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

July 30, 2007

MEMORANDUM TO: ACNW&M Members
ACNW&M Staff

FROM: Michele S. Kelton
Technical Secretary, ACNW&M

SUBJECT: CERTIFIED MINUTES OF THE 179TH MEETING OF THE ADVISORY COMMITTEE ON NUCLEAR WASTE AND MATERIALS (ACNW&M) MAY 16–17, 2007

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

Attachment:
Certified Minutes of the179th Meeting
May 16-17, 2007

cc: A. Bates, SECY (O-16C1)
S. Jones, NMSS (T-8A23)
J. Lamb, OEDO (O-16E15)

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

MEMORANDUM TO: Antonio Dias, Branch Chief
Advisory Committee on Nuclear Waste and Materials

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

SUBJECT: PROPOSED MINUTES OF THE 179TH MEETING OF THE ADVISORY COMMITTEE ON NUCLEAR WASTE AND MATERIALS (ACNW&M) MAY 16–17, 2007

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

July 30 , 2007
Date:

(1) Minutes of the 179th Meeting of the ACNW&M held May 16–17, 2007, dated July 30, 2007.

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

July 30, 2007

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

FROM: Michele S. Kelton, Technical Secretary
Advisory Committee on Nuclear Waste and Materials

SUBJECT: PROPOSED MINUTES OF THE 179TH MEETING OF THE ADVISORY COMMITTEE ON NUCLEAR WASTE AND MATERIALS (ACNW&M) MAY 16–17, 2007

Enclosed are the proposed minutes of the 179 th meeting of the ACNW&M. 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 &M Members
ACNW &M Staff

CERTIFIED
7/30/07
By MICHAEL T. RYAN

Issued: 7/30/07

CERTIFIED MINUTES OF THE 179TH MEETING OF THE ADVISORY COMMITTEE ON NUCLEAR WASTE MAY 16–17, 2007

The U.S. Nuclear Regulatory Commission (NRC) Advisory Committee on Nuclear Waste (ACNW or the Committee) held its 179th meeting on May 16–17, 2007, at One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The ACNW published a notice of this meeting in the *Federal Register* on April 26 and May 7, 2007 (72 FR 20889 and 72 FR 25789, respectively) (see Appendix A). This meeting served as a forum for attendees to discuss and take appropriate action on agenda items (see Appendix B). The entire meeting was open to the public.

A transcript of selected parts 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. Members of the public may download transcripts from, or review them on, the Internet at http://www.nrc.gov/reading-rm/doc-collections/acnw/tr/ at no cost.

ACNW members Dr. Michael T. Ryan (ACNW Chairman), Mr. Allen G. Croff (ACNW Vice Chairman), Dr. James H. Clarke, Dr. William J. Hinze, and Dr. Ruth Weiner attended this meeting. ACNW consultant Dr. Bruce Marsh was also in attendance. Appendix C includes a list of other attendees.

I. CHAIRMAN'S REPORT (OPEN)

[Dr. Antonio Dias was the Designated Federal Official for this part of the meeting.]

Dr. Ryan, ACNW Chairman, convened the meeting at 8:30 a.m. and briefly reviewed the agenda. He noted 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 wished to address the Committee to inform the ACNW staff so that time could be allocated for them to speak.

II. AREVA SPENT NUCLEAR FUEL RECYCLE FACILITIES (OPEN)

[Mr. John Flack was the Designated Federal Official for this part of the meeting.]

Representatives from AREVA Federal Services, LLC, provided an overview of the recycle facilities and technologies it uses to reprocess and fabricate nuclear fuel. Maximizing the amount of material recovered from spent fuel for use in producing additional energy and

minimizing the amount of waste needing disposal in a geological repository are the primary objectives of the AREVA program.

The AREVA operation at La Hague, France, is the largest reprocessing enterprise in the world. Operating at a capacity of 1700 metric tons equivalent heavy metal per year, the facility has processed more than 22,650 metric tons of spent nuclear fuel at La Hague since the facility began operation in 1969. AREVA sends the reprocessed fuel to its MELOX mixed oxide (MOX) fuel fabrication plant, where it is fabricated into MOX fuel and supplied to reactors in France, Germany, Belgium, and Switzerland. AREVA also has reprocessing plants undergoing decontamination and decommissioning at sites in La Hague and Marcoule and holds training sessions at a "decommissioning school" at Marcoule. Decommissioning involves tradeoffs between the level of decontamination, the technical approach, waste paths, cost of waste generated, and global life-cycle costs and risk. Resolving orphan waste issues by finding a disposal path presents the greatest challenge during decommissioning.

Most of the discussions and Committee questions focused on waste forms and waste management strategies associated with the reprocessing facilities. Facilities in France can take advantage of a waste classification scheme that is unavailable in the United States. The French scheme includes an intermediate (greater than low-level) waste category for disposal of greater than low-level waste in surface facilities rather than in a deep geological repository. France also has a category that allows materials to be released from regulatory control. The absence of these regulatory categories presents a significant challenge to reprocessing spent nuclear fuel in the United States.

In addition to improving the capture and reduction of tritium effluence releases, AREVA continues to look at disposal options for long-term intermediate waste. From the perspective of AREVA, the licensing of a reprocessing facility (rather than technical issues) poses the greatest challenge. AREVA representatives identified effluence limits and knowing what limits to meet, optimization of the waste streams and disposal, and safety in the use of solvents as the three most challenging areas.

The briefing supports the development of a white paper by ACNW&M on the recycling of spent nuclear fuel and a Committee letter to be written after stakeholder input (fall 2007).

III. ACNW&M WHITE PAPER ON VOLCANISM (OPEN)

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

The Committee finalized and approved its white paper on Volcanism. Formal copies will be provided to the Commission by early June.

