

AA1150601

Michele Kelton - FACA REPORT

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**From:** Michele Kelton  
**To:** Andrew Bates  
**Date:** 11/01/2006 2:27 PM  
**Subject:** FACA REPORT  
**CC:** Jenny Gallo; John Larkins

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Andy,

I have gone over both Committees' FACA reports with Dr. Larkins, and he has approved them. You may now verify them in the system.

Thank You,

Michele  
ACRS/ACNW

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**Creation Date:** 11/01/2006 2:27:28 PM  
**From:** Michele Kelton  
**Created By:** MSK@nrc.gov

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nrc.gov OWGWPO02.HQGWDO01 PM JMG CC (Jenny Gallo) PM	Delivered  Opened	11/01/2006 2:27:32  11/01/2006 2:39:08
nrc.gov TWGWPO01.HQGWDO01 PM JTL CC (John Larkins) PM	Delivered  Opened	11/01/2006 2:27:33  11/01/2006 5:09:38

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TEXT.htm	520	
Michele Kelton.vcf	248	11/01/2006 2:27:28 PM

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## 2006 Current FY Report: Review of Federal Advisory Committee

Committee Menu
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10/31/2006 3:53:23 PM

1. Department or Agency

**Nuclear Regulatory Commission**

2. Fiscal Year

**2006**

3. Committee or SubCommittee

**Advisory Committee on Nuclear Waste**

3b. GSA Committee No.

**1100**

4. Is this New During Fiscal Year?

**No**

5. Current Charter

**7/14/2006**

6. Expected Renewal Date

**7/14/2008**

7. Expected Term Date

8a. Was Terminated During FY?

**No**

8b. Specific Termination Authority

**42 U.S.C. 2201**

8c. Actual Termination Date

9. Agency Recommendation for Next FY

**Continue**

10a. Legislation Req to Terminate?

**No**

10b. Legislation Pending?

11. Establishment Authority

**Agency Authority**

12. Specific Establishment Authority

**42 U.S.C. 2201**

13. Effective Date

**1/6/1988**

14. Committee Type

**Continuing**

14c. Presidential?

**No**

15. Description of Committee

**Scientific Technical Program  
Advisory Board**

16a. Total Number of Reports

**17**

16b. Report Titles and Dates

<b>Project Plan for the Yucca Mountain License Application Review by NRC Staff</b>	<b>10/27/2005</b>
<b>Review of the NRC Program on the Risk from Igneous Activity at the Proposed Yucca Mountain Repository</b>	<b>12/9/2005</b>
<b>Development of a Standard review Plan for U.S. Department of Energy Waste Determinations</b>	<b>12/9/2005</b>
<b>West Valley Demonstration Project (WVDP) - ACNW Working Group Meeting</b>	<b>12/23/2005</b>
<b>Observations of Stakeholder Participation in Recent Meetings of the Advisory Committee on Nuclear Waste (ACNW)</b>	<b>12/27/2005</b>
<b>Opportunities in the Area of Low-Level radioactive Waste Management</b>	<b>12/27/2005</b>
<b>Title of the Code of Federal Regulations Part 63 Proposed Rule</b>	<b>1/23/2006</b>
<b>Review and Evaluation Summary of the U.S. Nuclear Regulatory Commission Waste Safety and Technical Assistance Programs</b>	<b>4/14/2006</b>
<b>Risk-Informed Decision-Making for Nuclear Materials and Wastes</b>	<b>5/2/2006</b>
<b>Report of Research at the Department of Energy Office of Science, Technology and International Programs</b>	<b>5/9/2006</b>
<b>Future Volcanism at Yucca Mountain - Comments on the Igneous Intrusion Scenario</b>	<b>6/8/2006</b>
<b>Comments on ICRP Draft Document - Scope of Radiation Protection Regulations (Spring 2006 Version)</b>	<b>6/8/2006</b>
<b>Future Volcanism at Yucca Mountain - Comments on the NRC Staff Model for the Fluvial Redistribution of Volcanic Tephra</b>	<b>6/9/2006</b>
<b>Revised Decommissioning Guidance to Implement the License Termination Rule</b>	<b>6/9/2006</b>
<b>The 2006 Draft Recommendations of the International Commission on Radiological Protection</b>	<b>7/18/2006</b>
<b>Expanded Potential Nuclear Regulatory Commission Use of the Center for Nuclear Waste Regulatory Analyses Expertise (Official Use Only)</b>	<b>7/27/2006</b>
<b>Observations From the ACNW Low-Level Waste Working Group Meeting of May 23-24, 2006</b>	<b>8/16/2006</b>

17a. Open: **18** 17b. Closed: **0** 17c. Partially Closed: **1** 17d. Total Meetings **19**

