In addition, the Committee will discuss progress on specific sections of this White Paper, for example Section 1, "Origins and History."

• 5 p.m.-6 p.m.: *Discussion of April 14-15, 2005, Visit to the Center for Nuclear Waste Regulatory Analyses (CNWRA) (Open)*—An ACNW Subcommittee will report on the outcome of its recent visit to the CNWRA to review ongoing technical assistance work for NMSS' HLW programs.

All the other items remain the same as previously published in the **Federal Register** on Thursday, April 7, 2005 (70 FR 17722).

For further information, contact Mr. Richard K. Major (telephone 301-415-7366), between 8:15 a.m. and 6 p.m. e.t.

Dated: April 11, 2005.

Andrew L. Bates,

Advisory Committee Management Officer.

[FR Doc. E5-1782 Filed 4-14-05; 8:45 am]

BILLING CODE 7590-01-P

NUCLEAR REGULATORY COMMISSION

Sunshine Federal Register Notice

AGENCY HOLDING THE MEETINGS: Nuclear Regulatory Commission.

DATES: Weeks of April 18, 25, May 2, 9, 16, 23, 2005.

PLACE: Commissioner's Conference Room, 11555 Rockville Pike, Rockville, Maryland.

STATUS: Public and closed.

MATTERS TO BE CONSIDERED:

Week of April 18, 2005

Tuesday, April 19, 2005

9 a.m.—Discussion of Enforcement Issue (Closed—Ex. 5).

9:30 a.m.—Discussion of Security Issues (Closed—Ex. 1).

Wednesday, April 20, 2005

12:55 p.m.—Affirmation Session (Public Meeting) [Tentative] [Note: New Meeting Time].

a. (1) EXELON GENERATION COMPANY, LLC (Early Site Permit for Clinton ESP Site), Docket No. 52-007-ESP; (2) DOMINION NUCLEAR NORTH ANNA, LLC (Early Site Permit for North Anna ESP Site), Docket No. 52-008-ESP; (3) SYSTEM ENERGY RESOURCES, INC. (Early Site Permit for Grand Gulf ESP Site), Docket No. 52-009-ESP; (4) LOUISIANA ENERGY SERVICES, L.P. (National Enrichment Facility), Docket No. 70-3103-ML; (5) USEC Inc. (American Centrifuge Plant), Docket No. 70-7004 (Tentative)

1 p.m.—Briefing on Office of Nuclear Reactor Regulation (NRR) Programs, Performance, and Plans (Public Meeting) (Contact: Laura Gerke, 301-415-4099) [Note: New Meeting Time].

This meeting will be Web cast live at the Web address—<http://www.nrc.gov>.

3:15 p.m.—Meeting with Advisory Committee on the Medical Uses of Isotopes (ACMUI) (Public Meeting) (Contact: Angela McIntosh, 301-415-5030) [Note: New Meeting Time].

This meeting will be Web cast live at the Web address—<http://www.nrc.gov>.

Thursday, April 21, 2005

1:30 p.m.—Discussion of Security Issues (Closed—Ex. 1).

3 p.m.—Discussion of Security Issues (Closed—Ex. 1).

Week of April 25, 2005—Tentative

Tuesday, April 26, 2005

9:30 a.m.—Briefing on Grid Stability and Offsite Power Issues (Public Meeting) (Contact: John Lamb, 301-415-1446).

This meeting will be Web cast live at the Web address—<http://www.nrc.gov>.

Week of May 2, 2005—Tentative

There are no meetings scheduled for the Week of May 2, 2005.

Week of May 9, 2005—Tentative

Wednesday, May 11, 2005

10:30 a.m.—All Employees Meeting (Public Meeting).

1:30 p.m.—All Employees Meeting (Public Meeting).

Week of May 16, 2005—Tentative

There are no meetings scheduled for the Week of May 16, 2005.

Week of May 23, 2005—Tentative

Monday, May 23, 2005

1:30 p.m.—Discussion of Security Issues (Closed—Ex. 1).

Wednesday, May 25, 2005

9:30 a.m.—Briefing on Results of the Agency Review Meeting (Public Meeting) (Contact: Lois James, 301-415-1112).

This meeting will be Web cast at the Web address—<http://www.nrc.gov>.

1:30 p.m.—Briefing on Threat Environment Assessment (Closed—Ex. 1).

