



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555

November 6, 1992

OFFICE OF THE  
SECRETARY

MEMORANDUM FOR: Committee Management Secretariat

FROM: John C. Hoyle  
Advisory Committee Management Officer

SUBJECT: NRC INPUT FOR ANNUAL REPORT TO THE  
PRESIDENT

Enclosed are completed copies of GSA Forms T-820-H and T-821-H for each of the Federal Advisory Committees of the U.S. Nuclear Regulatory Commission and the agency summary sheet (T-822-H). This material is submitted for inclusion in the Annual Report of the President for FY-1992.

If clarification of the attached material is necessary, please give me a call on 301-504-1968.

Enclosures:

1. Summary Sheets (T-822-H)
2. Forms for Advisory Committee on Nuclear Waste
3. Forms for Advisory Committee on Reactor Safeguards
4. Forms for Advisory Committee on the Medical Uses of Isotopes
5. Forms for Advisory Panel for the Decontamination of TMI-2
6. Forms for Licensing Support System Advisory Review Panel
7. Forms for Nuclear Safety Research Review Committee

## ANNUAL REPORT

REVIEW OF FEDERAL ADVISORY COMMITTEES  
AGENCY SUMMARYINTERAGENCY REPORTS CONTROL NO.  
0304-GSA-XX

INSTRUCTIONS: Complete one form per agency using TOTALS derived from all GSA Forms T-820-H and T-821-H to be submitted for the fiscal year (10-01 to 9-30).

1. DEPARTMENT OR AGENCY

Nuclear Regulatory Commission

2. TOTAL NUMBER OF ALL COMMITTEES

6

3. FISCAL YEAR

FY 1992

## SECTION A - TOTALS FROM GSA FORMS T-820-H

ITEM NUMBER	GSA FORM T-820-H TITLE	DATA ELEMENTS	TOTAL OF ALL COMMITTEES	
4.	NEW "YES"	NUMBER OF NEW COMMITTEES	0	
8A.	TERMINATED "YES"	NUMBER OF TERMINATED COMMITTEES	0	
11.	COMMITTEE AUTHORITY	A. DIRECTED BY LAW	1	
		B. AUTHORIZED BY LAW	0	
		C. AGENCY AUTHORITY	5	
		D. PRESIDENTIAL DIRECTIVE	0	
14.	COMMITTEE TYPE	A. AD HOC	0	
		B. CONTINUING	6	
		C. PRESIDENTIAL	0	
15.	COMMITTEE DESCRIPTION	A. NATIONAL POLICY/ISSUE	0	
		B. NON-SCIENTIFIC	1	
		C. SCIENTIFIC/TECHNICAL	5	
		D. GRANT REVIEW	0	
		E. REGULATORY NEGOTIATION	0	
		F. OTHER	0	
16A.	REPORTS	NUMBER OF REPORTS	87	
17.	MEETINGS	A. OPEN	74	
		B. CLOSED	5	
		C. PARTIALLY CLOSED	32	
		D. TOTAL	111	
		DATA ELEMENTS	CURRENT ACTUAL	NEXT ESTIMATE
18.	COMMITTEE COST	A. PERSONNEL PAYMENTS		
		(1) NON-FEDERAL MEMBERS	\$ 655,621	\$ 702,174
		(2) FEDERAL MEMBERS	\$ 500	\$ 5,000
		(3) FEDERAL STAFF	\$ 2,302,763	\$ 2,427,466
		(4) NON-MEMBER CONSULTANTS	\$ 89,031	\$ 93,482
		B. TOTAL TRAVEL AND PER DIEM	\$ 422,948	\$ 461,828
		C. OTHER	\$ 227,309	\$ 244,275
		D. TOTAL	\$ 3,698,172	\$ 3,934,225
19.	FEDERAL STAFF SUPPORT YEARS	TOTAL FTE YEARS	33.25	33.5

**SECTION B - TOTALS FROM GSA FORMS T-821-H**

ITEM NUMBER	GSA FORM T-821-H TITLE	DATA ELEMENT	TOTAL OF ALL COMMITTEES
5.	TOTAL MEMBERS SERVING	NUMBER OF MEMBERS	73

**SECTION C - AGENCY MEMBERSHIP PROFILE DATA**

INSTRUCTIONS: ON SEPARATE ATTACHMENTS, PROVIDE THE FOLLOWING DATA:


## 1. OCCUPATIONAL GROUPS:

LIST THE TOTAL NUMBER OF MEMBERS BY THE TWO-DIGIT OCCUPATIONAL CODES AS PROVIDED IN ATTACHMENT 4 TO THE MEMORANDUM OF INSTRUCTIONS.

## 2. INDUSTRY GROUPS:

LIST THE TOTAL NUMBER OF MEMBERS BY THE TWO-DIGIT INDUSTRY CODES AS PROVIDED IN ATTACHMENT 5 TO THE MEMORANDUM OF INSTRUCTIONS.

**SECTION D - CERTIFICATION**

SPONSORING OFFICIAL OR DESIGNATED FEDERAL OFFICER TITLE: N/A NAME:	SIGNATURE	DATE
COMMITTEE MANAGEMENT OFFICER TITLE: Assistant Secretary NAME: John C. Hoyle	SIGNATURE 	DATE Nov 5, 1992
OTHER CONCURRING AGENCY OFFICIAL TITLE: N/A NAME:	SIGNATURE	DATE

<b>ANNUAL REPORT</b>	<b>REVIEW OF FEDERAL ADVISORY COMMITTEE</b>	INTERAGENCY REPORTS CONTROL NO. <b>0304-GSA-XX</b>
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INSTRUCTIONS: Complete one form for EACH committee existing any time during the fiscal year (10-01 to 9-30). Cite ALL dates in numerals (Month, day, year). If additional space is necessary, use Section F, "Remarks" on the reverse.

1. DEPARTMENT OR AGENCY  NRC	2. FISCAL YEAR  1992
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3. COMMITTEE OR SUBCOMMITTEE (Full name as chartered)  ADVISORY COMMITTEE ON NUCLEAR WASTE
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SECTION A - COMMITTEE STATUS			
4. IS THIS COMMITTEE NEW DURING FISCAL YEAR?  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	5. CURRENT CHARTER DATE DATE  05-18-92	6. EXPECTED RENEWAL DATE  05-18-94	7. EXPECTED TERMINATION DATE   NA
3A. HAS THIS COMMITTEE BEEN TERMINATED DURING FISCAL YEAR? (If "YES", complete Items 8B and 8C)  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	8B. SPECIFIC TERMINATION AUTHORITY (If by law, cite U.S.C.)		8C. ACTUAL TERMINATION DATE
NOTE: If box 9B or 9C is checked, complete items 10A and 10B and provide a brief explanation in "Remarks".			
9. AGENCY RECOMMENDATION FOR COMMITTEE FOR NEXT FISCAL YEAR  <input checked="" type="checkbox"/> A. CONTINUE <input type="checkbox"/> B. MERGE <input type="checkbox"/> C. TERMINATE		10A. IS LEGISLATION REQUIRED TO MERGE OR TERMINATE?  <input type="checkbox"/> YES <input type="checkbox"/> NO	10B. IS SUCH LEGISLATION PENDING OR ENACTED?  <input type="checkbox"/> YES <input type="checkbox"/> NO

SECTION B - COMMITTEE AUTHORITY AND TYPE			
11. ESTABLISHMENT AUTHORITY (Check ONLY one)  <input type="checkbox"/> A. SPECIFICALLY DIRECTED BY LAW <input type="checkbox"/> B. AUTHORIZED BY LAW <input checked="" type="checkbox"/> C. AGENCY AUTHORITY <input type="checkbox"/> D. PRESIDENTIAL DIRECTIVE			
12. SPECIFIC ESTABLISHMENT AUTHORITY (If by law, cite U.S.C.)  42 U.S.C. Sec. 2201	13. EFFECTIVE DATE OF AUTHORITY  01-06-88	14. COMMITTEE TYPE (Check EITHER A or B, and C, if appropriate)  <input type="checkbox"/> A. AD HOC <input checked="" type="checkbox"/> B. CONTINUING <input type="checkbox"/> C. PRESIDENTIAL	
15. DESCRIPTION OF COMMITTEE (Check ONLY one)  <input type="checkbox"/> A. NATIONAL POLICY/ISSUE ADVISORY <input type="checkbox"/> B. NON-SCIENTIFIC PROGRAM ADVISORY <input checked="" type="checkbox"/> C. SCIENTIFIC/TECHNICAL PROGRAM ADVISORY <input type="checkbox"/> D. GRANT REVIEW <input type="checkbox"/> E. REGULATORY NEGOTIATION <input type="checkbox"/> F. OTHER (Specify)			

SECTION C - COMMITTEE ACTIVITY DURING FISCAL YEAR				
16A. TOTAL NUMBER OF REPORTS  27		16B. LIST REPORT TITLES AND DATES (Month, day)  SEE ATTACHED		
17. NUMBER OF MEETINGS				E. DATES OF ALL MEETINGS (Month, day)
A. OPEN  14	B. CLOSED  0	C. PARTIALLY CLOSED  3	D. TOTAL (A + B + C)  17	SEE ATTACHED
				F. DATES OF OTHER ACTIVITIES (Describe in "Remarks")