Meeting Purposes and Dates

**West Valley Demonstration Project Site Visit****10/18/2005 10/18/2005**

164th ACNW Full Committee	10/19/2005 10/20/2005
Planning & Procedures	10/20/2005 10/20/2005
165th Full Committee	11/14/2005 11/16/2005
Planning & Procedures	11/16/2005 11/16/2005
166th ACNW Full Committee	12/13/2005 12/14/2005
167th Full Committee	1/10/2006 1/12/2006
Planning & Procedures	1/11/2006 1/11/2006
168th Full Committee	3/22/2006 3/24/2006
Planning & Procedures	3/24/2006 3/24/2006
Planning & Procedures	4/18/2006 4/18/2006
169th Full Committee	4/18/2006 4/18/2006
170th Full Committee	5/23/2006 5/26/2006
Planning & Procedures	5/26/2006 5/26/2006
171st Full Committee	6/6/2006 6/7/2006
172nd Full Committee	7/17/2006 7/20/2006
Planning & Procedures	7/17/2006 7/17/2006
173rd Full Committee	9/18/2006 9/21/2006
Planning & Procedures	9/18/2006 9/18/2006

	Current Fiscal Year	Next Fiscal Year
18a(1) Personnel Pmts to Non-Federal Members	\$257,180	\$263,609
18a(2) Personnel Pmts to Federal Members	\$0	\$0
18a(3) Personnel Pmts to Federal Staff	\$799,376	\$926,384
18a(4) Personnel Pmts to Non-member Consultants	\$56,251	\$61,876
18b(1) Travel and Per Diem to Non-Federal Members	\$84,078	\$92,486
18b(2) Travel and Per Diem to Federal Members	\$0	\$0
18b(3) Travel and Per Diem to Federal Staff	\$25,663	\$33,229
18b(4) Travel and Per Diem to Non-Member Consultants	\$6,104	\$6,714
18c. Other (rents, user charges, graphics, printing, mail etc.)	\$218,418	\$218,418
18d Total	\$1,447,070	\$1,602,716
19. Federal Staff Support Years	5.0	6.0

20a. How does the Committee accomplish its purpose?

The Committee reports to and provides the Commission independent review of and advice on technical matters related to nuclear waste management. The bases of ACNW reviews include 10 CFR Parts 20, 40, 50, 60, 61, 63, 71, and 72, and other applicable regulations and legislative mandates. The ACNW undertakes studies and activities related to the transportation, storage, and disposal of high- and low-level radioactive waste, including the interim storage of spent nuclear fuel; materials safety; decommissioning; application of risk-informed and performance-based regulations; and evaluation of licensing documents, rules, regulatory guidance, and other issues, as requested by the Commission. The Committee interacts with representatives of the public, NRC, the Advisory Committee on Reactor Safeguards, other Federal agencies, State and local agencies, Native American Nations, and private, international, and other affected organizations as appropriate to fulfill its responsibilities. The Committee issues written reports, providing advice to the Commission on matters within its scope of responsibilities and meets periodically with the Commissioners in public meetings to discuss issues of mutual interest. The focus of the ACNW work during FY 2006 has been on low-level radioactive waste, the proposed high-level waste repository at Yucca Mountain, Nevada, on issues related to the decommissioning of nuclear facilities, and on waste determinations in accordance with the National Defense Authorization Act of 2005. The ACNW members are chosen for their technical expertise relevant to waste management issues important to the Commission. Consultants are used on occasion to augment the expertise of the ACNW members in specific areas. The Committee has a full-time staff that provides technical support, administrative services, and assures compliance with FACA requirements. ACNW working groups, comprised of ACNW members and consultants with the appropriate expertise, are used on occasion to address specific technical issues in depth. These working groups hold public meetings, and their activities are also conducted under FACA requirements. Stakeholder participation

in ACNW meetings is encouraged and routinely occurs. ACNW meeting agenda, meeting transcripts, and letter reports are available for downloading or viewing on the Internet at <http://www.nrc.gov/reading-rm/adams.html> or <http://www.nrc.gov/reading-rm/doc-collections/>. The ACNW issues an Action Plan for Commission approval and conducts a self-assessment which includes the use of extensive stakeholder input. The ACNW conducts ongoing reviews of its plans and schedules to ensure that it properly addresses regulatory matters within its scope of responsibilities and that its schedules are consistent with the needs of its stakeholders. Input from the Commission, the NRC staff, and affected stakeholders is used in this process. A Memorandum of Understanding with the NRC staff provides a framework for interactions between the ACNW and the staff.

20b. How does the Committee balance its membership?