*The schedule for Commission meetings is subject to change on short notice. To verify the status of meetings call (recording)—(301) 415-1292.

Contact person for more information: Dave Gamberoni, (301) 415-1651.

* * * * *

The NRC Commission Meeting Schedule can be found on the Internet at: <http://www.nrc.gov/what-we-do/policy-making/schedule.html>.

* * * * *

The NRC provides reasonable accommodation to individuals with disabilities where appropriate. If you need a reasonable accommodation to participate in these public meetings, or need this meeting notice or the transcript or other information from the public meetings in another format (e.g. braille, large print), please notify the NRC's Disability Program Coordinator, August Spector, at 301-415-7080, TDD: 301-415-2100, or by e-mail at aks@nrc.gov. Determinations on requests for reasonable accommodation will be made on a case-by-case basis.

* * * * *

This notice is distributed by mail to several hundred subscribers; If you no longer wish to receive it, or would like to be added to the distribution, please contact the Office of the Secretary, Washington, DC 20555 (301-415-1969). In addition, distribution of this meeting notice over the Internet system is available. If you are interested in receiving this Commission meeting schedule electronically, please send an electronic message to dkw@nrc.gov.

Dated: April 12, 2005.

Dave Gamberoni,

Office of the Secretary.

[FR Doc. 05-7654 Filed 4-13-05; 9:22 am]

BILLING CODE 7590-01-M

PENSION BENEFIT GUARANTY CORPORATION

Required Interest Rate Assumption for Determining Variable-Rate Premium; Interest on Late Premium Payments; Interest on Underpayments and Overpayments of Single-Employer Plan Termination Liability and Multiemployer Withdrawal Liability; Interest Assumptions for Multiemployer Plan Valuations Following Mass Withdrawal

AGENCY: Pension Benefit Guaranty Corporation.

ACTION: Notice of interest rates and assumptions.

SUMMARY: This notice informs the public of the interest rates and assumptions to be used under certain Pension Benefit Guaranty Corporation regulations. These rates and assumptions are published elsewhere (or can be derived from rates

findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter 1, which are set forth in the license. In addition, in accordance with 10 CFR 72.7, the Commission has determined that the exemption is authorized by law and will not endanger life or property or the common defense and security and is otherwise in the public interest. Public notice of the proposed action and opportunity for hearing regarding the proposed issuance of the renewed license was published in the *Federal Register* on April 15, 2004 (69 FR 20073).

FOR FURTHER INFORMATION CONTACT: Supporting documentation is available for inspection at NRC's Public Electronic Reading Room at: <http://www.nrc.gov/reading-rm/ADAMS.html>. A copy of the license application, dated February 27, 2004, and the staff's Environmental Assessment, dated March 2005, can be found at this site using the Agency Document And Management System (ADAMS) accession numbers ML040690774 and ML050700137.

Dated in Rockville, Maryland, this 30th day of March, 2005.

For the Nuclear Regulatory Commission,
Christopher M. Regan,
Senior Project Manager, Licensing Section,
Spent Fuel Project Office, Office of Nuclear
Material Safety and Safeguards.
[FR Doc. E5-1595 Filed 4-6-05; 8:45 am]
BILLING CODE 7590-01-P

NUCLEAR REGULATORY COMMISSION

Workshop To Discuss What Is or Is Not Material to the Completion of Inspections, Tests, and Acceptance Criteria (ITAAC)

AGENCY: Nuclear Regulatory Commission.

ACTION: Notice of public workshop.

SUMMARY: The NRC needs to establish the basis for categorizing NRC inspection results during new reactor construction under 10 CFR part 52. In order to meet that goal, the NRC is holding a workshop to explore stakeholder views on what types of NRC inspection results could call into question the completion of the ITAAC for a particular certified reactor design.

SUPPLEMENTARY INFORMATION:

The Goal of the Workshop

The determination of whether a nuclear plant licensed under 10 CFR part 52 has been built in accordance with its design is dependent on the

satisfactory completion by the licensee of all the related ITAAC. This workshop is for the NRC to understand stakeholder views on why various NRC inspection results may or may not be material to the successful completion of ITAAC. Being "material to an ITAAC" means the satisfactory completion of an ITAAC may be called into question. The labels and groupings previously used to describe NRC construction inspection results may no longer be applicable. The NRC believes it should listen to and understand the views of all stakeholders before reaching a decision on the need for any new groupings and labels to describe NRC construction inspection results. The NRC has made the examples to be discussed during the workshop available electronically at the Commission's Public Document Room in Rockville, Maryland or from the Publicly Available Records (PARS) component Agencywide Document Access and Management System (ADAMS) (Accession ML050870507). ADAMS can be accessed via the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the public electronic reading room). All participants are encouraged to review the examples before the workshop and come prepared to discuss their own points of view.