SECTION D - COMMITTEE COST			
NOTE: Express costs in whole dollars. (DO NOT use decimals, K, M, N/A, or leave blank, indicate "0", if applicable).			
18. DESCRIPTION		CURRENT FISCAL YEAR (Actual)	NEXT FISCAL YEAR (Estimate)
A. PERSONNEL PAYMENTS	(1) NON-FEDERAL MEMBERS	\$120,097	\$ 126,102
	(2) FEDERAL MEMBERS (Prorated salary)	0	0
	(3) FEDERAL STAFF (Prorated salary)	714,088	749,793
	(4) NONMEMBER CONSULTANTS	18,978	19,927
B. TRAVEL AND PER DIEM	(1) NON-FEDERAL MEMBERS	52,185	54,794
	(2) FEDERAL MEMBERS	0	0
	(3) FEDERAL STAFF	10,325	10,841
	(4) NONMEMBER CONSULTANTS	14,216	14,927
C. OTHER (rents, user charges, graphics, printing, mailing, etc.)		63,794	66,983
<b>D. TOTAL</b>		<b>\$993,683</b>	<b>\$ 1,043,367</b>
19. FEDERAL STAFF SUPPORT YEARS  EXPRESS IN FULL-TIME EQUIVALENT (FTE) YEARS USING DECIMAL TO THE NEAREST TENTH (e.g. 0.0). (FIGURE SHOULD CORRESPOND TO DOLLAR COST IN ITEM 18A(3), ABOVE)		10 . 2	10 . 2



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**SECTION E - COMMITTEE ACCOMPLISHMENTS AND JUSTIFICATION**

(Complete this section ONLY for committees where items 4 "NO", 8A "NO", and 9A "Continue" are checked)

20A. DESCRIBE HOW THE COMMITTEE ACCOMPLISHES ITS PURPOSE BY SHOWING THE EFFECT OF COMMITTEE REPORTS, ADVICE, OR RECOMMENDATIONS ON AGENCY OPERATIONS. BE AS SPECIFIC AS POSSIBLE AND INCLUDE WORKLOAD INDICATORS AS APPROPRIATE.

SEE ATTACHED

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20B. DESCRIBE THE BALANCE OF MEMBERSHIP IN TERMS OF POINTS OF VIEW REPRESENTED AND FUNCTIONS PERFORMED.

SEE ATTACHED

---

20C. DESCRIBE THE FREQUENCY OF MEETINGS AND THE RELEVANCE TO CONTINUING THE COMMITTEE.

SEE ATTACHED

---

20D. EXPLAIN WHY THE ADVICE OR INFORMATION CANNOT BE OBTAINED FROM OTHER SOURCES.

SEE ATTACHED

---

20E. IF APPLICABLE, EXPLAIN WHY IT WAS NECESSARY TO CLOSE AND/OR PARTIALLY CLOSE COMMITTEE MEETINGS.

SEE ATTACHED

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**SECTION F - REMARKS**

21. REMARKS

**NRC**  
**Advisory Committee on Nuclear Waste**

1

SECTION C  
16B.

<u>REPORT TITLE</u>	<u>DATE</u>
SECY-91-240, Security Support for NRC Meetings/ Hearings	10/01
Regulatory Guides Being Developed in Support of the Revised 10 CFR Part 20, "Standards for Protection Against Radiation"	10/23
ACNW Participation with the ACRS and the NSRRC in Establishing Procedures to Ensure that Each Group is Aware of Activities Related to the NRC's Research Program	11/26
Staff Requirements Memorandum (SRM) M910725A Dated 8/21/91	12/02
Proposed Paper on Metrication Policy	12/02
NRC Capabilities in Computer Modeling and Performance Assessment of Low-Level Waste Disposal Facilities	12/02
NRC Capabilities in Performance Assessment and Computer Modeling of High-Level Waste Disposal Facilities	12/02
Program Plan for the ACNW	12/23
Geologic Dating of Quaternary Volcanic Features and Materials	12/24
Standard Review Plan for the Review of a License Application for a Low-Level Radioactive Waste Facility (NUREG-1200)	01/23
NRC Staff Technical Position on "The Identification of Fault Displacement and Seismic Hazards at a Geologic Repository"	01/24
Proposed Rulemaking on EPA High-Level Waste Standards	02/25
Consideration in Establishing a List of "Indicators" for Evaluating the Quality or Effectiveness of Programs for the Management and Disposal of Low-Level Radioactive Waste	03/17
Staff Technical Position on Alternate Concentration Limits for Title II Uranium Mills	04/30

**NRC**  
**Advisory Committee on Nuclear Waste**

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16B. Continued

Proposed Expedited Rulemaking: Procedures and Criteria for On-Site Storage of Low-Level Radioactive Waste	04/30
Program Plan for the ACNW	05/01
Review of NRC Hi-Level Radioactive Waste Research Program Plan (Draft NUREG-1406)	05/01
Comprehensive Systems Analysis of the High-Level Radioactive Waste Research Program Plan	05/01
Comments on Regulatory Guides to Implement the Revised 10 CFR Part 20 Requirements	06/02
Rulemaking on Design Basis Events for Geologic Repository Operations Area	06/02
Proposed Rulemaking on Emergency Planning Licensing Requirements for Independent Spent Fuel Storage Facilities (ISFSI) and Monitored Retrievable Storage Facilities (MRS)	06/02
License Application for the High-Level Waste Repository	06/02
NRC Staff Review of DOE Early Site Suitability Evaluation	07/07
Staff Technical Position on Geologic Repository Operations Area Underground Facility Design - Thermal Loads	08/04
Progress in Site Characterization Activities	08/04
Draft Regulatory Guide 8013, "ALARA Radiation Protection Program for Effluents from Materials Facilities"	09/30
Program Plan for the Advisory Committee on Nuclear Waste	09/30

**Advisory Committee on Nuclear Waste**

17E.

Full Committee Meetings

10/18  
11/20-21  
12/18-19  
01/15-17  
02/20-21  
03/12-13  
04/22-24  
05/28-29  
06/25  
07/29-30  
09/22 and 09/25

Working Group Meetings

10/16-17  
11/19  
12/17  
02/19-20  
05/27  
06/17

## SECTION E.

20A.

The Advisory Committee on Nuclear Waste (ACNW) was established by the U.S. Nuclear Regulatory Commission in June 1988. The ACNW is tasked in its charter to, " . . . report to and advise the Nuclear Regulatory Commission (NRC) on nuclear waste management, as directed by the Commission on the basis of periodic reviews of ACNW proposals. This includes 10 CFR Parts 60, 61, and 72 (as applied to other than the site of production and utilization facilities) and other applicable regulations and legislative mandates such as the Nuclear Waste Policy Act, the Low-Level Radioactive Waste Policy Act, and the Uranium Mill Tailings Radiation Control Act, as amended. The primary emphasis will be on disposal but will also include other activities off-site of production and utilization facilities, such as handling, processing, transportation, storage, and safeguarding of nuclear wastes including spent fuel, nuclear wastes mixed with other hazardous substances, and uranium mill tailings. In performing its work, the Committee will examine and report on those areas of concern referred to it by the Commission or its designated representatives, and will undertake other studies and activities on its own initiative related to those issues directed by the Commission."

**NRC**  
**Advisory Committee on Nuclear Waste**

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20A. Continued

ACNW reports (except any that may contain classified material) are made part of the public record. Activities of the Committee are conducted in accordance with the Federal Advisory Committee Act, which provides for public attendance at and participation in Committee meetings. The ACNW membership, which is drawn from scientific and engineering disciplines, includes individuals experienced in geosciences, radiation protection, radioactive waste treatment, environmental engineering, nuclear engineering, and chemistry.

During FY 1992, the ACNW reported to the Commission and others on a variety of issues as listed in Section C, 16B.

In performing the reviews and preparing the reports cited above, the ACNW held 11 full Committee meetings and 6 working group sessions.

The ACNW in conducting its reviews meets regularly with the NRC staff, the industry, other government agencies, and interested members of the public and public interest groups. The Committee and the NRC staff interact under procedures established by a Memorandum Of Understanding which gives the ACNW the opportunity to review a broad range of NRC staff regulatory actions. In addition, the Committee has periodic meetings with the NRC Commissioners to discuss issues of mutual interest. The Committee's work has had a significant impact on the NRC regulatory process. Examples of particular interest are in the Committee's work with the U.S. Environmental Protection Agency's High-Level Radioactive Waste Repository Standards, the regulation of mixed waste, groundwater protection at low-level waste disposal sites, and the review of the site characterization plans for the Yucca Mountain High-Level Waste Repository.

20B.

The Nuclear Regulatory Commission, on the basis of the technical review functions outlined in the Committee's charter, appoints ACNW members from scientific and engineering disciplines with three prerequisites in mind: outstanding scientific and technical ability, balanced and mature judgment, and willingness to devote the time required to the demanding work involved. The pool of persons so qualified is limited. At the end of September 1992, the Committee included two members from academic institutions, one member who is an employee of a national laboratory, and one member from private industry. There has been a conscious effort to obtain members with backgrounds that can address the difficult and diverse questions associated with radioactive waste disposal. This permits and fosters a concentration of scientific proficiency within the Committee, together with a diversity of viewpoints and

20B. Continued

perspectives, which provide assurance that adequate, independent, open discussion and analysis of the potential hazards of nuclear waste can take place.

During FY 1992, the membership has included engineers and scientists experienced in radioactive waste management, health physics, chemistry, nuclear engineering, environmental engineering, performance assessment, geology, geophysics, and seismotectonics.

The diversity of viewpoints presently represented by current ACNW members is broadly based from the standpoint of special fields of interest, employment experience, and scientific or technical specialty. These membership characteristics provide the Committee with a balance of highly qualified technical experts in the fields necessary to carry out the Committee's mandate.

20C.

The ACNW and its working groups held 17 meetings during FY 1992. The number of meetings held is directly related to the review schedule and scope of efforts on the high-level waste geologic repository, the number of criteria, guides, and technical positions referred for review and comment, the number of special reviews requested by the NRC, and topics of particular concern/interest to the Committee. The full Committee plans to continue meeting on approximately a monthly basis during CY 1993. Full Committee meetings generally run two to three days and cover a variety of topics (review of the site characterization plan and related NRC staff analysis, technical positions on high-level and low-level waste issues, briefings and reviews of rulemakings, etc.). For particularly complex issues, the ACNW holds working group meetings where additional time and expertise can be brought to bear on an issue and the subject developed prior to full Committee considerations. If the Committee is to continue to meet the requirements of its charter, it will need to continue to meet at least on a similar frequency in the future.