The Commission appoints ACNW members with the scientific and engineering expertise needed to address the waste management issues of importance to the Commission. Members are sought who can provide an independent perspective on waste management issues, and who possess outstanding scientific and technical ability, balanced and mature judgment, and a willingness to devote the time required to carry out the timely completion of the Committee's work. Members are appointed for 4-year terms and, absent unusual circumstances, do not serve more than two terms. Members are reappointed at the end of a 4-year term only if there is a compelling continuing need for their expertise. Vacancies in the ACNW membership are filled from the pool of applicants which exists after solicitations of interest are published in the Federal Register, trade and professional society publications, and the press. Recommendations to the Commission as to the selection of qualified candidates from this pool are made by the ACNW Member Candidate Screening Panel. The ACNW members normally provide input to this Panel. The diversity of viewpoints represented by current members is based on special fields of interest, professional experience, and technical expertise. These member attributes provide the Committee with the balance of highly qualified technical expertise and diverse perspectives necessary to effectively carry out the Committee's statutory requirements. At the end of FY 2006, the Committee included two members from academia (one retired), two members from a national laboratory (one retired), and one member from private industry. During FY 2006, the ACNW included members experienced in radioactive waste management, chemistry, health physics, nuclear engineering, risk assessment, environmental engineering, performance assessment, research, and technical management. There has been a systematic effort to obtain members with backgrounds that can address the difficult and diverse questions associated with radioactive waste management. This concentration of the relevant scientific proficiency within the Committee, together with a diversity of viewpoints and perspectives, provides assurance that adequate, independent, and open discussion and analysis of the potential hazards associated with the management of nuclear waste can take place.

20c. How frequent and relevant are the Committee meetings?

Normally, all ACNW members meet 8 to 9 times a year for 2-3 days in Committee meetings. In FY 2006, the ACNW held 9 Committee meetings. The number of meetings held is directly related to the scope of NRC's efforts on the high-level waste geologic repository and other issues involving waste management; the number of criteria, guides, and technical positions referred to the ACNW for review and comment; the number of special reviews requested by the NRC staff; and the number of important topics of concern to the Committee and its stakeholders. The ACNW Action Plan for Fiscal Years 2005 and 2006 formed the basis for the selection of issues to be addressed during its 2006 meetings. The written reports that contain the ACNW's advice are issued during Committee meetings. When resources are available, the ACNW holds working group meetings on particularly complex issues. At these meetings, additional time and expertise can be used in support of understanding the technical details of any issues under the Committee's consideration. Reviews are conducted during each Committee meeting to assess the relevance of proposed topics, resource needs, and the priority of each activity. These assessments have the benefit of input from the Commission, NRC's Executive Director for Operations (EDO), and other stakeholders. The ACNW also conducts a self-assessment once every 2 years. These self assessments involve collection of input from various stakeholders. This information is used to assess the relevance of ACNW activities. All ACNW meetings for this reporting period addressed matters delineated in the ACNW's Action Plan, specific requests from either the Commission or the EDO, or other important regulatory matters within the scope of the responsibilities.

20d. Why can't the advice or information this committee provides be obtained elsewhere?

The ACNW is a body of recognized experts in the field of nuclear waste management whose mandate is to provide independent advice to the Commission. The ACNW provides the public assurance that an independent technical review and evaluation of nuclear waste safety issues is accomplished and that there will be an opportunity for public input. Decisions relating to waste management that are expected to be before the Commission include the licensing of the proposed Yucca Mountain high-level waste repository, the West Valley Demonstration Project and West Valley Site and other site decommissionings, nuclear reactor decommissioning, and low-level waste management. The Commission has its own expert staff of NRC employees on whom it relies in its day-to-day operations. However, the Commission has no other advisory committee with the broadly based expertise of the ACNW that could be called upon for independent and informed assessment of safety issues related to high- and low-level waste management. In addition, since members are part-time advisors with other interests and activities in related fields, they provide breadth of experience, independent perspective on issues, and technical knowledge

that is not duplicated by the NRC staff. The ACNW provides the Commission with an independent critical review of high-level regulatory issues under consideration by the NRC and independent technical insights on important matters needing Commission attention. In addition, a standing committee such as the ACNW, supported by a technical staff, remains currently informed with respect to nuclear waste issues of importance to the Commission, including NRC-sponsored safety research. It provides an informed, collegial judgment regarding these issues that would not be obtained by use of individual part-time consultants on a case-by-case basis.

20e. Why is it necessary to close and/or partially close committee meetings?

During FY 2006, the Committee held 9 Full Committee meetings. Of these 9 meetings, one meeting was partially closed to discuss information that involves internal personnel rules and/or practices [5 U.S.C. 552b(c)(2)]. As a practice, almost all Committee meetings are open.