Some of the potential topics for discussion could include the following:

- Various interpretations of the examples.
- The groupings of the examples based on materiality to ITAAC completion.
- The need for additional examples in order to capture all possible groupings.
- What makes a particular example material to ITAAC.
- The possible actions of both the NRC and a licensee for each grouping.

Workshop Information

DATES: May 4, 2005, from 8:30 a.m. to 3:30 p.m.

Location: U.S. Nuclear Regulatory Commission, Two White Flint North Auditorium on Rockville Pike in Rockville, Maryland. All visitors should enter through the Two White Flint main entrance. No parking is available at the NRC headquarters. The NRC is located across from the White Flint Metro Station on the Red Line.

Registration: Individuals planning to attend the workshop are asked to pre-register for the workshop at e-mail address—CLPWorkshop@NRC.gov. Please provide the following information when pre-registering: Name; organization; country; and phone number or e-mail address.

Agenda: The workshop activities will consist of an introduction and

discussion of anticipated workshop outcomes; assignment of participants into work teams; work team discussion of and deliberation on construction inspection examples for materiality to ITAAC; and group discussion of work team results.

FOR FURTHER INFORMATION CONTACT:

Mary Ann M. Ashley, Team Leader, Construction Inspection Program, Inspection Program Branch, Mail Stop O-7H4, U.S. Nuclear Regulatory Commission, Washington DC 20555-0001. Ms. Ashley can be reached at (301) 415-1073 or by e-mail at mab@nrc.gov.

Dated in Rockville, Maryland, this 30th day of March, 2005.

For the Nuclear Regulatory Commission,
Stuart A. Richards,
Chief, Inspection Program Branch, Division of Inspection Program Management, Office of Nuclear Reactor Regulation.
[FR Doc. E5-1598 Filed 4-6-05; 8:45 am]
BILLING CODE 7590-01-P

NUCLEAR REGULATORY COMMISSION

Advisory Committee on Nuclear Waste; Notice of Meeting

The Advisory Committee on Nuclear Waste (ACNW) will hold its 159th meeting on April 18-19, 2005, Room T-2B3, Two White Flint North, 11545 Rockville Pike, Rockville, Maryland. The date of this meeting was previously published in the *Federal Register* on Wednesday, December 8, 2004 (69 FR 71084).

The schedule for this meeting is as follows:

Monday, April 18, 2005

10:30 a.m.-10:40 a.m.: Opening Statement (Open)—The ACNW Chairman will make opening remarks regarding the conduct of today's sessions.

10:40 a.m.-12 noon: Preparation of ACNW Reports (Open)—The Committee will discuss potential letter reports on Ground Water Recharge Model Abstraction and Validation, and Time-Period of Compliance for a Proposed High-Level Waste Geologic Repository. Other potential letter reports may be discussed.

1:30 p.m.-3:30 p.m.: NMSS Division Directors' Quarterly Program Update (Open)—The NMSS Division Directors will brief the Committee on recent activities of interest within their respective programs.

3:45 p.m.–4:45 p.m.: *ACNW White Paper on Low-Level Radioactive Waste* (Open)—The Committee will comment on the draft outline for the proposed White Paper. In addition, the Committee will discuss progress on specific sections of this White Paper, for example Section 1, "Origins and History."

4:45 p.m.–5:30 p.m.: *Discussion of April 14–15, 2005, Visit to the Center for Nuclear Waste Regulatory Analyses (CNWRA)* (Open)—An ACNW Subcommittee will report on the outcome of its recent visit to the CNWRA to review ongoing technical assistance work for NMSS' HLW programs.

Tuesday, April 19, 2005

8:30 a.m.–8:40 a.m.: *Opening Remarks by the ACNW Chairman* (Open)—The ACNW Chairman will begin the meeting with brief opening remarks, outline the topics to be discussed, and indicate items of interest.