20D.

The ACNW is an independent organization that is mandated to advise the NRC on nuclear waste management, as directed by the Commission on the basis of periodic reviews of ACNW proposals. The Committee is unique in that there exists no comparable body of acknowledged experts in the field of nuclear waste management whose mandate is to provide the Commission with independent advice in this area. The Commission necessarily has its own expert staff on whom it relies in the day-to-day regulation of nuclear waste. However, there is no other advisory committee, within the Commission, with the current, broadly based knowledge of the ACNW that could be



**Advisory Committee on Nuclear Waste**

## 20D. Continued

called upon for independent assessment of safety issues related to high- and low-level waste management and disposal.

In addition, since ACNW members are part-time advisors with other full-time interests and activities in related fields, they generate an organized synergistic approach to provide a breadth of experience and state-of-the-art technical knowledge that would be difficult to duplicate with full-time government employees.

A continuing committee such as the ACNW also remains current with respect to nuclear waste issues, including related safety research, and provides a collegial judgment regarding these issues that would be impossible to duplicate by use of individual, part-time consultants on a case-by-case basis.

Through the ACNW, the public is provided assurance that an independent technical review and evaluation of nuclear waste safety issues is accomplished and an opportunity for public input during ACNW meetings is assured.

## 20E.

During this period, the Committee held 17 meetings. Portions of 3 meetings were closed. Time spent in closed sessions occupied only 4 hours. These portions were closed to discuss information submitted in confidence by a foreign source [10 CFR 2.790(d)(2)] and information that release of would represent a clearly unwarranted invasion of personal privacy [5 U.S.C. 552b(c)(6)].

INTERAGENCY REPORTS CONTROL NO.  
0304-GSA-XX

1. DEPARTMENT OR AGENCY	2. COMMITTEE OR SUBCOMMITTEE (Full name, as chartered)	3. FISCAL YEAR
NRC	ADVISORY COMMITTEE ON NUCLEAR WASTE	1992

Mr. Raymond F. Fraley, Executive Director  
USNRC/ACNW  
Washington, DC 20555

6. LIST OF MEMBERS SERVING DURING FISCAL YEAR  
(NOTE: Indicate chairperson(s) by placing an asterisk (\*) to the left of name.)

[illegible]

<b>ANNUAL REPORT</b>	<b>REVIEW OF FEDERAL ADVISORY COMMITTEE</b>	INTERAGENCY REPORTS CONTROL NO. <b>0304-GSA-XX</b>
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INSTRUCTIONS: Complete one form for EACH committee existing any time during the fiscal year (10-01 to 9-30). Cite ALL dates in numerals (Month, day, year). If additional space is necessary, use Section F, "Remarks" on the reverse.

1. DEPARTMENT OR AGENCY  NRC	2. FISCAL YEAR  1992
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3. COMMITTEE OR SUBCOMMITTEE (Full name as chartered)

ADVISORY COMMITTEE ON REACTOR SAFEGUARDS

**SECTION A - COMMITTEE STATUS**

4. IS THIS COMMITTEE NEW DURING FISCAL YEAR?  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	5. CURRENT CHARTER DATE DATE 12/24/90	6. EXPECTED RENEWAL DATE 12/24/92	7. EXPECTED TERMINATION DATE  N/A
8A. HAS THIS COMMITTEE BEEN TERMINATED DURING FISCAL YEAR? (If "YES", complete items 8B and 8C)  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	8B. SPECIFIC TERMINATION AUTHORITY (If by law, cite U.S.C.)		8C. ACTUAL TERMINATION DATE

NOTE: If box 9B or 9C is checked, complete items 10A and 10B and provide a brief explanation in "Remarks".

9. AGENCY RECOMMENDATION FOR COMMITTEE FOR NEXT FISCAL YEAR  <input checked="" type="checkbox"/> A. CONTINUE <input type="checkbox"/> B. MERGE <input type="checkbox"/> C. TERMINATE	10A. IS LEGISLATION REQUIRED TO MERGE OR TERMINATE?  <input type="checkbox"/> YES <input type="checkbox"/> NO	10B. IS SUCH LEGISLATION PENDING OR ENACTED?  <input type="checkbox"/> YES <input type="checkbox"/> NO
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**SECTION B - COMMITTEE AUTHORITY AND TYPE**

11. ESTABLISHMENT AUTHORITY (Check ONLY one)			
<input checked="" type="checkbox"/> A. SPECIFICALLY DIRECTED BY LAW	<input type="checkbox"/> B. AUTHORIZED BY LAW	<input type="checkbox"/> C. AGENCY AUTHORITY	<input type="checkbox"/> D. PRESIDENTIAL DIRECTIVE
12. SPECIFIC ESTABLISHMENT AUTHORITY (If by law, cite U.S.C.)  42 U.S.C. Sec. 2039 & 2232	13. EFFECTIVE DATE OF AUTHORITY 1957	14. COMMITTEE TYPE (Check EITHER A or B, and C, if appropriate)  <input type="checkbox"/> A. AD HOC <input checked="" type="checkbox"/> B. CONTINUING <input type="checkbox"/> C. PRESIDENTIAL	
15. DESCRIPTION OF COMMITTEE (Check ONLY one)			
<input type="checkbox"/> A. NATIONAL POLICY/ISSUE ADVISORY	<input type="checkbox"/> B. NON-SCIENTIFIC PROGRAM ADVISORY	<input checked="" type="checkbox"/> C. SCIENTIFIC/TECHNICAL PROGRAM ADVISORY	<input type="checkbox"/> D. GRANT REVIEW <input type="checkbox"/> E. REGULATORY NEGOTIATION <input type="checkbox"/> F. OTHER (Specify)

**SECTION C - COMMITTEE ACTIVITY DURING FISCAL YEAR**

16A. TOTAL NUMBER OF REPORTS  55	16B. LIST REPORT TITLES AND DATES (Month, day)  SEE ATTACHED			
17. NUMBER OF MEETINGS				
A. OPEN 53	B. CLOSED 4	C. PARTIALLY CLOSED 29	D. TOTAL (A + B + C) 86	E. DATES OF ALL MEETINGS (Month, day)  SEE ATTACHED
				F. DATES OF OTHER ACTIVITIES (Describe in "Remarks")

**SECTION D - COMMITTEE COST**

NOTE: Express costs in whole dollars. (DO NOT use decimals, K, M, N/A, or leave blank, indicate "0", if applicable).

18. DESCRIPTION	CURRENT FISCAL YEAR (Actual)	NEXT FISCAL YEAR (Estimate)
A. PERSONNEL PAYMENTS	(1) NON-FEDERAL MEMBERS	\$ 490,544
	(2) FEDERAL MEMBERS (Prorated salary)	0
	(3) FEDERAL STAFF (Prorated salary)	1,505,186
	(4) NONMEMBER CONSULTANTS	70,053
B. TRAVEL AND PER DIEM	(1) NON-FEDERAL MEMBERS	233,708
	(2) FEDERAL MEMBERS	0
	(3) FEDERAL STAFF	19,219
	(4) NONMEMBER CONSULTANTS	49,704
C. OTHER (rents, user charges, graphics, printing, mailing, etc.)	154,897	162,642
<b>D. TOTAL</b>	<b>\$ 2,523,311</b>	<b>\$2,649,476</b>
19. FEDERAL STAFF SUPPORT YEARS		
EXPRESS IN FULL-TIME EQUIVALENT (FTE) YEARS USING DECIMAL TO THE NEAREST TENTH (e.g. 0.0). (FIGURE SHOULD CORRESPOND TO DOLLAR COST IN ITEM 18A(3), ABOVE)	21 . 5	21 . 5

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**SECTION E - COMMITTEE ACCOMPLISHMENTS AND JUSTIFICATION**

(Complete this section ONLY for committees where items 4 "NO", 8A "NO", and 9A "Continue" are checked)

20A. DESCRIBE HOW THE COMMITTEE ACCOMPLISHES ITS PURPOSE BY SHOWING THE EFFECT OF COMMITTEE REPORTS, ADVICE, OR RECOMMENDATIONS ON AGENCY OPERATIONS. BE AS SPECIFIC AS POSSIBLE AND INCLUDE WORKLOAD INDICATORS AS APPROPRIATE.

SEE ATTACHED

---

20B. DESCRIBE THE BALANCE OF MEMBERSHIP IN TERMS OF POINTS OF VIEW REPRESENTED AND FUNCTIONS PERFORMED.

SEE ATTACHED

---

20C. DESCRIBE THE FREQUENCY OF MEETINGS AND THE RELEVANCE TO CONTINUING THE COMMITTEE.

SEE ATTACHED

---

20D. EXPLAIN WHY THE ADVICE OR INFORMATION CANNOT BE OBTAINED FROM OTHER SOURCES.

SEE ATTACHED

---

20E. IF APPLICABLE, EXPLAIN WHY IT WAS NECESSARY TO CLOSE AND/OR PARTIALLY CLOSE COMMITTEE MEETINGS.

SEE ATTACHED

---

**SECTION F - REMARKS**

21. REMARKS

NRC

1

**Advisory Committee on Reactor Safeguards**

SECTION C  
16B.