21. Remarks

NONE

Designated Federal Official: Michele Kelton DFO

Committee Members	Start	End	Occupation	Member Designation
Clarke , Dr. James H.	1/25/2005	1/24/2009	Professor, Vanderbilt University	Special Government Employee (SGE)
Croff , Mr. Allen G.	7/12/2004	7/11/2008	Retired, Oak Ridge National Laboratory	Special Government Employee (SGE)
Hinze , Dr. William J.	1/11/2005	1/12/2009	Professor Emeritus, Purdue University	Special Government Employee (SGE)
Ryan , Dr. Michael T.	6/26/2006	6/25/2010	Consultant and Faculty Member, Charleston Southern University	Special Government Employee (SGE)
Weiner , Dr. Ruth F.	9/15/2003	9/14/2007	Consultant, Sandia National Laboratories	Special Government Employee (SGE)

Total Count of Committee Members

5

## 2006 Current FY Report: Review of Federal Advisory Committee

Committee Menu

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1. Department or Agency				2. Fiscal Year
<b>Nuclear Regulatory Commission</b>				<b>2006</b>
3. Committee or SubCommittee				3b. GSA Committee No.
<b>Advisory Committee on Reactor Safeguards</b>				<b>207</b>
4. Is this New During Fiscal Year?	5. Current Charter	6. Expected Renewal Date	7. Expected Term Date	
<b>No</b>	<b>12/14/2004</b>	<b>12/14/2006</b>		
8a. Was Terminated During FY?	8b. Specific Termination Authority		8c. Actual Termination Date	
<b>No</b>				
9. Agency Recommendation for Next FY	10a. Legislation Req to Terminate?	10b. Legislation Pending?		
<b>Continue</b>	<b>No</b>			

11. Establishment Authority	<b>Statutory(Congress Created)</b>			
12. Specific Establishment Authority	13. Effective Date	14. Committee Type	14c. Presidential?	
<b>42 U.S.C. Sect. 2039 &amp; 2232</b>	<b>1/1/1957</b>	<b>Continuing</b>	<b>No</b>	
15. Description of Committee	<b>Scientific Technical Program Advisory Board</b>			

16a. Total Number of Reports

37

16b. Report Titles and Dates

<b>Recommendation for Resolving Generic Safety Issue 80, Pipe Break Effects on Control Rod Drive Hydraulic Lines in Drywells of BWR Mark I &amp; II Containments</b>	<b>10/18/2005</b>
<b>Interim Report on the Safety Aspects of the License Renewal Application for the Browns Ferry Nuclear Plant Units 1, 2, and 3</b>	<b>10/19/2005</b>
<b>ACRS Assessment of the Quality of Selected NRC Research Projects - FY 2005</b>	<b>11/4/2005</b>
<b>Staff Recommendation to Withdraw the Proposed Rule on Post-Fire Operator Manual Actions</b>	<b>11/18/2005</b>
<b>Report on the Safety Aspects of the License Renewal Application for the Point Beach Nuclear Plant Units 1 and 2</b>	<b>11/18/2005</b>
<b>Draft Final Generic Letter 2005-XX, Grid Reliability and the Impact on Plant Risk and the Operability of Offsite Power</b>	<b>11/18/2005</b>
<b>Draft NRC Digital System Research Plan for FY 2005 - FY 2009</b>	<b>11/21/2005</b>
<b>Draft Final Generic Letter 2005-XX, Impact of Potentially Degraded HEMYC/MT Fire Barrier Materials on Compliance with Approved Fire Protection Programs</b>	<b>12/21/2005</b>
<b>Early Site Permit Application for the Grand Gulf Site and the Associated Final Safety Evaluation Report</b>	<b>12/23/2005</b>
<b>Vermont Yankee Extended Power Uprate</b>	<b>1/4/2006</b>
<b>Standard Review Plan, Section 14.2.1, Generic Guidelines for Extended Power Uprate Testing Programs</b>	<b>2/22/2006</b>
<b>Draft NUREG Report, Evaluation of Human Reliability Analysis Methods Against Good Practices</b>	<b>2/22/2006</b>
<b>Review and Evaluation of the NRC Safety Research Program</b>	<b>3/15/2006</b>
<b>Report on the Safety Aspects of the License Renewal application for the Browns Ferry Nuclear Plant Units 1, 2 and 3</b>	<b>3/23/2006</b>
<b>Final Review of the Exelon Generation Company, LLC, application for Early Site Permit and the Associated NRC Staff's Final Safety Evaluation Report</b>	<b>3/24/2006</b>
<b>Draft Final Revision 4 to Regulatory Guide 1.97, Criteria for Accident Monitoring Instrumentation for Nuclear Power Plants</b>	<b>3/28/2006</b>
<b>Generic Safety Issue 191, Assessment of Debris Accumulation on PWR Sump Performance</b>	<b>4/10/2006</b>
<b>Grand Gulf Early Site Permit Application: Evaluation of Transportation Accidents on the Mississippi River</b>	<b>4/14/2006</b>