8:40 a.m.–9:40 a.m.: *National Source Tracking System* (Open)—The Committee will receive a briefing by and hold discussions with representatives of the NMSS staff regarding the current rulemaking efforts regarding the National Source Tracking System.

9:40 a.m.–11:40 a.m.: *Department of Energy (DOE) Repository Design* (Open)—The Committee will be briefed by representatives from the U.S. Department of Energy on the status of the design of the proposed geologic repository at Yucca Mountain, Nevada.

1 p.m.–2 p.m.: *Transportation Aspects of the Yucca Mountain Environmental Impact Statement (EIS) Update* (Open)—The Committee will hear a briefing by and hold discussions with representatives of DOE regarding the updates to the Yucca Mountain final EIS in light of the Department's specification of preferred transportation method and route for radioactive waste to the Yucca Mountain site.

2 p.m.–3:30 p.m.: *Electric Power Research Institute (EPRI) Topical Report on Future System States* (Open)—The Committee will be briefed on the conclusions and recommendations from EPRI's recently published report on the treatment of future system states in long time-frame performance assessments.

3:45 p.m.–4:30 p.m.: *Japan Waste Management Visit* (Open)—The ACNW members will discuss final

preparation for their May 14–21, 2005, trip to visit nuclear waste facilities and regulators in Japan.

4:30 p.m.–5:30 p.m.: *Discussion of Possible Letters* (Open)—The Committee will discuss prepared letters and determine whether letters would be written on topics discussed during the meeting.

5:30 p.m.–6 p.m.: *Miscellaneous* (Open)—The Committee will discuss matters related to the conduct of ACNW activities, and specific issues that were not completed during previous meetings, as time and availability of information permit. Discussions may include future Committee Meetings.

Wednesday and Thursday, April 20–21, 2005: NRC Decommissioning Workshop

The workshop is being held as part of the NRC staff's initiatives to continually improve the licensing process for decommissioning sites and terminating NRC licenses in accordance with 10 CFR part 20, subpart E. The ACNW will attend this workshop as observers. For more information on the workshop or to register on-line, visit: <http://www.nrc.gov/public-involve/conference-symposia/decommissioning.html>.

Procedures for the conduct of and participation in ACNW meetings were published in the *Federal Register* on October 18, 2004 (69 FR 61416). In accordance with these procedures, oral or written statements may be presented by members of the public. Electronic recordings will be permitted only during those portions of the meeting that are open to the public. Persons desiring to make oral statements should notify Ms. Sharon A. Steele (telephone (301) 415-6805), between 7:30 a.m. and 4 p.m. e.t., as far in advance as practicable so that appropriate arrangements can be made to schedule the necessary time during the meeting for such statements. Use of still, motion picture, and television cameras during this meeting will be limited to selected portions of the meeting as determined by the ACNW Chairman. Information regarding the time to be set aside for taking pictures may be obtained by contacting the ACNW office prior to the meeting. In view of the possibility that the schedule for ACNW meetings may be adjusted by the Chairman as necessary to facilitate the conduct of the meeting, persons planning to attend should notify Ms. Steele as to their particular needs.

Further information regarding topics to be discussed, whether the meeting has been canceled or rescheduled, the Chairman's ruling on requests for the

opportunity to present oral statements and the time allotted, therefore can be obtained by contacting Ms. Steele.

ACNW meeting agenda, meeting transcripts, and letter reports are available through the NRC Public Document Room (PDR) at pdrc@nrc.gov, or by calling the PDR at 1-800-397-4209, or from the Publicly Available Records System component of NRC's document system (ADAMS) which is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> or <http://www.nrc.gov/reading-rm/doc-collections/> (ACRS & ACNW Mtg schedules/agendas).

Video Teleconferencing service is available for observing open sessions of ACNW meetings. Those wishing to use this service for observing ACNW meetings should contact Mr. Theron Brown, ACNW Audiovisual Technician (301-415-8066), between 7:30 a.m. and 3:45 p.m. ET, at least 10 days before the meeting to ensure the availability of this service.

Individuals or organizations requesting this service will be responsible for telephone line charges and for providing the equipment and facilities that they use to establish the video teleconferencing link. The availability of video teleconferencing services is not guaranteed.

Dated: April 1, 2005.