IV. ACNW&M MEETING WITH NRC COMMISSIONER JEFFREY S. MERRIFIELD (OPEN)

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

Commissioner Jeffrey S. Merrifield was first appointed as an NRC Commissioner on October 23, 1998. He was sworn in for a second term on August 5, 2002; his current appointment is expected to end in June 2007. Commissioner Merrifield has previously announced his intention not to seek reappointment for a third term. In light of his pending departure from the NRC, the Commissioner took the opportunity to share his views on issues he expects the ACNW&M to be engaged with over the next several months and perhaps years. (He noted that the views he was expressing were his own and not those of his fellow Commissioners.)

In his opening remarks, the Commissioner observed that during its history, the ACNW&M had focused on reviewing technical issues associated with the back-end of the nuclear fuel cycle—that is, primarily, radioactive waste management issues associated with commercial low-level radioactive waste (LLW) and the geologic repository program at Yucca Mountain, Nevada. Although he still expects the primary focus of the Committee's work to be radioactive waste management issues, the Commissioner suggested a broadening of ACNW&M review activities, as well as reviews of new issues associated with the front-end of the nuclear fuel cycle. These areas include the following:

- in situ leach mining of uranium ore
- emerging nuclear fuel conversion and enrichment technologies
- alternatives to commercial LLW management
- options for the management of low-activity, mixed radioactive waste
- improvements in the decommissioning of nuclear fuel cycle facilities
- NRC activities associated with the Global Energy Nuclear Partnership (GNEP)

Following the completion of his presentation, The Commissioner responded to questions and comments from the ACNW members. The scope of the Committee questions and comments, and Commissioner Merrifield's responses to them, have been captured in the verbatim meeting transcript that serves as the official meeting record for this presentation. Most of the questions focused on waste management issues. The Committee will consider Commissioner Merrifield's comments and advice as it implements its action plan for fiscal years (FYs) 2007 and 2008.

V. YUCCA MOUNTAIN PRECLOSURE REPOSITORY DESIGN: NRC STAFF REVIEW READINESS AND VIEWS ON THE ISSUES (OPEN)

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

For several years, the NRC staff has been conducting focused prelicensing reviews of available U.S. Department of Energy (DOE) technical basis documents expected to support the preclosure geologic repository operations area (GROA) design. The Committee is aware of the general substance of these reviews as it receives periodic updates from both the NRC and DOE staffs. The most recent NRC preclosure program update was in August 2005 (162nd meeting). The most recent DOE preclosure update was in March 2007 (177th meeting). During this meeting, staff representatives from the Office of Nuclear Material Safety and Safeguards

(NMSS), Division of High-Level Waste and Repository Safety (DHLWRS), briefed the Committee on the division's readiness to review a GROA design submitted by DOE as part of any license application under Title 10 Part 63 of the *Code of Federal Regulations* (10 CFR Part 63), "Disposal of High-Level Radioactive Wastes in a Geologic Repository at Yucca Mountain, Nevada." According to information widely reported, DOE expects to submit a 10 CFR Part 63 license application by June 2008.

The focus of this briefing was the staff's description of how the various regulatory review elements in the NRC preclosure program fit together. Mr. Robert K. Johnson, representing the NRC staff, conducted the briefing. For its part, Mr. Johnson noted that the NRC staff expects to be prepared to review any GROA design submitted by DOE as part of its License Application. The final Yucca Mountain regulation is expected to be in place shortly, a Yucca Mountain Review Plan (YMRP) consistent with the rule is also in place, and a preclosure integrated safety assessment (ISA) computational tool has been developed by the staff to evaluate the DOE design for compliance with the NRC's worker safety radiation exposure standards at 10 CFR Part 20, "Standards for Protection against Radiation." Over the last year or so, the staff has determined that it is necessary to develop strategies for integrating the rule, the YMRP, and the ISA tool for the review of any GROA design. Mr. Johnson noted that the staff is also engaged in other activities to prepare to review any DOE license application. The speaker noted that DOE intends to support several additional meetings with the staff on a number of preclosure-related design topics. These meetings will provide additional clarification for the staff regarding DOE plans and thus provide some insight as to those areas where information and dialogue would be useful before any potential licensing review and hearing.

Mr. Johnson reported that the staff has also determined that a few areas of the YMRP would benefit from additional clarification and has prepared interim staff guidance (ISG) to provide that extra detail. The speaker noted that the staff has not fully implemented the ISA review tool as DOE had not finalized its GROA design concept until very recently. Consequently, the staff has been able to exercise only selected features of the ISA tool. Moreover, because of the changing DOE design concepts over the years, it is not readily apparent that either the NRC or DOE has a full appreciation of which preclosure structures, systems, and components are important to safety or what the risk-significant issues will be during the preclosure phase of operations. The staff has recently reviewed NRC licensing actions, and studied and visited analog DOE defense and commercial facilities to gain some insight into these issues. However, the staff noted that the information needs related to Yucca Mountain may become better defined in the meetings scheduled to take place with DOE before the end of the calendar year.

Following the completion of his presentation, Mr. Johnson responded to questions and comments from the ACNW members. The scope of the Committee questions and comments, and Mr. Johnson's responses to them, have been captured in the verbatim meeting transcript that serves as the official meeting record for this presentation. At some point in the discussions, the ACNW&M Chairman acknowledged that the staff appeared to have addressed all of the Committee's earlier recommendations provided in a letter dated September 29, 2005.[1] During the discussions, the staff acknowledged that several issues still posed challenges to the pre-licensing program. They included:

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[1]Entitled "Review of Staff's Preclosure Review Preparations for the Proposed Yucca Mountain Repository."

- the absence of a final DOE GROA design
- the level of detail that might be publicly available once the GROA design is available and prior to the submittal of any License Application
- determination of an acceptable seismic design basis

As regards any near-term actions, the staff noted they were particularly interested in seeing DOE finalize its design so that an assessment of the design in the context of an ISA could be made to determine which aspects of the design were risk significant and why. As a follow-up action, the staff agreed to demonstrate the ISA tool for the ACNW&M later in the calendar year to allow the Committee to examine this particular topic in more detail as well as to allow the members to independently judge the adequacy of this staff review capability.