Review of the 1994 Addenda to the ASME Code for Class 1, 2 and 3 Piping Systems and the Resolution of the differences Between the NRC Staff and ASME	4/14/2006
Modified Draft Final Revision 4 to Regulatory Guide 1.97, Criteria for Accident Monitoring Instrumentation for Nuclear Power Plants	4/17/2006
Response to Your 3/29/06 Ltr re Std Review Plan, Section 14.2.1, Generic Guidelines for Extended Power Uprate Testing Programs	4/19/2006
Draft Final Regulatory Guide 1.205, Risk-Informed, Performance-Based Fire Protection for Existing Light-Water Nuclear Power Plants	4/20/2006
Application of the TRACG Computer Code to Evaluate the Stability of the Economic Simplified boiling Water Reactor	4/21/2006
NRC Staff's Proposed Approach to Enhance the Reactor Oversight Process to Address Safety Culture Issues	4/21/2006
Review of Ongoing Security-Related Activities (Official Use Only)	4/24/2006
Report on the Safety Aspects of the License Renewal Application for the Brunswick Steam Electric Plant, Units 1 and 2	5/17/2006
Proposed Revisions to 10 CFR Part 52: Licenses, Certifications, and Approvals for Nuclear Power Plants, and Conforming Amendments to Applicable NRC Regulations	5/22/2006
Beaver Valley Extended Power Uprate Application	5/22/2006
R. E. Ginna Extended Power Uprate Application	5/22/2006
Draft Final Generic Letter 2006-XX, Inaccessible or Underground Cable Failures that Disable Accident Mitigation Systems	6/15/2006
Draft Final Generic letter 2006-XX: Post-Fire Safe-Shutdown Circuit Analysis Spurious Actuations	6/16/2006
Generic Safety Issue 191 - Assessment of Debris Accumulation on PWR Sump Performance	8/1/2006
Draft NUREG Report, Integrating Risk and Safety Margins	8/2/2006
Report on the Safety Aspects of the License Renewal Application for the Nine Mile Point Nuclear Station, Units 1 and 2	8/2/2006
Report on the Safety Aspects of the License Renewal Application for the Monticello Nuclear Generating Station	9/19/2006
Proposed Direct Final Rule to Amend 10CFR50.68, Criticality Accident Requirements	9/21/2006
Lessons Learned from the Review of Early Site Permit Applications	9/22/2006

17a Open: 43      17b. Closed: 1      17c. Partially Closed: 5      17d. Total Meetings 49

Meeting Purposes and Dates

Planning & Procedures Subcommittee	10/5/2005 10/5/2005
Plant License Renewal Subcommittee (Browns Ferry)	10/5/2005 10/5/2005
526th Full Committee	10/6/2005 10/7/2005
Digital Instrumentation & Control Systems Subcommittee	10/20/2005 10/21/2005
Planning & Procedures Subcommittee	11/2/2005 11/2/2005
527th Full Committee	11/3/2005 11/4/2005
Power Uprates Subcommittee (Vermont Yankee)	11/15/2005 11/16/2005
Reliability & Probabilistic Risk Assessment Subcommittee	11/17/2005 11/18/2005
Power Uprates Subcommittee (Vermont Yankee)	11/29/2005 11/30/2005
Safeguards & Security Subcommittee	12/6/2005 12/7/2005
528th Full Committee	12/7/2005 12/10/2005
Planning & Procedures Subcommittee	12/7/2005 12/7/2005
Jt. Reliability & Probabilistic Risk Assessment and Human Factors Subcommittees	12/15/2005 12/15/2005
Thermal-Hydraulic Phenomena Subcommittee	1/19/2006 1/19/2006
Jt. Regulatory Policies & Practices and Thermal-Hydraulic Phenomena Subcommittees	1/25/2006 1/25/2006
Planning & Procedures Subcommittee	1/26/2006 1/27/2006