<u>REPORT TITLE</u>	<u>DATE</u>
Schedule for ACRS Review of Recent Staff Papers	10/17
Proposed Resolution of Generic Issue 113, "Dynamic Qualification and Testing of Large Bore Hydraulic Snubbers"	10/17
Proposed Paper on Metrication Policy	10/17
Regulatory Guides Being Developed in Support of the Revised 10 CFR Part 20	10/17
Diablo Canyon Nuclear Power Plant Long Term Seismic Program	10/18
Resolution of Generic Issue 121, "Hydrogen Control for PWR Dry Containers	11/13
NRC Staff Recommendations for Reviewing, Monitoring and Approving Vendors' Test Programs to Support the Design Certification of Passive Light Water Reactors as Described in SECY-91-273	11/14
Steam Generator Tube Repair Limits	11/15
The Consistent Use of Probabilistic Risk Assessment	12/14
SECY-91-270, "Interim Guidance on Staff Implementation of The Commission's Safety Goal Policy"	12/18
NRC Staff Approach to the Review of the Role of Personnel and Advanced Control Rooms in Future Nuclear Power Plants as Described in SECY-91-272	12/18
SECY-91-262, "Resolution of Selected Technical and Severe Accident Issues for Evolutionary Light Water Reactor Designs"	12/18
Resolution of Generic Safety Issue B-56, "Diesel Generator Reliability"	12/20
Proposed Rulemaking to Modify Operating Power Reactor Event Reporting Requirements - 10 CFR Part 50.72 and Part 50.73	12/20

**Advisory Committee on Reactor Safeguards**

Proposed Revisions of Appendix A to 10 CFR Part 100, Seismic and Geologic Siting Criteria for Nuclear Power Plants	12/24
Proposed 10 CFR Part 50 and Part 100 (Nonseismic) Rule Changes and Proposed Update of Source Term	01/15
Safety Research Report	02/12
Trends in Core Melt Probability	02/14
Use of Design Acceptance Criteria During 10 CFR Part 52 Design Certification Reviews	02/14
Proposed Revisions to 10 CFR Parts 50 and 100 and Proposed Regulatory Guides Relating to Seismic Siting and Earthquake Engineering Criteria	02/14
Requirements for Full-Height, Full-Pressure Integral System Testing of the Westinghouse AP600 Passive Plant Design	03/10
Proposed Priority Rankings of Generic Issues: Seventh Group	03/11
Full-Height, Full-Pressure Integral System Testing for the Westinghouse AP600 Passive Plant Design	04/06
Final Rule to Amend 10 CFR 50.55a - Codes and Standards	04/09
Evaluation of the Risks During Shutdown and Low-Power Operations for U.S. Nuclear Power Plants	04/09
NRC Staff Probabilistic Risk Assessment Working Group Program Plan	04/09
Review of the Draft Safety Evaluation Reports on the GE ABWR Design	04/13
Issues Pertaining to Evolutionary and Passive Light Water Reactors and Their Relationship to Current Regulatory Requirements	05/13
Definition of a Large Release for Use with the Safety Goal Policy	05/13
Advance Notice of Proposed Rulemaking on Severe Accident Plant Performance Criteria for Future LWRs	05/14



**NRC**

3

**Advisory Committee on Reactor Safeguards**

Reliability of Emergency AC Power at Nuclear Power Plants	05/19
Testing and Analysis Program in Support of the Simplified Boiling Water Reactor Design Certification	06/10
Regulatory Guides 8.7, Revision 1, and 8N6 to Implement the Revised 10 CFR Part 20	06/10
Proposed Amendments to Fitness-For-Duty Rule (10 CFR Part 26)	06/10
Individual Plant Examination and Accident Management Programs	06/11
Implementation of the Safety Goal Policy	06/12
SECY-92-133, "Draft Safety Evaluation Reports for Volume I and volume III of the Electric Power Research Institute's Advanced Light Water Reactor Requirements Document"	06/15
Interim Report on the use of Design Acceptance Criteria in the Certification of the GE Nuclear Energy Advanced Boiling Water Reactor Design	06/16
Integral System and Separate Effects Testing in Support of the Westinghouse AP600 Plant Design Certification	07/17
Elimination of Requirements Marginal to Safety	08/11
Inspections, Tests, Analyses, and Acceptance Criteria Program for the GE Advanced Boiling Water Reactor Design	08/12
ACRS Plan for Reviewing the Application for Certification of the GE Advanced Boiling Water Reactor Design	08/12
Proposed Policy Statement on Conversion to the Metric System	08/14
Proposed Revision 3 to Regulatory Guide 1.101, "Emergency Planning and Preparedness for Nuclear Power Reactors"	08/14
Supplement 1 to Generic Letter 83-28, "Required Actions Based on Generic Implications of Salem ATWS Events"	08/14

**NRC**

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**Advisory Committee on Reactor Safeguards**

Proposed Resolution of Generic Safety Issue 106, "Piping and the Use of Highly Combustible Gases in Vital Areas"	08/14
Proposed Resolution of Generic Issue 151, "Reliability of ATWS Recirculation Pump Trip in Boiling Water Reactors"	08/14
Proposed Regulatory Guide and Interim Standard Review Plan for License Renewal and A Related Branch Technical Position on Fatigue Evaluation Procedures	08/17
Issues Pertaining to Evolutionary and Passive Light Water Reactors and Their Relationship to Current Regulatory Requirements	08/17
Electric Power Research Institute Advanced Light Water Reactor Utility Requirements Document -- Volume II, Evolutionary Plants	08/18
Severe Accident Research Program Plan	08/18
NRC Staff's Proposed Resolution of Issues Identified in its Evaluation of Shutdown and Low-Power Operations	09/15
Draft Commission Paper, "Design Certification and Licensing Policy Issues Pertaining to Passive and Evolutionary Advanced LWR Designs"	09/16
Digital Instrumentation and Control System Reliability	09/16
General Electric Nuclear Energy Power Uprate Program/Fermi, Unit 2 Power Increase Request	09/17

NRC

5

**Advisory Committee on Reactor Safeguards**

17E.

Full Committee Meetings

10/10-12  
11/07-08  
12/12-14  
01/09-11  
02/06-08  
03/05-07  
04/02-04  
05/06-09  
06/04-05  
07/09-11  
08/06-08  
09/10-12

Subcommittee Meetings

10/09  
10/23  
10/24-25  
11/06 (3)  
11/19  
11/20  
11/21  
11/22-24  
12/03-04  
12/05  
12/10  
12/11 (2)  
12/17  
01/07-08  
01/08  
01/14  
01/22  
01/23-24  
02/04  
02/05 (2)  
02/13  
02/14  
02/19  
02/20-21  
02/26-27  
02/28  
03/03  
03/04 (2)  
03/19  
03/26

## Advisory Committee on Reactor Safeguards

## 17E. (continued)

04/01	(2)
04/21	
04/22	
04/23	
05/05	(3)
05/06	
05/20	
05/21	
05/26	
05/27	(2)
06/02	
06/03	(2)
06/16	
06/17	
06/18	
06/23-24	
06/25	
07/07	
07/08	(2)
07/27	
08/04	
08/05	(2)
08/18	
08/19	
08/20-21	
09/09	(3)
09/16	
09/17	
09/22	
09/23	

## 20A.

The Advisory Committee on Reactor Safeguards (ACRS), established by statute in 1957, provides advice to the Commission on potential hazards of proposed or existing reactor facilities and the adequacy of proposed safety standards. The Atomic Energy Act of 1954, as revised, requires that the ACRS advise the Commission with respect to the safety of operating reactors and perform such other duties as the Commission may request. Consistent with the Energy Reorganization Act of 1974, as amended, the Committee will review any matter related to the safety of nuclear facilities specifically requested by the Department of Energy (DOE) and will provide any assistance requested by the Defense Nuclear Facilities Safety Board. Also, in accordance with Public Law 95-209, the ACRS is required to prepare an annual report to the U.S. Congress on the NRC Safety Research Program.

The ACRS reviews requests for preapplication site and standard

**Advisory Committee on Reactor Safeguards**

plant approvals, each application for a construction permit or an operating license for power reactors, applications for licenses to construct or operate test reactors, and substantive amendments to such licenses.

Consistent with the statutory charter of the Committee, ACRS reports, except for classified reports, are made part of the public record. Activities of the Committee are conducted in accordance with the Federal Advisory Committee Act, which provides for public attendance at and participation in Committee meetings. The ACRS membership, which is drawn from scientific and engineering disciplines, includes individuals experienced in reactor operations, nuclear reactor systems design, electrical engineering, chemical engineering, civil engineering, materials engineering, mechanical engineering, nuclear engineering, reactor design, heat transfer and fluid flow, thermodynamics, reactor physics, and probabilistic risk analysis.

During FY 1992, the Committee completed the reports listed in Section C, 16B, which includes its annual report to Congress on the overall NRC Safety Research Program. In performing the reviews and preparing these reports, the ACRS held 12 full Committee meetings and 74 subcommittee meetings.

The ACRS in conducting its reviews meets regularly with the NRC staff, the industry, other government agencies, and interested members of the public and public interest groups. The Committee and the NRC staff interact under procedures established by a Memorandum Of Understanding, which gives the ACRS the opportunity to review a broad range of NRC regulatory actions. In addition, the Committee has periodic meetings with the NRC Commissioners and with individual NRC office directors to discuss issues of mutual interest. The Committee's work has had a significant impact on the NRC regulatory process. Examples of particular interest are the Committee's work on the development of requirements for and the licensing of standard plant designs, safety issues associated with operating nuclear power plants, nuclear power plant license renewal, severe accident issues, nuclear safety research, and the implementation of the NRC Safety Goal Policy.

20B.