VI. PROPOSED REVISION TO STANDARD REVIEW PLAN CHAPTER 11.5 FOR NEW REACTOR LICENSING (OPEN)

[Mr. Derek Widmayer was the Designated Federal Official for this part of the meeting.]

Dr. Jean-Claude Dehmel of the Office of New Reactor Programs (NRO) briefed the Committee on the proposed updates and revisions to Chapter 11.5, "Process and Effluent Radiological Monitoring Instrumentation and Sampling System (PERMISS)," of NUREG-0800, "Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants." He explained that the Standard Review Plan (SRP) chapters have been updated to include 10 CFR 20.1406, "Minimization of Contamination," as an acceptance criteria and guidance for reviews to meet this requirement, and to include more information on meeting the U.S. Environmental Protection Agency dose standard of 40 CFR Part 190, "Environmental Protection Standards for Nuclear Power Operations." He noted that other changes have been made to bring the chapter up to date with reactor licensing procedures and rule language modifications since the last revision. The SRP chapter incorporates, where appropriate, information from the Tritium Task Force Report and from lessons learned in decommissioning developed by the then NMSS.

Dr. Dehmel indicated that more revisions may be necessary for this SRP chapter following the completion of Tritium Task Force Report activities, the future revision of 10 CFR Part 20.1406, and any updates to computer codes that are referenced in this and other SRP chapters related to radioactive waste management that may result from further work by the Office of Nuclear Regulatory Research.

In response to questions from the Committee, Dr. Dehmel explained the difference between the hypothetical maximally exposed member of the public who is the receptor in 10 CFR Part 20 dose calculations and the "real member" of the public who is the receptor for meeting the 40 CFR Part 190 dose standard, and how the SRP chapter addresses this issue.

The Committee agreed to write a letter to the Commission concerning the Committee's reviews of all SRP radioactive waste management chapters (11.2 through 11.5) at the conclusion of this meeting.

VII. BRIEFING ON ISG-04, "PRECLOSURE SAFETY ANALYSIS—HUMAN RELIABILITY ANALYSIS" (OPEN)

[Mr. Derek Widmayer was the Designated Federal Official for this part of the meeting.]

Dr. Tina Ghosh of the DHLWRS briefed the Committee on ISG-04 which updates and supplements "Yucca Mountain Review Plan" (YMRP) (NUREG-1804, Revision 2, issued July 2003) for the staff's review of human reliability analysis (HRA). Dr. Ghosh explained that the major purpose of ISG-04 is to replace older references concerning HRA in NUREG-1804 with more recent documents published by the NRC and to provide additional guidance to reviewers in areas of the license application that could be affected by HRA. She explained that the regulatory position in the ISG calls for HRA approaches to be risk informed; in other words, the complexity of the HRA should be commensurate with the risk significance. The guidance contains a hypothetical example which builds on the example presented in Appendix A of ISG-02, "Preclosure Safety Analysis—Level of Information and Reliability Estimation," which supplements the YMRP.

The Committee agreed not to write a letter to the Commission on the topic of ISG-04 at the conclusion of this meeting, but to include the Committee's observations and conclusions on ISG-04 with observations and conclusions from the presentation on "Yucca Mountain Preclosure Repository Design: NRC Staff Review Readiness and Views on the Issues" presented earlier in this Committee meeting and from the presentation on the Implementation of the Final Revised Yucca Mountain Regulatory Framework which is scheduled for the September ACNW&M meeting.

VIII. BRIEFING ON LONG-TERM RESEARCH ACTIVITIES (OPEN)

[Mr. John Flack was the Designated Federal Official for this part of the meeting.]

Representatives from the Office of Nuclear Regulatory Research (RES) briefed the Committee on NRC's plan for long-term research activities. Long-term research supports possible emergence of new regulatory initiatives or technologies that could be applied in nuclear facilities in the coming years. The research plan will be used as a technical basis for including long-term research in the FY 2009 budget as well as for subsequent years.

The four areas highlighted in the presentation are the DOE GNEP, the advanced offsite consequence code, extended in situ and real time inspection and monitoring techniques, and advanced quantitative risk assessment methods. Under GNEP, RES would begin to address infrastructure issues beginning in FY 2009. The presentation identified two areas at the forefront—chemical separation for reprocessing and sodium-cooled liquid metal technology for an advanced burner reactor. The Committee suggested that RES consider in its research plan those activities that focus on how waste streams generated by the GNEP facilities would fit into the current regulatory process.

In FY 2009, RES also plans to perform scoping analysis in several areas including development of an advanced offsite consequence code and use of sensors for extended *in situ* real-time environmental monitoring. The latter activity will include finding ways to gather more robust and precise data, for example, on ground water and ground water conditions. Also in 2009, RES will

perform a scoping study to assess ways to improve probabilistic risk assessments, including the associated numerical solutions, models, cause-effect relationships between key parameters, and failure parameters that go into risk models.

Committee members suggested that the report include the meaning of long-term research and identify major NRC programs that the research will support. Additionally, probabilistic risk assessment thinking should not be limited to reactors, but should also include fuel cycle facilities. Other areas to consider in the plan include test facilities (hot cells) that may be needed to support licensing GNEP facilities and research to support decisions involving low-level waste, including associated repository and policy issues.

The long-term regulatory research plan is expected to be a living document. The Committee indicated that it wishes to remain engaged in the evolution of the plan and informed of its periodic updates.

The Committee plans to write a letter to the Commission on the RES long-term research plan. The letter will be finalized at the June 2007 meeting.

The meeting adjourned at 4:30 p.m. on Thursday, May 17, 2007.

APPENDIX A

BR–0254. In addition, at the time payment is made, the licensee shall submit a statement indicating when and by what method payment was made, to the Director, Office of Enforcement, U.S. Nuclear Regulatory Commission, One White Flint North, 11555 Rockville Pike, Rockville, MD 20852–2738.