Planning & Procedures Subcommittee	2/8/2006 2/8/2006
Plant License Renewal Subcommittee (Brunswick)	2/8/2006 2/8/2006
529th Full Committee	2/9/2006 2/10/2006
Thermal-Hydraulic Phenomena Subcommittee	2/14/2006 2/16/2006
Early Site Permits Subcommittee	3/8/2006 3/8/2006
Planning & Procedures Subcommittee	3/8/2006 3/8/2006
530th Full Committee	3/9/2006 3/11/2006
Thermal-Hydraulic Phenomena Subcommittee	3/14/2006 3/14/2006
Power Uprates Subcommittee (Ginna)	3/15/2006 3/16/2006
Plant License Renewal Subcommittee (Nine Mile Point)	4/5/2006 4/5/2006
531st Full Committee	4/5/2006 4/7/2006
Planning & Procedures Subcommittee	4/5/2006 4/5/2006
Reliability & Probabilistic Assessment Subcommittee	4/20/2006 4/21/2006
Power Uprates Subcommittee (Beaver Valley)	4/25/2006 4/26/2006
Power Uprates Subcommittee (Ginna)	4/27/2006 4/27/2006
Reliability & Probabilistic Risk Assessment Subcommittee	4/28/2006 4/28/2006
Planning & Procedures Subcommittee	5/3/2006 5/3/2006
532nd Full Committee	5/4/2006 5/5/2006
Planning & Procedures Subcommittee	5/30/2006 5/30/2006
Plant License Renewal Subcommittee	5/30/2006 5/30/2006
533rd Full Committee	5/31/2006 6/1/2006
Thermal-Hydraulic Phenomena Subcommittee	6/13/2006 6/14/2006
Digital Instrumentation & Control Systems Subcommittee	6/27/2006 6/27/2006
Jt. Reliability & Probabilistic Risk Assessment and Human Factors Subcommittees	6/28/2006 6/28/2006
Planning & Procedures Subcommittee	7/11/2006 7/11/2006
Plant License Renewal Subcommittee (Palisades)	7/11/2006 7/11/2006
534th Full Committee	7/12/2006 7/13/2006
Plant Operations Subcommittee	7/26/2006 7/27/2006
Thermal-Hydraulic Phenomena Subcommittee	8/23/2006 8/24/2006
Early Site Permits Subcommittee	9/6/2006 9/6/2006
Planning & Procedures Subcommittee	9/6/2006 9/6/2006
535th Full Committee	9/7/2006 9/8/2006
Reliability and Probabilistic Risk Assessment Subcommittee	9/21/2006 9/21/2006

	Current Fiscal Year	Next Fiscal Year
18a(1) Personnel Pmts to Non-Federal Members	\$647,548	\$877,456
18a(2) Personnel Pmts to Federal Members	\$0	\$0
18a(3) Personnel Pmts to Federal Staff	\$2,684,009	\$3,321,467
18a(4) Personnel Pmts to Non-member Consultants	\$33,079	\$36,387
18b(1) Travel and Per Diem to Non-Federal Members	\$248,786	\$438,665
18b(2) Travel and Per Diem to Federal Members	\$0	\$0
18b(3) Travel and Per Diem to Federal Staff	\$35,437	\$53,980
18b(4) Travel and Per Diem to Non-Member Consultants	\$6,252	\$6,887
18c. Other (rents, user charges, graphics, printing, mail etc.)	\$475,989	\$575,989
18d Total	\$4,131,100	\$5,310,831
19. Federal Staff Support Years	26.0	29.0

20a. How does the Committee accomplish its purpose?

The Advisory Committee on Reactor Safeguards (ACRS) reports to the Nuclear Regulatory Commission (NRC) and provides the Commission with independent reviews of, and advice on, the safety of proposed or existing NRC-licensed reactor facilities and the adequacy of applicable safety standards. The ACRS was established as a statutory committee by a 1957 amendment to the Atomic Energy Act of 1954. With the enactment of the Energy Reorganization Act of 1974, the licensing functions of the Atomic Energy Commission (AEC) were transferred intact from the AEC to the NRC. The ACRS has continued in the same advisory role to the NRC with its responsibilities changing with the needs of the Commission. Some ACRS tasks are mandated by statute or regulation, some are in response to direction by the Commission, or requests from the NRC staff, or other stakeholders, and some are self initiated in response to ACRS concerns on important regulatory and safety-related matters. The ACRS, upon request from the Department of Energy (DOE), provides advice on the safety of U.S. naval reactor designs. Upon request, the ACRS also provides technical advice to the Defense Nuclear Facilities Safety Board. The ACRS and its Subcommittees meet regularly in public, Federal Advisory Committee Act (FACA)-regulated meetings, to review matters within the scope of its responsibilities. ACRS meeting agenda, meeting transcripts, and letter reports are available for downloading or viewing on the Internet at <http://www.nrc.gov/reading-rm/adams.html> or <http://www.nrc.gov/reading-rm/doc-collections/>. The ACRS and its Subcommittees held 39 meetings during FY 2006, including 10 Full Committee meetings that were attended by all ACRS members. The ACRS members are chosen for their technical expertise relevant to the safety issues important to the Commission. Consultants are used on occasion to augment the expertise of the ACRS members. The Committee has a full-time staff that provides technical support and administrative services in compliance with FACA requirements. ACRS Subcommittees normally consist of three to six ACRS members with the expertise needed to review in detail the regulatory and safety issues and to formulate proposed positions and actions, as appropriate, for deliberation by the Full Committee. Stakeholders' participation in ACRS meetings is encouraged and routinely occurs. The Committee's advice, in the form of written reports, is only produced by the Full Committee, and reports on significant regulatory matters are discussed with the Commission in public meetings. The ACRS conducts an ongoing review of its priorities and schedules to ensure that regulatory matters within its scope of responsibilities are being properly addressed and within its resources, and timely advice is provided to the Commission. Input from the Commission, the NRC staff, and affected stakeholders is used in this process. A Memorandum of Understanding with the NRC Executive Director for Operations (EDO) provides a framework for NRC staff interaction with the ACRS. The ACRS conducts formal self-assessments to improve its effectiveness and efficiency. A report is provided to the Commission on the outcome of those assessments. The focus of the ACRS work during FY 2006 was on license renewal applications, power uprate applications, early site permit applications, pre-application review of the Economic Simplified Boiling Water Reactor design, including application of the TRACG Code to analyze ESBWR stability, Generic Letters, Regulatory Guides, Standard Review Plan sections, digital instrumentation and control system research plan, safety culture, fire protection issues, human factors, resolution of certain generic safety issues, quality assessment of selected NRC research projects, pressurized water reactor sump performance, safeguards and security matters, thermal-hydraulic codes, and the NRC safety research program.