The Nuclear Regulatory Commission, on the basis of the technical review functions outlined in the statutory mission of the Committee, appoints ACRS members from the scientific and engineering disciplines with three prerequisites in mind: outstanding scientific and technical ability, balanced and mature judgment, and willingness to devote the time required to the demanding work involved. The pool of persons so qualified is limited. At the end of September 1992, the Committee included members from academic institutions with nuclear and nonnuclear

**Advisory Committee on Reactor Safeguards**

backgrounds, members who have retired from active employment in the nuclear field, and a member currently employed at a nuclear development laboratory. There has been a conscious effort to obtain members trained in both nuclear and the nonnuclear disciplines who have had considerable experience in various fields needed to evaluate proposed design, construction, and operation of nuclear power plants and related facilities. This permits and fosters scientific and engineering proficiency within the Committee, together with a diversity of viewpoints and perspectives, which provide assurance that adequate discussion and analysis of the potential hazards of nuclear reactors and the adequacy of safety standards can take place.

During FY 1992, the membership included those experienced in reactor operations; reactor physics; management; probabilistic risk assessment; analysis of reactor accident phenomena; human factors; design of nuclear power plant structures, systems, and components; and mechanical, civil, and electrical engineering.

When vacancies arise, the NRC issues public announcements soliciting nominees to provide for public involvement in the nominating process for ACRS members. In the past, nominations have been received from the public, including organizations such as public interest groups and technical societies, and we expect this interest to continue when future vacancies are announced. Further, the diversity of viewpoints presently represented by current ACRS members is broadly based from the standpoint of special fields of interest, employment experience, and scientific or technical specialty. These membership characteristics provide the Committee with a balance of highly qualified technical experts in the nuclear and nonnuclear fields necessary to carry out the Committee's statutory requirements.

20C.

The ACRS and its subcommittees held 86 meetings during FY 1992. The number of meetings held is directly related to the number of reactor project reviews referred by the Nuclear Regulatory Commission to the Committee for review or required by statute; the number of generic issues that arose during the year; the number of criteria and guides referred to the Committee for review and comment; the number of special reviews requested by the NRC and Congress; and areas of particular interest/concern to the Committee. The full Committee normally meets once a month for a three-day session to consider projects, generic and special reviews, and criteria and regulatory guides that are ready for full Committee consideration. ACRS subcommittees meet as necessary with licensees, NRC staff, and others to develop information for the Committee on the particular matters under review and to identify those matters warranting particular attention by the full Committee. If the Committee is to continue to meet the



**Advisory Committee on Reactor Safeguards**

requirements of the statute that established it, and the later additions and amendments, it will need to continue to meet at a similar frequency in the future.

20D.

As established by the Atomic Energy Act of 1954, the Advisory Committee on Reactor Safeguards is a group of part-time experts mandated to perform certain specific functions and provide advice to the Nuclear Regulatory Commission with regard to the potential hazards of proposed or existing nuclear facilities and the adequacy of proposed reactor standards. The Committee is unique in that there exists no comparable body composed of acknowledged experts in the field of nuclear reactor safety whose Congressional mandate is to provide the Commission with independent advice in this area.<sup>1</sup>

The Commission necessarily has its own expert staff on whom it relies in the day-to-day regulation of nuclear power facilities. However, there is no other advisory committee, either within the Commission or in other agencies, with the current, broadly based knowledge of the ACRS that could be called upon to provide advice to NRC for independent assessments of reactor safety issues.

In addition, since ACRS members are primarily part-time advisors with other full-time interests and activities in related fields, they generate an organized synergistic approach to provide a breadth of experience and state-of-the-art technical knowledge that would be difficult to duplicate with full-time government employees.

A continuing committee such as the ACRS also remains current with respect to nuclear safety issues, including related reactor operating experience and safety research, and provides a collegial judgment regarding these issues that would be impossible to duplicate by use of individual, part-time consultants on a case-by-case basis.

Through the ACRS, the public and the Congress are provided assurance that an independent technical review and evaluation of nuclear reactor projects and safety issues is accomplished and an opportunity for public input during ACRS meetings is assured.

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<sup>1</sup> The Kemeny Commission was established by the President after the accident at Three Mile Island. Its purpose was to conduct a comprehensive study and investigation of the accident. In its Report of the President's Commission On the Accident at Three Mile Island, the Commission recommended that the members of the committee should continue as part-time appointees; the Commission believes that the independence and high quality of the members might be compromised by making them full-time federal employees.

**Advisory Committee on Reactor Safeguards**

20E.

During this period, the Committee held 12 full Committee meetings during which Committee business of the usual nature was conducted. Portions of these meetings were closed and time spent in closed sessions occupied approximately 6½ hours.

These sessions were closed to discuss:

- ° Information the release of which would represent a clearly unwarranted invasion of personal privacy [5 U.S.C. 552b(c)(6)].
- ° Information of a proprietary nature [5 U.S.C. 552b(c)(4)].

There were also subcommittee meetings which were entirely or partially closed. These meetings were held under the provisions of 10 CFR Part 7.2(3)(viii).



<b>ANNUAL REPORT</b>	<b>REVIEW OF FEDERAL ADVISORY COMMITTEE</b>	INTERAGENCY REPORTS CONTROL NO. <b>0304-GSA-XX</b>
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INSTRUCTIONS: Complete one form for EACH committee existing any time during the fiscal year (10-01 to 9-30). Cite ALL dates in numerals (Month, day, year). If additional space is necessary, use Section F, "Remarks" on the reverse.

1. DEPARTMENT OR AGENCY  U.S. Nuclear Regulatory Commission	2. FISCAL YEAR  1992
3. COMMITTEE OR SUBCOMMITTEE (Full name as chartered)  Advisory Committee on Medical Uses of Isotopes	

#### SECTION A - COMMITTEE STATUS

4. IS THIS COMMITTEE NEW DURING FISCAL YEAR?  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	5. CURRENT CHARTER DATE DATE April 4, 1992	6. EXPECTED RENEWAL DATE April 4, 1994	7. EXPECTED TERMINATION DATE
9A. HAS THIS COMMITTEE BEEN TERMINATED DURING FISCAL YEAR? (If "YES", complete items 8B and 8C)  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	8B. SPECIFIC TERMINATION AUTHORITY (if by law, cite U.S.C.)		8C. ACTUAL TERMINATION DATE

NOTE: If box 9B or 9C is checked, complete items 10A and 10B and provide a brief explanation in "Remarks".

9. AGENCY RECOMMENDATION FOR COMMITTEE FOR NEXT FISCAL YEAR  <input checked="" type="checkbox"/> A. CONTINUE <input type="checkbox"/> B. MERGE <input type="checkbox"/> C. TERMINATE	10A. IS LEGISLATION REQUIRED TO MERGE OR TERMINATE?  <input type="checkbox"/> YES <input type="checkbox"/> NO	10B. IS SUCH LEGISLATION PENDING OR ENACTED?  <input type="checkbox"/> YES <input type="checkbox"/> NO
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#### SECTION B - COMMITTEE AUTHORITY AND TYPE

11. ESTABLISHMENT AUTHORITY (Check ONLY one)  <input type="checkbox"/> A. SPECIFICALLY DIRECTED BY LAW <input type="checkbox"/> B. AUTHORIZED BY LAW <input checked="" type="checkbox"/> C. AGENCY AUTHORITY <input type="checkbox"/> D. PRESIDENTIAL DIRECTIVE			
12. SPECIFIC ESTABLISHMENT AUTHORITY (if by law, cite U.S.C.)  42 U.S.C. Sec 2201	13. EFFECTIVE DATE OF AUTHORITY July 1958	14. COMMITTEE TYPE (Check EITHER A or B, and C, if appropriate)  <input type="checkbox"/> A. AD HOC <input checked="" type="checkbox"/> B. CONTINUING <input type="checkbox"/> C. PRESIDENTIAL	
15. DESCRIPTION OF COMMITTEE (Check ONLY one)  <input type="checkbox"/> A. NATIONAL POLICY/ISSUE ADVISORY <input type="checkbox"/> B. NON-SCIENTIFIC PROGRAM ADVISORY <input checked="" type="checkbox"/> C. SCIENTIFIC/TECHNICAL PROGRAM ADVISORY <input type="checkbox"/> D. GRANT REVIEW <input type="checkbox"/> E. REGULATORY NEGOTIATION <input type="checkbox"/> F. OTHER (Specify)			

#### SECTION C - COMMITTEE ACTIVITY DURING FISCAL YEAR

16A. TOTAL NUMBER OF REPORTS  4	16B. LIST REPORT TITLES AND DATES (Month, day)  Minutes May 7 & 8, 1992 July 30, 1992 November 7 & 8, 1991 / November 7, 1991 - Closed Meeting	"Official Transcripts" May 7 & 8, 1992 July 30, 1992 November 7 & 8, 1991
17. NUMBER OF MEETINGS A. OPEN B. CLOSED C. PARTIALLY CLOSED D. TOTAL (A + B + C)  3      1           4		E. DATES OF ALL MEETINGS (Month, day) 11/7-8 (2); 5/7-8; 7/30 F. DATES OF OTHER ACTIVITIES (Describe in "Remarks")

#### SECTION D - COMMITTEE COST

NOTE: Express costs in whole dollars. (DO NOT use decimals, K, M, N/A, or leave blank, indicate "0", if applicable).

18. DESCRIPTION	CURRENT FISCAL YEAR (Actual)	NEXT FISCAL YEAR (Estimate)
A. PERSONNEL PAYMENTS	(1) NON-FEDERAL MEMBERS	\$ 13,372
	(2) FEDERAL MEMBERS (Prorated salary)	0
	(3) FEDERAL STAFF (Prorated salary)	33,425
	(4) NONMEMBER CONSULTANTS	0
B. TRAVEL AND PER DIEM	(1) NON-FEDERAL MEMBERS	15,429
	(2) FEDERAL MEMBERS	0
	(3) FEDERAL STAFF	2,300
	(4) NONMEMBER CONSULTANTS	0
C. OTHER (rents, user charges, graphics, printing, mailing, etc.)		3,025
<b>D. TOTAL</b>		<b>\$ 67,551</b>
19. FEDERAL STAFF SUPPORT YEARS  EXPRESS IN FULL-TIME EQUIVALENT (FTE) YEARS USING DECIMAL TO THE NEAREST TENTH (e.g. 0.0). (FIGURE SHOULD CORRESPOND TO DOLLAR COST IN ITEM 18A(3), ABOVE)		0.7

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**SECTION E - COMMITTEE ACCOMPLISHMENTS AND JUSTIFICATION**

(Complete this section ONLY for committees where items 4 "NO", 8A "NO", and 9A "Continue" are checked)

20A. DESCRIBE HOW THE COMMITTEE ACCOMPLISHES ITS PURPOSE BY SHOWING THE EFFECT OF COMMITTEE REPORTS, ADVICE, OR RECOMMENDATIONS ON AGENCY OPERATIONS. BE AS SPECIFIC AS POSSIBLE AND INCLUDE WORKLOAD INDICATORS AS APPROPRIATE.