V

The Licensee may request a hearing within 30 days of the date of this Order. Where good cause is shown, consideration will be given to extending the time to request a hearing. A request for extension of time must be made in writing to the Director, Office of Enforcement, U.S. Nuclear Regulatory Commission, Washington, DC 20555–0001, and include a statement of good cause for the extension. A request for a hearing should be clearly marked as a "Request for an Enforcement Hearing" and shall be submitted to the Secretary, U.S. Nuclear Regulatory Commission, ATTN: Rulemakings and Adjudications Staff, Washington, DC 20555–0001. Copies also shall be sent to the Director, Office of Enforcement, U.S. Nuclear Regulatory Commission, Washington, DC 20555–0001, to the Assistant General Counsel for Materials Litigation and Enforcement at the same address, and to the Regional Administrator, NRC Region I, 475 Allendale Rd., King of Prussia, PA 19406. If a hearing is requested, the Commission will issue an Order designating the time and place of the hearing. If the Licensee fails to request a hearing within 30 days of the date of this Order, or if written approval of an extension of time in which to request a hearing has not been granted, the provisions of this Order shall be effective without further proceedings. If payment has not been made by that time, the matter may be referred to the Attorney General, for collection.

In the event the Licensee requests a hearing as provided above, the issues to be considered at such hearing shall be:

(a) Whether the Licensee was in violation of the Commission's requirements as set forth in the Notice referenced in Section II above, and

(b) Whether, on the basis of such violation, this Order should be sustained.

For the Nuclear Regulatory Commission.
Dated this 30th day of April 2007.

Cynthia A. Carpenter,

Director, Office of Enforcement.

[FR Doc. E7–8672 Filed 5–4–07; 8:45 am]

BILLING CODE 7590–01–P

NUCLEAR REGULATORY COMMISSION

Advisory Committee on Nuclear Waste; Revised

The 179th Advisory Committee on Nuclear Waste (ACNW) meeting scheduled to be held on May 16–17, 2007, Room T–2B3, Two White Flint North, 11545 Rockville Pike, Rockville, Maryland has been revised as noted below. Notice of this meeting was previously published in the **Federal Register** on Thursday, April 26, 2007 (72 FR 20889).

The discussion of the item on *Yucca Mountain Preclosure Repository Design: NRC Staff Review Readiness and Views on the Issues,* scheduled between 1 p.m. and 4 p.m. on Wednesday, May 16, 2007, is now scheduled between 1 p.m. and 3:30 p.m.

The discussion of the topic on *NCRP Study on Radiation Exposure of U.S. Population,* scheduled between 4 p.m.—6 p.m. on Wednesday, May 16, 2007 has been canceled. A discussion of *ACNW Letter Reports* will now take place between 3:45 p.m. and 5:30 p.m on Wednesday, May 16, 2007. All the other items remain the same as previously published in the **Federal Register** on Thursday, April 26, 2007 (72 FR 20889).

For further information, contact Mr. Antonio L. Dias, (Telephone 301–415–6805), between 6:45 a.m. and 4:30 p.m., ET.

Dated: May 1, 2007.

Andrew L. Bates,

Advisory Committee Management Officer.

[FR Doc. E7–8676 Filed 5–4–07; 8:45 am]

BILLING CODE 7590–01–P

NUCLEAR REGULATORY COMMISSION

[EA–07–086]

In the Matter of Certain Fuel Cycle Licensees and All Other Persons Who Seek or Obtain Authorized Unescorted Access to Radioactive Material or Other Property Described Herein; Order Imposing Fingerprinting and Criminal History Records Check Requirements for Unescorted Access to Certain Radioactive Material or Other Property (Effective Immediately)

I

The Licensees identified in Attachment 1 to this Order hold licenses issued in accordance with the Atomic Energy Act (AEA) of 1954, as amended, by the U.S. Nuclear Regulatory Commission (NRC), authorizing them to possess radioactive materials. On August 8, 2005, the Energy Policy Act of 2005 (EPAct) was enacted. Section 652 of the EPAct, amended Section 149 of the AEA to require fingerprinting and a Federal Bureau of Investigation (FBI) identification and criminal history records check of any individual who is permitted unescorted access to radioactive material or other property subject to regulation by the Commission, and which the Commission determines to be of such significance to the public health and safety or the common defense and security as to warrant fingerprinting and background checks. Though a rulemaking to implement the fingerprinting provisions of the EPAct is currently underway, the NRC has decided to implement this particular requirement by Order, in part, prior to the completion of the rulemaking because a deliberate malevolent act by an individual with unescorted access to radioactive material or other property has a potential to result in significant adverse impacts to the public health and safety or the common defense and security.

Those exempted from fingerprinting requirements under 10 CFR 73.61 [72 FR 4945 (February 2, 2007)] are also exempt from the fingerprinting requirements under this Order. In addition, individuals who have had a favorably-decided U.S. Government criminal history records check within the last five (5) years, or individuals who have an active federal security clearance (provided in either case that they make available the appropriate documentation), have satisfied the EPAct fingerprinting requirement and need not be fingerprinted again. Also, individuals who have been fingerprinted and granted access to SGI by the reviewing official under the previous fingerprinting order, "Order Imposing Fingerprinting and Criminal History Check Requirements for Access to Safeguards Information," do not need to be fingerprinted again.

Subsequent to the terrorist events of September 11, 2001, the NRC issued security Orders requiring certain entities to implement Additional Security Measures (ASMs) or Interim Compensatory Measures (ICMs) for certain radioactive material. The requirements imposed by these Orders and the measures licensees have developed to comply with that Order, were designated by the NRC as Safeguards Information (SGI) and were not released to the public. These Orders included a local criminal history records check to determine trustworthiness and reliability of individuals seeking unescorted access to

Objections submitted in response to this notice will not be made available to the public for inspection and, to the extent permitted by law, will not be released under the Freedom of Information Act, 5 U.S.C. 552.