Andrew L. Bates,
Advisory Committee Management Officer.
[FR Doc. E5-1597 Filed 4-6-05; 8:45 am]
BILLING CODE 7590-01-P

NUCLEAR REGULATORY COMMISSION

Sunshine Act Meeting

DATE: Week of April 4, 2005.

PLACE: Commissioners' Conference Room, 11555 Rockville Pike, Rockville, Maryland.

STATUS: Public and Closed.

MATTERS TO BE CONSIDERED:

Week of April 4, 2005

Monday, April 4, 2005

12:30 p.m. Discussion of Intergovernmental Issues [Closed—Ex. 9].

*The schedule for commission meetings is subject to change on short notice. To verify the status of meetings call (recording)—(301) 415-1292. Contact person for more information: Dave Camberoni, (301) 415-1651.

* * * * *

ADDITIONAL INFORMATION: By a vote of 5–0 on April 1, the Commission



APPENDIX B
UNITED STATES
NUCLEAR REGULATORY COMMISSION
ADVISORY COMMITTEE ON NUCLEAR WASTE
WASHINGTON, D.C. 20555-0001

April 6, 2005

REVISED

AGENDA
159th ACNW MEETING
APRIL 18-19, 2005

MONDAY, APRIL 18, 2005, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH,
ROCKVILLE, MARYLAND

- 10:35 - 10:40
- 1) 10:30 - 10:40 A.M. Opening Remarks by the ACNW Chairman (Open) (MTR/JTL)
The Chairman will make opening remarks regarding the conduct of today's sessions.
- 2) 10:40 - 12:00 Noon Preparation of ACNW Reports/Letters (Open) (All)
The Committee will discuss letters on:
10:40 - 12:05 - 2.1) Groundwater Recharge Model Abstraction and Validation (JHC/NMC) *approved*
2.2) Time-Period of Compliance for a Proposed High-Level Waste Geologic Repository (WJH/MPL)
- 12:00 - 1:30 P.M. ***LUNCH***
- 3) 1:30 - 3:00 P.M. NMSS Division Directors' Quarterly Program Update (Open) (MTR/JTL)
The NMSS Division Directors will brief the Committee on recent activities of interest within their respective programs.
- 3:00 - 3:45 P.M. Low Level Waste Annual Update (Open) (MTR/SAS)
NRC staff will brief the Committee on planned activities and emerging issues in the area of Low Level Waste.
- 4:05 - 4:20
- 3:45 - 4:00 P.M. ***BREAK***
- 5) 4:00 - 5:00 P.M. ACNW White Paper on Low-Level Radioactive Waste (Open) (MTR/SAS)
4:20 - 4:45
The Committee will comment on the draft outline for the proposed White Paper. In addition, the Committee will discuss progress on specific sections of this White Paper, for example Section 1, "Origins and History."

- 1:45 - 5:00 P.M.
 6) ~~5:00~~ - 6:00 P.M. Discussion of April 14-15, 2005, Visit to the Center for Nuclear Waste Regulatory Analyses (CNWRA) (Open) (RFW/RPS)
 An ACNW Subcommittee will report on the outcome of its recent visit to the CNWRA to review ongoing technical assistance work for NMSS' HLW programs.
- 5:25 P.M.
~~6:00 P.M.~~ **Adjourn**

TUESDAY, APRIL 19, 2005, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

- 7) 8:30 - 8:40 A.M. Opening Remarks by the ACNW Chairman (Open) (MTR/JTL)
 The Chairman will make opening remarks regarding the conduct of today's sessions.
- 8) 8:40 - 9:40 A.M. National Source Tracking System (Open) (AGC/RKM)
 The Committee will hear a briefing by and hold discussions with representatives of the NMSS staff regarding the current rulemaking efforts regarding the National Source Tracking System.
- 9:35 - 9:50
 9) ~~9:40~~ - 11:40 A.M. Department of Energy (DOE) Repository Design (Open) (AGC/MPL)
 9:50 - 11:34
 Representatives from the U.S. Department of Energy will brief the Committee on the status of the design of the proposed geologic repository at Yucca Mountain, Nevada.
 11:34 - 11:40
 Public comment by Marty Maisch, Nevada
 11:40 - 1:00 P.M. *****LUNCH*****
- 10) 1:00 - ~~2:00~~ P.M. Transportation Aspects of the Yucca Mountain Environmental Impact Statement (EIS) Update (Open) (RFW/LSH)
 2:08
 The Committee will hear a briefing by and hold discussions with representatives of DOE regarding the updates to the Yucca Mountain final EIS in light of the Department's specification of preferred transportation method and route for radioactive waste to the Yucca Mountain site.
- 2:05 - 2:08
 Public comment by Evan Treser, Boulder, Clark County, NV
 11) ~~2:00~~ - 3:30 P.M. Electric Power Research Institute (EPRI) Topical Report on Future System States (Open) (WJH/MPL)
 2:08 3:20
 The Committee will be briefed on the conclusions and recommendations from EPRI's recently published report on the treatment of future system states in long time-frame performance assessments.
- 3:20
~~3:30~~ - 3:45 P.M. *****BREAK*****