20B. DESCRIBE THE BALANCE OF MEMBERSHIP IN TERMS OF POINTS OF VIEW REPRESENTED AND FUNCTIONS PERFORMED.

20C. DESCRIBE THE FREQUENCY OF MEETINGS AND THE RELEVANCE TO CONTINUING THE COMMITTEE.

20D. EXPLAIN WHY THE ADVICE OR INFORMATION CANNOT BE OBTAINED FROM OTHER SOURCES.

20E. IF APPLICABLE, EXPLAIN WHY IT WAS NECESSARY TO CLOSE AND/OR PARTIALLY CLOSE COMMITTEE MEETINGS.

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**SECTION F - REMARKS**

21. REMARKS

NRC ADVISORY COMMITTEE ON THE MEDICAL USES OF ISOTOPES  
FY1992 ANNUAL REPORT

20A. HOW THE COMMITTEE ACCOMPLISHES ITS PURPOSE

The NRC staff believes that both licensees and the general public benefit when recognized experts provide advice to the staff on medical issues in which NRC's standards may be unclear or inapplicable and when these experts can provide advice on rulemaking and other initiatives at critical stages throughout their development.

The ACMUI met in November 1991, May and July of 1992. The topics discussed included: the Quality Management Rule, that required licensees to have quality management programs; the Interim Final Rule, involving the use of radiopharmaceuticals; training and experience, supervision, the administration of byproduct material to pregnant or nursing women, and abnormal occurrence criteria. One closed meeting was held to examine the training and experience criteria for physicians who wanted to be authorized users, but whose credentials did not exactly meet the requirements listed in 10 CFR Part 35, Subpart J.

20B BALANCE OF MEMBERSHIP

The committee's membership is comprised of five physicians, one nuclear pharmacist, two medical physicists, one nuclear medicine technologist, one representative with the States' perspective, one patient's rights and care advocate, and one representative from the FDA. The members all have demonstrated professional qualifications and expertise in those scientific and technical disciplines directly related to the NRC's regulation of byproduct material in the practice of medicine.

20C MEETING FREQUENCY

The Committee may increase their meeting frequency from two to three meetings to accommodate the Commissioners' recent request for a yearly meeting with them.

20D WHY ADVICE CANNOT BE OBTAINED FROM OTHER SOURCES

The necessary advice to be provided by the ACMUI cannot be obtained from other sources within the NRC. To develop and maintain an in-house capability to match the quality and quantity of expert advice embodied in the advisory committee would be difficult, if not impossible. There appear to be no other sources within NRC or elsewhere which have the individual expertise capable of providing the in-depth advice needed.

20E CLOSED MEETING

It was necessary to hold a closed meeting in November 1991 to examine physicians credentials. The meeting was closed to ensure the physicians privacy.



INTERAGENCY REPORTS CONTROL NO.  
0304-GSA-XX

1. DEPARTMENT OR AGENCY	2. COMMITTEE OR SUBCOMMITTEE (Full name, as chartered)	3. FISCAL YEAR
U.S. NRC	Advisory Committee on Medical Uses of Isotopes	1992

John E. Glenn, Ph.D.  
Division of Industrial and  
Medical Nuclear Safety, NMSS  
U.S. Nuclear Regulatory Commission  
Mail Stop 6-H-3  
Washington, DC 20555

6. LIST OF MEMBERS SERVING DURING FISCAL YEAR  
(NOTE: Indicate chairperson(s) by placing an asterisk (\*) to the left of name.)

[illegible]

INSTRUCTIONS: Complete one form for EACH committee existing any time during the fiscal year (10-01 to 9-30). Cite ALL dates in numerals (Month, day, year). If additional space is necessary, use Section F, "Remarks" on the reverse.

1. DEPARTMENT OR AGENCY  Nuclear Regulatory Commission (NRC)	2. FISCAL YEAR  1992
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3. COMMITTEE OR SUBCOMMITTEE (Full name as chartered)  
  
Advisory Panel for the Decontamination of TMI-2

**SECTION A - COMMITTEE STATUS**

4. IS THIS COMMITTEE NEW DURING FISCAL YEAR?  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	5. CURRENT CHARTER DATE DATE 11/28/90	6. EXPECTED RENEWAL DATE 11/29/92	7. EXPECTED TERMINATION DATE  3/1/93
3A. HAS THIS COMMITTEE BEEN TERMINATED DURING FISCAL YEAR? (If "YES", complete items 8B and 8C)  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	8B. SPECIFIC TERMINATION AUTHORITY (If by law, cite U.S.C.)		8C. ACTUAL TERMINATION DATE

NOTE: If box 9B or 9C is checked, complete items 10A and 10B and provide a brief explanation in "Remarks".

9. AGENCY RECOMMENDATION FOR COMMITTEE FOR NEXT FISCAL YEAR  <input checked="" type="checkbox"/> A. CONTINUE <input type="checkbox"/> B. MERGE <input type="checkbox"/> C. TERMINATE	10A. IS LEGISLATION REQUIRED TO MERGE OR TERMINATE?  <input type="checkbox"/> YES <input type="checkbox"/> NO	10B. IS SUCH LEGISLATION PENDING OR ENACTED?  <input type="checkbox"/> YES <input type="checkbox"/> NO
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**SECTION B - COMMITTEE AUTHORITY AND TYPE**

11. ESTABLISHMENT AUTHORITY (Check ONLY one)  <input type="checkbox"/> A. SPECIFICALLY DIRECTED BY LAW <input type="checkbox"/> B. AUTHORIZED BY LAW <input checked="" type="checkbox"/> C. AGENCY AUTHORITY <input type="checkbox"/> D. PRESIDENTIAL DIRECTIVE			
12. SPECIFIC ESTABLISHMENT AUTHORITY (If by law, cite U.S.C.)  42 U.S.C. Sec. 2201	13. EFFECTIVE DATE OF AUTHORITY  10/1/80	14. COMMITTEE TYPE (Check EITHER A or B, and C, if appropriate)  <input type="checkbox"/> A. AD HOC <input checked="" type="checkbox"/> B. CONTINUING <input type="checkbox"/> C. PRESIDENTIAL	
15. DESCRIPTION OF COMMITTEE (Check ONLY one)  <input type="checkbox"/> A. NATIONAL POLICY/ISSUE ADVISORY <input type="checkbox"/> B. NON-SCIENTIFIC PROGRAM ADVISORY <input checked="" type="checkbox"/> C. SCIENTIFIC/TECHNICAL PROGRAM ADVISORY <input type="checkbox"/> D. GRANT REVIEW <input type="checkbox"/> E. REGULATORY NEGOTIATION <input type="checkbox"/> F. OTHER (Specify)			

**SECTION C - COMMITTEE ACTIVITY DURING FISCAL YEAR**

16A. TOTAL NUMBER OF REPORTS  0	16B. LIST REPORT TITLES AND DATES (Month, day)  None			
17. NUMBER OF MEETINGS				
A. OPEN  2	B. CLOSED  0	C. PARTIALLY CLOSED  0	D. TOTAL (A + B + C)  2	E. DATES OF ALL MEETINGS (Month, day)  4/16/92    6/9/92
				F. DATES OF OTHER ACTIVITIES (Describe in "Remarks")  None

**SECTION D - COMMITTEE COST**

NOTE: Express costs in whole dollars. (DO NOT use decimals, K, M, N/A, or leave blank, indicate "0", if applicable).

18. DESCRIPTION		CURRENT FISCAL YEAR (Actual)	NEXT FISCAL YEAR (Estimate)
A. PERSONNEL PAYMENTS	(1) NON-FEDERAL MEMBERS	\$ 0	\$ 0
	(2) FEDERAL MEMBERS (Prorated salary)	0	0
	(3) FEDERAL STAFF (Prorated salary)	7600	7800
	(4) NONMEMBER CONSULTANTS	0	0
B. TRAVEL AND PER DIEM	(1) NON-FEDERAL MEMBERS	1279	1400
	(2) FEDERAL MEMBERS	0	0
	(3) FEDERAL STAFF	262	100
	(4) NONMEMBER CONSULTANTS	0	0
C. OTHER (rents, user charges, graphics, printing, mailing, etc.)		3168	1600
<b>D. TOTAL</b>		<b>\$ 12,309</b>	<b>\$10,900</b>

19. FEDERAL STAFF SUPPORT YEARS  EXPRESS IN FULL-TIME EQUIVALENT (FTE) YEARS USING DECIMAL TO THE NEAREST TENTH (e.g. 0.0). (FIGURE SHOULD CORRESPOND TO DOLLAR COST IN ITEM 18A(3), ABOVE)	1	1
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**SECTION E – COMMITTEE ACCOMPLISHMENTS AND JUSTIFICATION**

(Complete this section ONLY for committees where items 4 "NO", 8A "NO", and 9A "Continue" are checked)

20A. DESCRIBE HOW THE COMMITTEE ACCOMPLISHES ITS PURPOSE BY SHOWING THE EFFECT OF COMMITTEE REPORTS, ADVICE, OR RECOMMENDATIONS ON AGENCY OPERATIONS. BE AS SPECIFIC AS POSSIBLE AND INCLUDE WORKLOAD INDICATORS AS APPROPRIATE.