ADDRESSES: Objections relating to the prospective license may be submitted to Patent Counsel, Office of Chief Counsel, NASA Glenn Research Center, MS 21–14, 21000 Brookpark Rd., Cleveland, OH 44135, telephone (216) 433–8855, facsimile (216) 433–6790.

FOR FURTHER INFORMATION CONTACT: Kaprice L. Harris, Attorney-Advisor, Office of Chief Counsel, NASA Glenn Research Center, MS 21–14, 21000 Brookpark Road, Cleveland, OH 44135, telephone (216) 433–5754, facsimile (216) 433–6790. Information about other NASA inventions available for licensing can be found online at *http://technology.nasa.gov/.*

Dated: April 20, 2007.

Keith T. Sefton,

Deputy General Counsel, Administration and Management.

[FR Doc. E7–8026 Filed 4–25–07; 8:45 am]

BILLING CODE 7510–13–P

NUCLEAR REGULATORY COMMISSION

Advisory Committee on Nuclear Waste; Meeting on Planning and Procedures; Notice of Meeting

The Advisory Committee on Nuclear Waste (ACNW) will hold a Planning and Procedures meeting on May 17, 2007, Room T–2B1, 11545 Rockville Pike, Rockville, Maryland. The entire meeting will be open to public attendance, with the exception of a portion that may be closed pursuant to 5 U.S.C. 552b(c)(2) and (6) to discuss organizational and personnel matters that relate solely to internal personnel rules and practices of ACNW, and information the release of which would constitute a clearly unwarranted invasion of personal privacy.

The agenda for the subject meeting shall be as follows:

Thursday, May 17, 2007–8:30 a.m.—9:30 a.m.

The Committee will discuss proposed ACNW activities and related matters. The purpose of this meeting is to gather information, analyze relevant issues and facts, and formulate proposed positions and actions, as appropriate, for deliberation by the full Committee.

Members of the public desiring to provide oral statements and/or written comments should notify the Designated Federal Official, Mr. Antonio F. Dias (Telephone: 301/415–6805) between 8:15 a.m. and 5 p.m. (ET) five days prior to the meeting, if possible, so that appropriate arrangements can be made. Electronic recordings will be permitted only during those portions of the meeting that are open to the public.

Further information regarding this meeting can be obtained by contacting the Designated Federal Official between 8:15 a.m. and 5 p.m. (ET). Persons planning to attend this meeting are urged to contact the above named individual at least two working days prior to the meeting to be advised of any potential changes in the agenda.

Dated: April 19, 2007.

Antonio F. Dias,

Branch Chief, ACNW.

[FR Doc. E7–8030 Filed 4–25–07; 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 179th meeting on May 16–17, 2007, Room T–2B3, 11545 Rockville Pike, Rockville, Maryland.

The schedule for this meeting is as follows:

Wednesday, May 16, 2007

8:30 a.m.–8:35 a.m.: Opening Remarks by the ACNW Chairman (Open)—The ACNW Chairman will make opening remarks regarding the conduct of today's sessions.

8:35 a.m.–10:15 a.m.: AREVA Spent Nuclear Fuel Recycle Facilities (Open)—A representative from AREVA will present an overview of their recycle facilities, including new technology developments, operating experience, effluents, waste streams, and decommissioning activities.

10:30 a.m.–11:30 a.m.: ACNW White Paper on Volcanism (Open)—Discussion of final draft of the White Paper on Igneous Activity at Yucca Mountain. Paper to be sent to the Commission in June.

11:30 a.m.–12 p.m.: ACNW Meeting with NRC Commissioner Jeffrey S. Merrifield (Open)—Commissioner Merrifield will address the Committee on current topics and issues of common interest.

1 p.m.–4 p.m.: Yucca Mountain Preclosure Repository Design: NRC Staff Review Readiness and Views on the Issues (Open)—NRC staff representatives from the Office of Nuclear Materials Safety and Safeguards will brief the Committee on their readiness to review a geologic repository operations area design submitted by the U.S. Department of Energy (DOE) as part of any 10 CFR part 63 License Application. Included in this briefing will be some discussion of the staff's integrated preclosure safety assessment review capability as well as any outstanding preclosure design issues. There may be a 15 minute break at some point during this activity.

4 p.m.–6 p.m.: NCRP Study on Radiation Exposure of U.S. Population (Open)—A representative of the National Council on Radiation Protection and Measurements (NCRP) will brief the Committee about the status of studies being conducted to develop a new NCRP report on "Ionizing Radiation Exposure of the United States Population." This report is being prepared as an update to the 1987 NCRP Report No. 93.

Thursday, May 17, 2007

10 a.m.–10:05 a.m.: Opening Remarks by the ACNW Chairman (Open)—The ACNW Chairman will make opening remarks regarding the conduct of today's sessions.

10:05 a.m.–11 a.m.: Proposed Revision to Standard Review Plan Chapter 11.5 for New Reactor Licensing (Open)—NRC Staff representative from the Office of New Reactors will brief the Committee on the proposed revision to NUREG–0800, "Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants," Chapter 11.5, "Process and Effluent Radiological Monitoring Instrumentation and Sampling Systems."

11 a.m.–11:30 a.m.: Briefing on Interim Staff Guidance (ISG)–04, "Preclosure Safety Analysis—Human Reliability Analysis" (Open)—NRC staff from the Division of High-Level Waste Repository Safety (HLWRS) will brief the Committee on ISG–04, "Preclosure Safety Analysis—Human Reliability Analysis" for the staff's review of human reliability evaluations that will be included in the preclosure safety analysis (PCSA) for the proposed Yucca Mountain Repository site.

1 p.m.–2 p.m.: Briefing on Long-Term Research Activities (Open)—NRC staff representatives from the Office of Nuclear Regulatory Research (RES) will brief the Committee on NRC's long-term research activities which support possible emergence of either new regulatory initiatives, or new technologies that could be applied in nuclear facilities in coming years.

2 p.m.–3 p.m.: ACNW White Paper on Volcanism (Open)—Continued discussion of final draft of the White Paper on Igneous Activity at Yucca Mountain. Paper to be sent to the Commission in June.