- 12) 3:45 - 4:30 P.M. Japan Waste Management Visit (Open) (MTR/NMC)
The ACNW members will discuss final preparations for their May 14-21, 2005, trip to visit nuclear waste facilities and regulators in Japan.
- 13) 4:30 - 5:30 P.M. Discussion of Possible Letters (Open) (All)
The Committee will discuss prepared letters and determine whether letters would be written on topics discussed during the meeting.
- ~~13.1) Groundwater Recharge (JHC/NMC)~~
13.2) Time of Compliance (WJH/MPL) 4:30 - 4:55
13.3) April 2005 CNWRA Program Review (RFW/RPS) 4:55 - 4:56
13.4) National Source Tracking System (AGC/RKM) 4:56 - 5:10
13.5) DOE's Repository Design (AGC/MPL) 5:10 - 5:15
13.6) DOE's Yucca Mountain Transportation EIS Update 5:15 - 5:25 (RFW/LSH)
13.7) EPRI Topical Report (WJH/MPL) 5:25 - 5:27
- 14) ~~5:30 - 6:00 P.M.~~ Miscellaneous (Open)
The Committee will discuss matters related to the conduct of ACNW activities and specific issues that were not completed during previous meetings, as time and availability of information permit. Discussions may include future Committee Meetings.
- 5:30
~~6:00 P.M.~~ Adjourn

WEDNESDAY AND THURSDAY, APRIL 20-21, 2005. NRC's DECOMMISSIONING WORKSHOP AT THE SHADY GROVE CENTER - THE UNIVERSITIES AT SHADY GROVE, 9530 GUDELSKY DRIVE, ROCKVILLE, MARYLAND (JHC/RKM)

The workshop is being held as part of the NRC staff's initiatives to continually improve the licensing process for decommissioning sites and terminating NRC licenses in accordance with 10 CFR Part 20, Subpart E. The ACNW will attend this workshop as observers. For more information on the workshop or to register on-line, visit: <http://www.nrc.gov/public-involve/conference-symposia/decommissioning.html>

NOTES:

- Presentation time should not exceed 50 percent of the total time allocated for a specific item. The remaining 50 percent of the time is reserved for discussion.
- **Thirty-Five (35) hard copies and one (1) electronic copy of the presentation materials should be provided to the ACNW.**
- ACNW meeting schedules are subject to change. Presentations may be canceled or rescheduled to another day. If such a change would result in significant inconvenience or hardship, be sure to verify the schedule with Ms. Sharon Steele at 301-415-6805 between 8:00 a.m. and 4:00 p.m. prior to the meeting.

APPENDIX C: MEETING ATTENDEES

159TH ACNW MEETING

ACNW MEMBERS

Michael Ryan, Chairman
Allen Croff, Vice Chairman
James Clarke
William Hinze
Ruth Weiner

ACNW STAFF

John Larkins
Neil Coleman
John Flack
Michele Kelton
Latif Hamdan
Michael Lee
Richard Major
Richard Savio
Sharon Steele

ATTENDEES FROM THE NUCLEAR REGULATORY COMMISSION

APRIL 18, 2005

T. Nicholson	RES
J. Rubenstone	NMSS
L. Kokajko	NMSS
W. Ford	NMSS
T. McCartin	NMSS
A. Campbell	NMSS
P. Reed	RES
A. Csontos	NMSS
A. Fetter	NMSS