20b. How does the Committee balance its membership?

The Commission appoints ACRS members with the scientific and engineering expertise needed to address the safety issues of importance to the Commission. Members are sought who can provide an independent perspective on nuclear safety issues, outstanding scientific and technical ability, balanced and mature judgment, and a willingness to devote the time required to the demanding work involved. Members are appointed for 4-year terms and, absent unusual circumstances, do not serve more than three terms. Members are reappointed at the end of a 4-year term only if there is a compelling continuing need for their expertise. Vacancies in the ACRS membership are filled from the pool of applicants which exists after solicitations of interest are published in the Federal Register, trade and professional society publications, and in the press. Recommendations to the Commission as to the selection of qualified candidates from this pool are made by the ACRS Member Candidate Screening Panel and the Committee. During FY 2006, the membership was comprised of individuals with diverse employment backgrounds and included those with expertise in the areas of nuclear power plant operations; probabilistic risk assessment; analysis of severe reactor accident phenomena; design of nuclear power plant structures, systems, and components; chemical engineering; materials and metallurgy; and thermal-hydraulics and computational fluid dynamics. The diversity of viewpoints represented by current members is based on special fields of interest, employment experience, and technical expertise. These member attributes provide the Committee with the balance of highly qualified technical expertise and diverse safety perspectives necessary to carry out the Committee's statutory responsibilities effectively.

20c. How frequent and relevant are the Committee meetings?

The ACRS and its Subcommittees held 49 meetings during FY 2006, of which 10 were Full Committee meetings. The number of meetings held in a reporting period is directly related to the number of nuclear safety matters to be reviewed as required by statute; the number of rules and regulatory guidance referred to the Committee for

review and comment; the number of special reviews requested by the Commission, EDO, or other Federal Government organizations; and other safety issues of particular concern to the Committee and its stakeholders. The Full Committee meets 10 times a year, normally for 3 days, to consider important safety-related nuclear issues, generic issues, significant regulatory matters, rules, and regulatory guidance. The ACRS Subcommittees, which are normally comprised of three to six members with the relevant expertise, meet as necessary with stakeholders to conduct in-depth reviews of particular matters for later consideration by the full membership during Full Committee meetings. Although not required by the revised FACA, Subcommittee meetings are conducted under the same FACA procedures as the Full Committee meetings to facilitate public participation and to provide a forum for stakeholders to express their views on regulatory matters being considered by the ACRS. Reviews are conducted during each Full Committee meeting to assess the relevance of proposed review topics, resource needs, and the priority of each activity. These assessments have the benefit of input from the Commission, EDO, and other stakeholders. The self-assessment conducted by the ACRS for its CY 2005 activities involved collection of input from various stakeholders. This information was used to assess the relevance of ACRS activities. All ACRS meetings for this reporting period addressed either matters for which ACRS review was required by statute or regulation, specific requests from either the Commission or the EDO, or other important regulatory and safety-related matters self-initiated in response to ACRS concerns.

20d. Why can't the advice or information this committee provides be obtained elsewhere?