3:15 p.m.–4 p.m.: Discussion of ACNW Letter Reports (Open)—The Committee will discuss potential and proposed ACNW letter reports.

4 p.m.–5:30 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 content of future letters and scope of future Committee Meetings.

Procedures for the conduct of and participation in ACNW meetings were published in the **Federal Register** on October 12, 2006 (71 FR 60196). 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 Mr. Antonio F. Dias (Telephone 301–415–6805), between 8:15 a.m. and 5 p.m. ET, 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 Mr. Dias 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 Mr. Dias.

ACNW meeting agenda, meeting transcripts, and letter reports are available through the NRC Public Document Room (PDR) at *pdr@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 20, 2007.

Andrew L. Bates,

Advisory Committee Management Officer.

[FR Doc. E7–8032 Filed 4–25–07; 8:45 am]

BILLING CODE 7590–01–P

NUCLEAR REGULATORY COMMISSION

Advisory Committee on Reactor Safeguards; Revised Meeting Notice

The agenda for the 542nd ACRS meeting, scheduled to be held on May 3–5, 2007, has been revised as noted below. Notice of this meeting was previously published in the **Federal Register** on Wednesday, April 18, 2007 (72 FR 19552).

The discussion of the topic on the Commission Paper on Rulemaking to Make Risk-Informed Changes to Loss-of-Coolant Accident Technical Requirements; 10 CFR 50.46a, "Acceptance Criteria for Emergency Core Cooling Systems for Light-Water Nuclear Power Reactors," scheduled to be held on Thursday, May 3, 2007 between 8:35 a.m. and 10:30 a.m., is postponed to a future meeting due to the unavailability of the Commission Paper. The discussion of the item on Digital Instrumentation and Control System Matters, scheduled to be held between 10:45 a.m. and 12:15 p.m., is now scheduled between 8:35 a.m. and 10:30 a.m.

The discussion of the item on ACRS members' Issues associated with the Technology-Neutral Framework for Future Plant Licensing, scheduled between 8:35 a.m. and 10:30 a.m. on Friday May 4, 2007, is now scheduled between 3 p.m.–5 p.m. on Thursday, May 3, 2007. The times for other items scheduled for Thursday, May 3 and Friday, May 4, 2007, previously published in the **Federal Register**, have been adjusted as noted in the revised agenda to facilitate effective use of the Committee's time. A revised agenda is posted on 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).

For further information, contact: Mr. Sam Duraiswamy, ACRS, (Telephone: 301–415–7364), between 7:30 a.m. and 4 p.m., ET.

Dated: April 20, 2007.

Andrew L. Bates,

Advisory Committee Management Officer.

[FR Doc. E7–8031 Filed 4–25–07; 8:45 am]

BILLING CODE 7590–01–P

POSTAL REGULATORY COMMISSION

Sunshine Act Meetings

NAME OF AGENCY: Postal Regulatory Commission.

TIME AND DATE: Wednesday, April 25, 2007 at 10:30 a.m.

PLACE: Commission conference room, 901 New York Avenue, NW., Suite 200, Washington, DC 20268–0001.

STATUS: Closed.

MATTERS TO BE CONSIDERED: Docket No. R2006–1—reconsideration of aspects of recommended decision for which reconsideration was sought by the U.S. Postal Service Governors in their March 19, 2007 decision.

FOR FURTHER INFORMATION CONTACT: Stephen L. Sharfman, General Counsel, Postal Regulatory Commission, 901 New York Avenue, NW., Suite 200, Washington, DC 20268–0001, 202–789–6818.

Dated: April 24, 2007.

Steven W. Williams,

Secretary.

[FR Doc. 07–2086 Filed 4–24–07; 3:38 pm]

BILLING CODE 7710–FW–M

APPENDIX B

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

May 1, 2007

REVISED AGENDA
179th ACNW MEETING
MAY 16-17, 2007

WEDNESDAY, MAY 16, 2007, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

1) 8:30 - 8:35 A.M. **Opening Remarks by the ACNW Chairman** (Open) (MTR/AFD)
The Chairman will make opening remarks regarding the conduct of today's sessions.

2) 8:35 - 10:15 A.M. **AREVA Spent Nuclear Fuel Recycle Facilities** (Open) (AGC/JHF)
A representative from AREVA will present an overview of their recycle facilities, including new technology developments, operating experience, effluents, waste streams, and decommissioning activities. Davidson

10:17
10:15 - ~~10:30~~ A.M. *****BREAK*****
10:35

3) ~~10:30~~ - ~~11:30~~ A.M. **ACNW White Paper on Volcanism** (Open) (WJH/NMC)
10:35 11:02
Discussion of final draft of the White Paper on Igneous Activity at Yucca Mountain. Paper to be sent to the Commission in June.

11:02 - 11:30 Break

4) 11:30 - ~~12:00~~ P.M. **ACNW Meeting with NRC Commissioner Jeffrey S. Merrifield** (Open) (MTR/MPL)
12:25
Commissioner Merrifield will address the Committee on current topics and issues of common interest.

12:25 - 1:10
~~12:00~~ - 1:00 P.M. *****LUNCH*****

5) ~~1:00~~ - 3:30 P.M. **Yucca Mountain Preclosure Repository Design: NRC Staff Review Readiness and Views on the Issues** (Open) (WJH/MPL)
1:10 - 2:57
NRC staff representatives from the Office of Nuclear Materials Safety and Safeguards will brief the Committee on their readiness to review a geologic repository operations area design submitted by the U.S. Department of Energy (DOE) as part of any 10 CFR Part 63 License Application. Included in this briefing will be some discussion of the staff's integrated preclosure safety assessment review capability as well as any outstanding preclosure design issues. There may be a 15 minute break at some point during this activity. R. K. Johnson

3:30 - 3:45 P.M. *****BREAK*****

3:15 - 3:25

6) ~~3:45~~ - 5:30 P.M. **Discussion of ACNW Letter Reports** (Open) (All)
Discussion of proposed and potential ACNW letter reports on:
6.1) Proposed Rulemaking on Ground-Water Protection at In Situ Leach Uranium Recovery Facilities (RFW/LSH)
3:10 - 3:15 6.2) Yucca Mountain Preclosure Repository Design: NRC Staff Review Readiness and Views on the Issues (WJH/MPL)

3:25 - 3:35 Miscellaneous

~~5:30~~ P.M. **Adjourn**
3:40

THURSDAY, MAY 17, 2007, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

7) ~~10:00~~ - 10:05 A.M.
10:10 **Opening Remarks by the ACNW Chairman** (Open) (MTR/DAW)
The Chairman will make opening remarks regarding the conduct of today's sessions.