APRIL 19, 2005

M. Delligatti	NMSS
T. Ahn	NMSS
E. Collins	NMSS
B. Ibrahim	NMSS
P. Reed	NMSS
M. Call	NMSS
E. Raphael	NMSS
M. Nataraja	NMSS
J. Ciocco	NMSS
J. Rubenstone	NMSS
M. Waters	NMSS
M. Wong	NMSS
P. Justus	NMSS
B. Jagannath	NMSS
J. Kotra	NMSS
A. Campbell	NMSS
R. Codell	NMSS
A. Fetter	NMSS
D. Galvin	NMSS

APPENDIX C
159TH ACNW MEETING
APRIL 18-19, 2005

ATTENDEES FROM OTHER AGENCIES AND GENERAL PUBLIC

APRIL 18 2005

E. von Tiesenhausen
N. Henderson
C. Hanlon
M. Malsch
D. Diodato

R. G. Vawter
B. Grove
J. Lieberman
J. Russell

CCCP
Bechtel SAIC Co. (BSC)
U.S. Department of Energy (DOE)
EFMOC
Nuclear Waste Technical Review Board
(NWTRB)
Self
Las Vegas Sun
Talismaw
Center for Nuclear Waste Regulatory
Analyses (CNWRA)

APRIL 19, 2005

E. von Tiesenhausen
C. Hanlon
N. Henderson
B. Hinkley
M. Kozak
M. Malsch
R. McCullum
A. Jennetti
R. Clark
A. Dravo
R. Finch
L. Finewood
J. Kessler
E. Ott
J. York
E. Hirew
J. Shaffner
D. Diodato

CCCP
DOE
BSC
DOE
Monitor Scientific
EFMOC
Nuclear Energy Institute
Fuel Cycle Week
U.S. Environmental Protection Agency
Booz Allen Hamilton
DOE
Booz Allen Hamilton
EPRI
DOE
BSC
Platts
Parallax
NWTRB

via Telecon

T. Devine

CRCPDS

APPENDIX D: FUTURE AGENDA

The Committee approved the following topics for discussion during its 160th meeting, scheduled for June 15–17, 2005:

- Full Report on the Visit to the CNWRA in San Antonio, Texas
- Status of Seismic Design Issues for Yucca Mountain
- License Termination Rule Working Group Meeting
- Risk Informing Office of Nuclear Material Safety and Safeguards Activities
- Generic Waste-Related Research in the Office of Nuclear Regulatory Research
- Control and Disposition of Solid Materials
- International Commission on Radiological Protection — Foundation Documents
- Preparation of ACNW Reports

APPENDIX E
LIST OF DOCUMENTS PROVIDED TO THE COMMITTEE

[Note: Some documents listed below may have been provided or prepared for Committee use only. These documents must be reviewed prior to release to the public.]

MEETING HANDOUTS

<u>AGENDA ITEM NO.</u>	<u>DOCUMENTS</u>
3	<u>NMSS Division Directors' Quarterly Program Update</u> 1. Division Director's Quarterly Program Update of the ACNW, presented by Larry Camper, Director, Division of Waste Management and Environmental Protection (DWMEP), NMSS [Viewgraphs]
4	<u>Low-Level Waste Annual Update</u> 2. Low-Level Radioactive Waste Annual Update for the Advisory Committee on Nuclear Waste, presented by James Kennedy, DWMEP, NMSS [Viewgraphs]
5	<u>ACNW White Paper on Low-Level Radioactive Waste</u> 3. LLW Outline for a White Paper (Draft), presented by Sharon Steele, ACNW (Prepared for Internal Committee Use) [Handout]
6	<u>Discussion of April 14–15, 2005, Visit to the Center for Nuclear Waste Regulatory Analyses</u> 4. Visit to the Center for Nuclear Waste Regulatory Analyses, presented by Ruth Weiner, ACNW [Viewgraphs]
8	<u>National Source Tracking System</u> 5. National Source Tracking Rulemaking, presented by Merri Horn, Division of Industrial and Medical Nuclear Safety, NMSS [Viewgraphs]
9	<u>Department of Energy Repository Design</u> 6. Preclosure and Repository Design Update, presented by Bruce Hinkley, Shaw/Stone & Webster, Office of Repository Development, DOE [Viewgraphs]

**APPENDIX E
159TH ACNW MEETING
APRIL 18–19, 2005**

MEETING HANDOUTS (CONT'D)

**AGENDA
ITEM NO.**

DOCUMENTS

9 (cont'd)