See attached.

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20B. DESCRIBE THE BALANCE OF MEMBERSHIP IN TERMS OF POINTS OF VIEW REPRESENTED AND FUNCTIONS PERFORMED.

See attached.

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20C. DESCRIBE THE FREQUENCY OF MEETINGS AND THE RELEVANCE TO CONTINUING THE COMMITTEE.

See attached.

---

20D. EXPLAIN WHY THE ADVICE OR INFORMATION CANNOT BE OBTAINED FROM OTHER SOURCES.

See attached.

---

20E. IF APPLICABLE, EXPLAIN WHY IT WAS NECESSARY TO CLOSE AND/OR PARTIALLY CLOSE COMMITTEE MEETINGS.

Not applicable.

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**SECTION F – REMARKS**

21. REMARKS

20A.

The panel met two times during FY 1992 to consider a variety of topics relating to the placement of the damaged Three Mile Island Nuclear Station, Unit 2, into long-term storage, including the continued and future availability of funding for decommissioning, the status of planning for future activities, and the status and progress of on-going cleanup of the facility. Throughout its existence, the panel's advice has resulted in modifications in the NRC's regulatory activities in the cleanup effort. Periodically, the panel meets directly with the NRC Commissioners to express their views - the next such meeting is scheduled for December 1, 1992.

20B.

The panel is composed of local citizens and scientists. It includes members that are both supportive, as well as critical of the actions taken by the licensee and regulatory agencies. A number of scientific disciplines are represented, including engineering, health physics and physics. The panel functions as a collegiate body that, after hearing reports by various organizations and discussion among the members, votes on various positions or resolutions and communicates them to the NRC Commissioners.

20C.

The panel has in the past met between two (2) and twelve (12) times per year. The frequency of meetings is dependent on the number of issues before the panel and perceived public interest. The frequency of meetings is sufficient to justify continuance of the panel for another year, during which key decisions and activities will take place to ready the facility for post-defueling monitored storage.

20D.

The principal purpose of the panel is to provide a formalized conduit to the NRC Commissioners informing them of the concerns of local citizens regarding actions being taken to cleanup a damaged nuclear powered electric generating facility on their community.

## INTERAGENCY REPORTS CONTROL NO.

INSTRUCTIONS: Complete one form for EACH committee existing any time during the fiscal year (10-01 to 9-30). For Item 6, List members directly on this form, or attach agency list containing requested data.

4. NAME, ORGANIZATIONAL TITLE, AND AGENCY ADDRESS OF DESIGNATED FEDERAL OFFICER:

5. TOTAL NUMBER OF ALL MEMBERS SERVING DURING FISCAL YEAR 10

(NOTE: Indicate chairperson(s) by placing an asterisk (\*) to the left of name.)

[illegible]

<b>ANNUAL REPORT</b>	<b>REVIEW OF FEDERAL ADVISORY COMMITTEE</b>	INTERAGENCY REPORTS CONTROL NO. <b>0304-GSA-XX</b>
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INSTRUCTIONS: Complete one form for EACH committee existing any time during the fiscal year (10-01 to 9-30). Cite ALL dates in numerals (Month, day, year). If additional space is necessary, use Section F, "Remarks" on the reverse.

1. DEPARTMENT OR AGENCY  U. S. Nuclear Regulatory Commission	2. FISCAL YEAR  1992
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3. COMMITTEE OR SUBCOMMITTEE (Full name as chartered)  
  
Licensing Support System Advisory Review Panel

SECTION A - COMMITTEE STATUS			
4. IS THIS COMMITTEE NEW DURING FISCAL YEAR?  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	5. CURRENT CHARTER DATE 12/18/91	6. EXPECTED RENEWAL DATE 12/18/93	7. EXPECTED TERMINATION DATE About 2005
8A. HAS THIS COMMITTEE BEEN TERMINATED DURING FISCAL YEAR? (If "YES", complete Items 8B and 8C)  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	8B. SPECIFIC TERMINATION AUTHORITY (If by law, cite U.S.C.)		8C. ACTUAL TERMINATION DATE
NOTE: If box 9B or 9C is checked, complete items 10A and 10B and provide a brief explanation in "Remarks".			
9. AGENCY RECOMMENDATION FOR COMMITTEE FOR NEXT FISCAL YEAR  <input checked="" type="checkbox"/> A. CONTINUE <input type="checkbox"/> B. MERGE <input type="checkbox"/> C. TERMINATE	10A. IS LEGISLATION REQUIRED TO MERGE OR TERMINATE?  <input type="checkbox"/> YES <input type="checkbox"/> NO	10B. IS SUCH LEGISLATION PENDING OR ENACTED?  <input type="checkbox"/> YES <input type="checkbox"/> NO	

SECTION B - COMMITTEE AUTHORITY AND TYPE			
11. ESTABLISHMENT AUTHORITY (Check ONLY one)  <input type="checkbox"/> A. SPECIFICALLY DIRECTED BY LAW <input type="checkbox"/> B. AUTHORIZED BY LAW <input checked="" type="checkbox"/> C. AGENCY AUTHORITY <input type="checkbox"/> D. PRESIDENTIAL DIRECTIVE			
12. SPECIFIC ESTABLISHMENT AUTHORITY (If by law, cite U.S.C.)  42 U.S.C. Sec 2201	13. EFFECTIVE DATE OF AUTHORITY 10/3/89	14. COMMITTEE TYPE (Check EITHER A or B, and C, if appropriate)  <input type="checkbox"/> A. AD HOC <input checked="" type="checkbox"/> B. CONTINUING <input type="checkbox"/> C. PRESIDENTIAL	
15. DESCRIPTION OF COMMITTEE (Check ONLY one)  <input type="checkbox"/> A. NATIONAL POLICY/ISSUE ADVISORY <input checked="" type="checkbox"/> B. NON-SCIENTIFIC PROGRAM ADVISORY <input type="checkbox"/> C. SCIENTIFIC/TECHNICAL PROGRAM ADVISORY <input type="checkbox"/> D. GRANT REVIEW <input type="checkbox"/> E. REGULATORY NEGOTIATION <input type="checkbox"/> F. OTHER (Specify)			

SECTION C - COMMITTEE ACTIVITY DURING FISCAL YEAR				
16A. TOTAL NUMBER OF REPORTS  0		16B. LIST REPORT TITLES AND DATES (Month, day)  NONE		
17. NUMBER OF MEETINGS				E. DATES OF ALL MEETINGS (Month, day)  N/A
A. OPEN  0	B. CLOSED  0	C. PARTIALLY CLOSED  0	D. TOTAL (A + B + C)  0	
				F. DATES OF OTHER ACTIVITIES (Describe in "Remarks")  N/A

SECTION D - COMMITTEE COST			
NOTE: Express costs in whole dollars. (DO NOT use decimals, K, M, N/A, or leave blank, indicate "0", if applicable).			
18. DESCRIPTION	CURRENT FISCAL YEAR (Actual)	NEXT FISCAL YEAR (Estimate)	
A. PERSONNEL PAYMENTS	(1) NON-FEDERAL MEMBERS	\$ 0	\$ 0
	(2) FEDERAL MEMBERS (Prorated salary)	500	5,000
	(3) FEDERAL STAFF (Prorated salary)	2,464	10,000
	(4) NONMEMBER CONSULTANTS	0	0
B. TRAVEL AND PER DIEM	(1) NON-FEDERAL MEMBERS	0	2,100
	(2) FEDERAL MEMBERS	0	5,600
	(3) FEDERAL STAFF	0	1,400
	(4) NONMEMBER CONSULTANTS	0	0
C. OTHER (rents, user charges, graphics, printing, mailing, etc.)	100	4,300	
<b>D. TOTAL</b>	<b>\$ 3,064</b>	<b>\$ 28,400</b>	
19. FEDERAL STAFF SUPPORT YEARS  EXPRESS IN FULL-TIME EQUIVALENT (FTE) YEARS USING DECIMAL TO THE NEAREST TENTH (e.g. 0.0). (FIGURE SHOULD CORRESPOND TO DOLLAR COST IN ITEM 18A(3), ABOVE)		0.05	0.2



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**SECTION E – COMMITTEE ACCOMPLISHMENTS AND JUSTIFICATION**

(Complete this section ONLY for committees where items 4 "NO", 8A "NO", and 9A "Continue" are checked)

20A. DESCRIBE HOW THE COMMITTEE ACCOMPLISHES ITS PURPOSE BY SHOWING THE EFFECT OF COMMITTEE REPORTS, ADVICE, OR RECOMMENDATIONS ON AGENCY OPERATIONS. BE AS SPECIFIC AS POSSIBLE AND INCLUDE WORKLOAD INDICATORS AS APPROPRIATE.

20B. DESCRIBE THE BALANCE OF MEMBERSHIP IN TERMS OF POINTS OF VIEW REPRESENTED AND FUNCTIONS PERFORMED.

20C. DESCRIBE THE FREQUENCY OF MEETINGS AND THE RELEVANCE TO CONTINUING THE COMMITTEE.

20D. EXPLAIN WHY THE ADVICE OR INFORMATION CANNOT BE OBTAINED FROM OTHER SOURCES.

20E. IF APPLICABLE, EXPLAIN WHY IT WAS NECESSARY TO CLOSE AND/OR PARTIALLY CLOSE COMMITTEE MEETINGS.

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**SECTION F – REMARKS**

21. REMARKS



## Section E

20A. Describe how the committee accomplishes its purpose by showing the effect of committee reports, advice, or recommendations on agency operations.