8) ~~10:05~~ - ~~11:00~~ A.M.
10:15 11:10 **Proposed Revision to Standard Review Plan Chapter 11.5 for New Reactor Licensing** (Open) (MTR/DAW)
NRC Staff representative from the Office of New Reactors will brief the Committee on the proposed revision to NUREG-0800, "Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants," Chapter 11.5, "Process and Effluent Radiological Monitoring Instrumentation and Sampling Systems." Dehmel

9) ~~11:00~~ - ~~11:30~~ A.M.
11:10 11:47 **Briefing on Interim Staff Guidance (ISG)-04, "Preclosure Safety Analysis - Human Reliability Analysis"** (Open) (MTR/DAW)
NRC staff from the Division of High-Level Waste Repository Safety (HLWRS) will brief the Committee on ISG-04, "Preclosure Safety Analysis - Human Reliability Analysis" for the staff's review of human reliability evaluations that will be included in the preclosure safety analysis (PCSA) for the proposed Yucca Mountain Repository site. Ghosh

11:47
~~11:30~~ - 1:00 P.M. ***LUNCH***

10) 1:00 - ~~2:00~~ P.M.
2:30 **Briefing on Long-Term Research Activities** (Open) (RFW/JHF)
NRC staff representatives from the Office of Nuclear Regulatory Research (RES) will brief the Committee on NRC's long-term research activities which support possible emergence of either new regulatory initiatives, or new technologies that could be applied in nuclear facilities in coming years. Lui

11) ~~2:00 - 3:00~~ P.M.
CANCELLED **ACNW White Paper on Volcanism** (Open) (WJH/NMC)
Continued discussion of final draft of the White Paper on Igneous Activity at Yucca Mountain. Paper to be sent to the Commission in June.

2:30 - 2:37
~~3:00 - 3:15~~ P.M. ***BREAK***

12) ~~3:15~~ - 4:00 P.M. **Discussion of ACNW Letter Reports** (Open) (All)
Discussion of proposed and potential ACNW letter reports on:
12.1) Proposed Rulemaking on Ground-Water Protection at In Situ Leach Uranium Recovery Facilities (RFW/LSH)
12.2) Yucca Mountain Preclosure Repository Design: NRC Staff Review Readiness and Views on the Issues (WJH/MPL)
12.3) Proposed Revision to Standard Review Plan Chapter 11.5 for New Reactor Licensing (MTR/DAW)
12.4) Briefing on Interim Staff Guidance (ISG)-04, "Preclosure Safety Analysis - Human Reliability Analysis" (MTR/DAW)
12.5) Briefing on Long-Term Research Activities (RFW/JHF)

1 Hr

2:37 4:30
13) ~~4:00~~ - 5:30 P.M. **Miscellaneous** (Open) (All)
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 content of future letters and scope of future Committee Meetings.

4:30
~~5:30 P.M.~~ **Adjourn**

NOTES:

- Presentation time should not exceed 50 percent of the total time allocated for a given 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 in advance of the briefing.

APPENDIX C: MEETING ATTENDEES
179TH ACNW MEETING
MAY 15–17, 2007

ACNW MEMBERS

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

ACNW CONSULTANT

Howard Larson

ACNW STAFF

Neil Coleman
Antonio Dias
John Flack
Frank Gillespie
Michele Kelton
Michael Lee
Derek Widmayer

ATTENDEES FROM THE NUCLEAR REGULATORY COMMISSION

MAY 16, 2007

M. Wong	NMSS
B. Ibrahim	NMSS
J. Sulima	NMSS
R. Wild	OIG
K. Stablein	NMSS
B. Jagannath	NMSS
A. Wong	NMSS
T. Ghosh	NMSS
G. Peters	NMSS
M. Nataraja	NMSS

MAY 17, 2007

M. Norato	NMSS
D. Tedder	NMSS
D. Diaztor	NMSS
W. Troskoski	NMSS
J. Mitchell	RES
R. Pierson	NMSS
J. Firth	FSME
P. Reed	RES
W. Smith	NMSS
D. McIntyre	OPA
J. Giitter	NMSS
R. Reeves	NMSS
K. Compton	NMSS
B. Eid	FSME
J. Rubenstone	NMSS

ATTENDEES FROM THE NUCLEAR REGULATORY COMMISSION (CONT'D)

MAY 17, 2007 (Cont'd)

M. Fuhrmann	RES
B. White	NMSS
R. Johnson	NMSS
C. Ryder	NMSS
J-C. Dehmel	NRO
T. Frye	NRO
A. Campbell	NMSS
T. Ghosh	NMSS
C. Ryder	NMSS
A. Wong	NMSS
R. Johnson	NMSS
J. Rubenstone	NMSS
R. Reeves	NMSS
B. Jagannath	NMSS
N. Siu	RES
P. Reed	RES
M. Fuhrmann	RES
A. Schwartzman	RES
R. Wild	OIG
D. Cool	FSME
J. Mitchell	RES
S. Magruder	NMSS
D. Tedder	NMSS
M. Norato	NMSS
J. Sulima	NMSS