Department of Energy Repository Design (Cont'd)

7. Statement of Joseph R. Egan, Before the House Subcommittee on the Federal Workforce and Agency Organization, "Yucca Mountain Project: Have Federal Employees Falsified Documents," public comments presented by Marty Malsch, EFMOC **[Handout]**

10

Transportation Aspects of the Yucca Mountain Environmental Impact Statement Update

8. Office of National Transportation Update, presented by Gary Lanthrum, Director, Office of National Transportation, DOE **[Viewgraphs]**
9. Transportation Issue for the ACNW, Comments by E. von Tiesenhausen, CCCP **(Handout)**
10. Letter dated April 14, 2005, from Robert R. Loux, Executive Director, Office of the Governor, Agency for Nuclear Projects, State of Nevada, to Dr. Michael T. Ryan, Chairman, et al., regarding Nevada's Petition to the NRC to Amend 10 CFR Part 51, filed April 8, 2005 **[Handout]**

11

Electric Power Research Institute Topical Report on Future System States

11. Yucca Mountain Licensing Standard Options for Very Long Time Frames—Technical Bases and EPRI Recommendations, presented by John Kessler, Manager, HLW and Spent Fuel Management Program, EPRI **[Viewgraphs]**

APPENDIX E
158TH ACNW MEETING
MARCH 15-17, 2005

MEETING NOTEBOOK CONTENTS

TAB
NUMBER

DOCUMENTS

Revised Agenda, 159th ACNW Meeting, April 18–19, 2005, dated April 6, 2005

Color Code–ACNW Meeting, dated April 6, 2005

Introductory Statement by ACNW Chairman, Monday, April 18, 2005, undated

Items of Interest, undated

Introductory Statement by ACNW Chairman, Tuesday, April 19, 2005, undated

3 **NMSS Division Directors' Quarterly Program Update**

1. Status Report

2. Questions for NMSS Division Directors' Briefing of ACNW on April 18, 2005
[Prepared for ACNW Internal Use Only]

4 **Low-Level Waste Annual Update**

3. Low-Level Disposal Options [Pre-Decisional Information—Not for Release
Outside of NRC]

4. Paper by Margaret V. Federline, Deputy Director, NMSS, "Management and
Disposal Strategies for Low-Activity Waste in the U.S."

5 **ACNW White Paper on Low-Level Radioactive Waste**

5. LLW Outline for a White Paper [Draft], 3/25/05 [Prepared for ACNW
Internal Use Only]

8 **National Source Tracking System**

6. Schedule

7. Status Report

APPENDIX E
158TH ACNW MEETING
MARCH 15-17, 2005

8. Letter dated October 17, 2002, from George M. Hornberger, Chairman, to The Honorable Richard A. Meserve, Subject: Orphan Sources
9. Memorandum undated from Luis A. Reyes, Executive Director, NRC, for The Commissioners, Subject: Proposed Rule: National Source Tracking of Sealed Sources (RIN 3150-AH48) **[Official Use Only]**

9 Department of Energy Repository Design

10. Status Report
11. Viewgraphs on Repository Design Update, by Jim Gardiner, DOE, presented at the September 26, 2002, ACNW Meeting

10 Transportation Aspects of the Yucca Mountain Environmental Impact Statement

12. Status Report
13. Discussion Draft, Office of National Transportation Overview
14. Viewgraphs on Final Environmental Impact Statement for a Geologic Repository at Yucca Mountain, by Robin Sweeney, DOE, presented at the September 26, 2002, ACNW Meeting

11 Electric Power Research Institute Topical Report on Future System States

15. Status Report **[Internal ACNW Use Only]**

12 Japan Waste Management Visit

16. Revised List of ACNW Talks — Day 1 Meeting In Tokyo
17. Map of different Japanese sites
18. Itinerary
19. Background of Nuclear Power in Japan

APPENDIX E
158TH ACNW MEETING
MARCH 15-17, 2005

MEETING NOTEBOOK CONTENTS (CONT'D)

TAB
NUMBER

DOCUMENTS

Workshop	<u>Decommissioning Guidance Development Stakeholders Meeting</u>
	20. Status Report
	21. Agenda
	22. Directions to The Universities at Shady Grove
	23. Regulatory Issue Summary, NRC Regulatory Issue Summary 2004-08 Results of the License Termination Rule Analysis, May 28, 2004