The ACRS is an independent body of recognized experts in the field of nuclear reactor safety whose Congressional mandate is to provide the Commission with independent advice. Particular duties of the ACRS (e.g., review of operating reactor license renewal applications, extended core power uprates, advanced reactor designs, safeguards and security issues, and rules and regulations) are dictated by statute or regulation. In addition, functional arrangements exist wherein, upon request, the ACRS provides advice to the U.S. Navy, the Department of Energy, and the Defense Nuclear Facilities Safety Board. The Commission has its own expert staff on whom it relies in the day-to-day regulation of nuclear power facilities. The ACRS provides the Commission and the NRC staff with an independent, critical review of high-level regulatory issues under consideration by the NRC and independent technical insights as to important matters needing Commission attention. The ACRS members are part-time special government employees with other full-time interests and activities in related fields, and provide a breadth of experience, an independent perspective on issues, and technical knowledge that is not duplicated by the NRC's full-time government employees. A standing Committee such as the ACRS remains current with respect to nuclear safety issues of importance to the NRC, including those related to reactor operating experience, regulatory reform, and NRC's needs for safety research, and provides an independent, collegial judgment regarding these issues that other part-time consultants could not provide. The ACRS meetings provide an important forum to stakeholders to express freely their concerns on safety issues and regulatory process. A number of important safety initiatives have had their origins in ACRS deliberations. Through the ACRS, the public and the Congress are ensured of an independent technical review and evaluation of the safety of NRC-licensed reactor facilities, proposed reactor designs, significant regulatory and significant safety issues, and of providing an opportunity for stakeholder input.

20e. Why is it necessary to close and/or partially close committee meetings?

During this period, the Committee held 10 full Committee meetings. Of these 10 meetings, 3 meetings were partially closed to discuss information classified as national security information (5 U.S.C. 552b(c)(1) and (3)).

21. Remarks

None

Designated Federal Official: Michele S Kelton DFO

Committee Members	Start	End	Occupation	Member Designation
Abdel-Khalik , Dr. Said I.	9/7/2006	9/6/2010	Southern Nuclear Distinguished Professor, George W. Woodruff School of Mechanical Engineering, Georgia Institute of Technology	Special Government Employee (SGE)
Apostolakis , Dr. George E.	6/4/1995	6/3/2007	Professor of Nuclear Science and Engineering, Professor of Engineering Systems, Massachusetts Institute of Technology	Special Government Employee (SGE)
Armijo , Dr. Joseph S.	9/30/2006	3/8/2010	Adjunct Professor of Materials Science and Engineering, University of Nevada, Reno	Special Government Employee (SGE)
Banerjee , Dr. Sanjoy	7/26/2006	7/25/2010	Professor of Chemical Engineering, University of California at Santa Barbara	Special Government Employee (SGE)
Bonaca , Dr. Mario V.	1/6/1999	1/5/2011	Retired, Director, Nuclear Engineering Department, Northeast Utilities	Special Government Employee (SGE)
Corradini , Dr.	9/7/2006	9/6/2010	Professor and Chairman of Department of	Special Government

<b>Michael L.</b>		<b>Engineering Physics, University of Wisconsin</b>	<b>Employee (SGE)</b>
<b>Denning , Dr.</b>	<b>9/29/2004 7/7/2006</b>	<b>Senior Research Leader, Battelle Memorial Institute,</b>	<b>Special Government</b>
<b>Richard S.</b>		<b>and Adjunct Professor, the Ohio State University</b>	<b>Employee (SGE)</b>
<b>Kress , Dr.</b>	<b>9/4/1991 9/3/2007</b>	<b>Retired, Head of Applied Systems Technology</b>	<b>Special Government</b>
<b>Thomas S.</b>		<b>Section, Oak Ridge National Laboratory</b>	<b>Employee (SGE)</b>
<b>Maynard , Mr.</b>	<b>1/30/2006 1/29/2010</b>	<b>Retired Chief Executive Officer, Wolf Creek</b>	<b>Special Government</b>
<b>Otto L.</b>		<b>Generating Station</b>	<b>Employee (SGE)</b>
<b>Powers , Dr.</b>	<b>6/6/1994 6/5/2010</b>	<b>Senior Scientist, Sandia National Laboratories</b>	<b>Special Government</b>
<b>Dana A.</b>			<b>Employee (SGE)</b>
<b>Ransom , Dr.</b>	<b>3/2/2002 3/6/2006</b>	<b>Professor Emeritus, Purdue School of Nuclear</b>	<b>Special Government</b>
<b>Victor H.</b>		<b>Engineering</b>	<b>Employee (SGE)</b>
<b>Shack , Dr.</b>	<b>8/1/1993 7/31/2009</b>	<b>Associate Director, Energy Technology Division,</b>	<b>Special Government</b>
<b>William J.</b>		<b>Argonne National Laboratory</b>	<b>Employee (SGE)</b>
<b>Sieber , Mr. John</b>	<b>7/12/1999 7/11/2007</b>	<b>Retired Senior Vice-President, Nuclear Power</b>	<b>Special Government</b>
<b>D.</b>		<b>Division, Duquesne Light Company</b>	<b>Employee (SGE)</b>
<b>Wallis , Dr.</b>	<b>1/23/1998 1/22/2010</b>	<b>Sherman Fairchild Professor Emeritus, Thayer</b>	<b>Special Government</b>
<b>Graham B.</b>		<b>School of Engineering, Dartmouth College</b>	<b>Employee (SGE)</b>

Total Count of Committee Members

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