ATTENDEES FROM OTHER AGENCIES AND GENERAL PUBLIC

MAY 16, 2007

L. Desell	U.S. Department of Energy (DOE)
M. Apted	Monitor Scientific
E. Supro	Energy Resources International
T. Koyasu	WPA
D. Davidson	AREVA
A. Hanson	AREVA
F. Bailly	AREVA
R. Cooper	Exchange Monitor Publications
B. Dasgupta	Center for Nuclear Waste Regulatory Analyses (CNWRA)
A. Levin	AREVA

ATTENDEES FROM OTHER AGENCIES AND GENERAL PUBLIC (CONT'D)

MAY 16, 2007 (Cont'd)

C. Kunitz	U.S. Government Accountability Office (GPO)
N. Henderson	Bechtel-SAIC (BSC)
S. Bakhari	DOE
D. Duncan	U.S. Geological Survey (USGS)
D. Semick	GAO

Via Teleconference With CNWRA

A. Chowdhury
W. Patrick
A. Simpkins
B. Sagar
A. Ghosh
O. Pevetco
R. Banke

ATTENDEES FROM OTHER AGENCIES AND GENERAL PUBLIC (CONT'D)

MAY 17, 2007

C. Shumway	Sen. Ensign
L. Desell	DOE
J. York	BSC
B. House	Energy Solutions
B. Dasgupta	CNWRA
D. Diodato	U.S. Nuclear Waste Technical Review Board

Via Teleconference With CNWRA

A. Chowduhury
G. Adams
F. Ferrante
B. Sagar
D. Bron
D. Hooper

APPENDIX D: FUTURE AGENDA

The Committee agreed to consider the following topics during its 180th meeting, to be held June 19–21, 2007:

- U.S. Department of Energy Briefing on the Transportation, Aging, and Disposal (TAD) Canister and the Total System Model (TSM) in Support of the Yucca Mountain Repository Effort
- Election of ACNW&M Officers for the Period of July 1, 2007 to June 30, 2008
- Working Group Meeting on Implementation of 10 CFR 20.1406
- NRC Office of Public Affairs' Perspective on Radiation Risk Communication
- A Basic Primer on High-Burnup Spent Nuclear Fuel and Its Cladding
- ACNW&M Staff Attendance to Recent Technical Meetings
- Discussion of Proposed and Potential ACNW letter reports on:
  - Proposed Revision to Standard Review Plan Chapters 11.5 for New Reactor Licensing
  - Briefing on Interim Staff Guidance (ISG)-04, "Preclosure Safety Analysis—Human Reliability Analysis"
  - Briefing on Long-term Research Activities
  - DOE's Briefing on TAD and TSM in Support in of Yucca Mountain Repository
  - Working Group on Implementation of 10 CFR 20.1406
  - OPA'S Perspective on Radiation Risk Communication to the Public

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

AGENDA ITEM NO.	DOCUMENTS
2	**AREVA Spent Nuclear Fuel Recycle Facilities**
	1. Briefing to the Advisory Committee on Nuclear Waste, presented by Dorothy Davidson, AREVA **[Viewgraphs]**
5	**Yucca Mountain Preclosure Repository Design: NRC Staff Review Readiness and Views on the Issues**
	2. Preclosure Prelicensing Activities, presented by Robert K. Johnson, NMSS **[Viewgraphs]**
8	**Proposed Revision to Standard Review Plan Chapter 11.5 for Near Reactor Licensing**
	3. Update on Revision of Standard Review Plan (NUREG-0800), Chapter 11.5, "Process and Effluent Radiological Monitoring Instrumentation and Sampling Systems (PERMISS), presented by Jean-Claude Dehmel, NRO **[Viewgraphs]**
9	**Briefing on Interim Staff Guidance (ISG)-04, "Preclosure Safety Analysis—Human Reliability Analysis"**
	4. Draft Interim Staff Guidance HLWRS-ISG-04, "Preclosure Safety Analysis—Human Reliability Analysis, presented by Tina Ghosh, NMSS **(Viewgraphs)**
10	**Briefing on Long-Term Research Activities**
	5. Agency Long-Term Research Plan Development, presented by Christiana Lui, et al., RES **(Viewgraphs)**

APPENDIX E
179TH ACNW MEETING
MAY 10-12, 2007

MEETING NOTEBOOK CONTENTS

TAB NUMBER (S)	DOCUMENTS
	Agenda, 179th ACNW Meeting, May 10-12, 2007, dated May 1, 2007
	Color Code - 179th ACNW Meeting, dated May 4, 2007
2	**AREVA Spent Nuclear Fuel Recycle Facilities**
	1. Status Report
8	**Proposed Revision to Standard Review Plan Chapter 11.5 for Near Reactor Licensing**
	2. Status Report
	- Attachment: Draft, NUREG-0800, "Standard Review Plan, 11.5, Process and Effluent Radiological Monitoring Instrumentation and Sampling Systems
9	**Briefing on Interim Staff Guidance (ISG)-04, "Preclosure Safety Analysis—Human Reliability Analysis"**
	3. Status Report
	- Attachment: Draft, Division of High-Level Waste Repository Safety — Interim Staff Guidance, HLWRS-ISG-04, Preclosure Safety Analysis—Human Reliability Analysis
10	**Briefing on Long-Term Research Activities**
	4. Contents
	5. Status Report
	Attachments (**Official Use Only**):
	A. SECY-07-0068, Memorandum dated April 6, 2007, for The Commissioners from Luis A. Reyes, EDO, Subject: Candidate Agency Long-Term Research Activities for Fiscal Year (Policy Issue)
	- NRC Long-Term Research: FY 2009 Activities, March 2007, prepared by the Office of Nuclear Regulatory Research in coordination with FSME, NRO, NMSS, NRR, NSIR

APPENDIX E
179TH ACNW MEETING
MAY 10-12, 2007

MEETING NOTEBOOK CONTENTS (CONT'D)

TAB NUMBER (S)	DOCUMENTS
10 (cont'd)	**Briefing on Long-Term Research Activities**
	- Path Forward