The Panel was established to provide advice to (1) the Department of Energy on the fundamental issues of design and development of an electronic information management system known as the LSS, and (2) the NRC on the operation and maintenance of the LSS. The LSS will store and retrieve records and documents relating to the licensing of a geologic repository for the disposal of high-level radioactive waste (HLW). Its purpose is to assist the parties in the licensing proceeding by providing a vehicle for early document discovery, comprehensive and early technical review of millions of pages of relevant licensing material, earlier submission of better focused contentions, and the electronic transmission of all filings during the hearing. The Panel's recommendations on document header requirements have been incorporated into guidance under preparation by the LSSA for use by future LSS participants in processing documents for submission. Also, Panel comments have been received and reviewed by the NRC for inclusion in the Regulatory Guide on topical guidelines for identifying the documentary material that should be submitted for entry into the LSS.

20B. Describe the balance of membership in terms of points of view represented and functions performed.

The Panel is composed of representatives of the potential participants in NRC's future licensing proceeding for a HLW repository. Congress has mandated that DOE characterize a potential site for the repository within the State of Nevada in the mountain formation known as Yucca Mountain. Representation is, therefore, drawn from the State of Nevada and from two coalitions of governmental entities located in the immediate site areas and in the counties adjacent to the Yucca Mountain site area. Other potentially affected parties are also represented: the National Congress of American Indians, a coalition of nuclear industry groups, and the Department of Energy (the potential licensee). National environmental groups were invited to participate but declined. NRC is represented on the Panel, and its member serves as Chairman. As participants in the proceeding, these organizations will utilize the LSS for review of pertinent and relevant documents before and during the proceeding itself. As future users of the system, they are best equipped to advise on the design, development, and operation of the LSS. Review of LSS-related issues by the representatives of organizations that will be significantly affected by the LSS is critical to its successful implementation.

Representatives of other Federal agencies with significant experience developing automated information management systems serve on the Panel to provide their expertise on specific design, procurement, and operational issues.

20C. Describe the frequency of meetings and the relevance to continuing the committee.

The Panel did not meet during FY 1992, but plans to meet approximately three times in FY 1993. There were no meetings in FY 1992 because the NRC is looking at alternative approaches to design, install, operate and maintain the LSS in a more workable and cost-effective manner. When a recommended approach is reached, a meeting of the Panel will be convened to discuss and receive members' comments on the proposal. In the future, the number of meetings will increase as activities related to development of the LSS escalate necessitating increased advice from the Panel. Near-term issues to be addressed by the Panel include document loading priorities, procedures for granting access to the system, and capture of non-documentary information.

20D. Explain why the advice or information cannot be obtained from other sources.

The Panel is comprised of the potential users of the LSS. The Commission believes that the review of LSS development issues by representatives of those organizations that will be significantly affected by the LSS is critical to its successful implementation. As other potential users are identified, they will be invited to participate. Federal agencies with substantial expertise and experience in electronic information management systems also participate on the Panel. There are no other sources which can bring the direct user perspective to bear on this unique automated licensing support system.

## ANNUAL ADVISORY COMMITTEE MEMBERSHIP LIST

INTERAGENCY REPORTS CONTROL NO.  
0304-GSA-XX

INSTRUCTIONS: Complete one form for EACH committee existing any time during the fiscal year (10-01 to 9-30).  
For Item 6, List members directly on this form, or attach agency list containing requested data.

1. DEPARTMENT OR AGENCY	2. COMMITTEE OR SUBCOMMITTEE (Full name, as chartered)	3. FISCAL YEAR
NRC	Licensing Support System Advisory Review Panel	1992

## 4. NAME, ORGANIZATIONAL TITLE, AND AGENCY ADDRESS OF DESIGNATED FEDERAL OFFICER:

John C. Hoyle  
Assistant Secretary of the Commission  
U.S. Nuclear Regulatory Commission  
Washington, D. C. 20555

5. TOTAL NUMBER OF ALL MEMBERS SERVING DURING FISCAL YEAR 23

6. LIST OF MEMBERS SERVING DURING FISCAL YEAR  
(NOTE: Indicate chairperson(s) by placing an asterisk (\*) to the left of name.)

MEMBER NAME	OCCUPATION (OR AFFILIATION)
*Hoyle, John C.	US Nuclear Regulatory Commission
Cerny, Barbara	US Department of Energy
Macaluso, Corinne	US Department of Energy
Swainston, Harry	State of Nevada
Balcom, Kirk	State of Nevada, Alternate
Metoxen, Loretta	Oneida Tribal Officer, NCAI
Bechtel, Dennis	Clark County, NV
Smith, Lenard	Lincoln County, NV
Cummings, Peter	City of Las Vegas, NV
Lampros, John	White Pine County, NV
Goichoechea, Pete J.	Eureka County, NV
Lessard, Anthony	Mineral County, NV
Regan, James	Churchill County, NV
Elquist, Bill	Lander County, NV
Murphy, Malachy	Nye County, NV
Bradhurst, Steve	Nye County, NV
Holstein, Elgie	Nye County, NV
Kraft, Steven	Edison Electric Institute
Silberg, Jay	Attorney - Industry Coalition
Henkel, Christopher	Edison Electric Institute

(over)

MEMBER NAME

OCCUPATION OR AFFILIATION

Killar, Felix

US Council for Energy Awareness

Alexander, Boyd

US Patent and Trademark Office

Copenhafer, David

US Securities and Exchange Commission

<b>ANNUAL REPORT</b>	<b>REVIEW OF FEDERAL ADVISORY COMMITTEE</b>	INTERAGENCY REPORTS CONTROL NO. <b>0304-GSA-XX</b>
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INSTRUCTIONS: Complete one form for EACH committee existing any time during the fiscal year (10-01 to 9-30). Cite ALL dates in numerals (Month, day, year). If additional space is necessary, use Section F, "Remarks" on the reverse.

1. DEPARTMENT OR AGENCY  Nuclear Regulatory Commission	2. FISCAL YEAR  FY92
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3. COMMITTEE OR SUBCOMMITTEE (Full name as chartered)  
  
Nuclear Safety Research Review Committee

SECTION A - COMMITTEE STATUS			
4. IS THIS COMMITTEE NEW DURING FISCAL YEAR?  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	5. CURRENT CHARTER DATE  2/92	6. EXPECTED RENEWAL DATE  2/94	7. EXPECTED TERMINATION DATE  N/A
8A. HAS THIS COMMITTEE BEEN TERMINATED DURING FISCAL YEAR? (If "YES", complete items 8B and 8C)  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	8B. SPECIFIC TERMINATION AUTHORITY (If by law, cite U.S.C.)  N/A		8C. ACTUAL TERMINATION DATE  N/A

NOTE: If box 9B or 9C is checked, complete items 10A and 10B and provide a brief explanation in "Remarks".

9. AGENCY RECOMMENDATION FOR COMMITTEE FOR NEXT FISCAL YEAR  <input checked="" type="checkbox"/> A. CONTINUE <input type="checkbox"/> B. MERGE <input type="checkbox"/> C. TERMINATE	10A. IS LEGISLATION REQUIRED TO MERGE OR TERMINATE?  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	10B. IS SUCH LEGISLATION PENDING OR ENACTED?  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
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SECTION B - COMMITTEE AUTHORITY AND TYPE			
11. ESTABLISHMENT AUTHORITY (Check ONLY one)  <input type="checkbox"/> A. SPECIFICALLY DIRECTED BY LAW <input type="checkbox"/> B. AUTHORIZED BY LAW <input checked="" type="checkbox"/> C. AGENCY AUTHORITY <input type="checkbox"/> D. PRESIDENTIAL DIRECTIVE			
12. SPECIFIC ESTABLISHMENT AUTHORITY (If by law, cite U.S.C.)  42 U.S.C. Sec 2201	13. EFFECTIVE DATE OF AUTHORITY  2/9/88	14. COMMITTEE TYPE (Check EITHER A or B, and C, if appropriate)  <input type="checkbox"/> A. AD HOC <input checked="" type="checkbox"/> B. CONTINUING <input type="checkbox"/> C. PRESIDENTIAL	
15. DESCRIPTION OF COMMITTEE (Check ONLY one)  <input type="checkbox"/> A. NATIONAL POLICY/ISSUE ADVISORY <input type="checkbox"/> B. NON-SCIENTIFIC PROGRAM ADVISORY <input checked="" type="checkbox"/> C. SCIENTIFIC/TECHNICAL PROGRAM ADVISORY <input type="checkbox"/> D. GRANT REVIEW <input type="checkbox"/> E. REGULATORY NEGOTIATION <input type="checkbox"/> F. OTHER (Specify)			

SECTION C - COMMITTEE ACTIVITY DURING FISCAL YEAR				
16A. TOTAL NUMBER OF REPORTS  1	16B. LIST REPORT TITLES AND DATES (Month, day) Letter from D. Morrison, Chairman, NSRRC, to E. Beckjord, Director, RES: "Topics Presented to the Nuclear Safety Research Review Committee, Rockville, Maryland, 25 and 26 November 1991," 2/24.			
17. NUMBER OF MEETINGS				E. DATES OF ALL MEETINGS (Month, day) November 25-26, 1991 April 29-30, 1992
A. OPEN  2	B. CLOSED  0	C. PARTIALLY CLOSED  0	D. TOTAL (A + B + C)  2	
F. DATES OF OTHER ACTIVITIES (Describe in "Remarks")				

SECTION D - COMMITTEE COST			
NOTE: Express costs in whole dollars. (DO NOT use decimals, K, M, N/A, or leave blank, indicate "0", if applicable).			
18. DESCRIPTION		CURRENT FISCAL YEAR (Actual)	NEXT FISCAL YEAR (Estimate)
A. PERSONNEL PAYMENTS	(1) NON-FEDERAL MEMBERS	\$ 31,608	\$ 36,000
	(2) FEDERAL MEMBERS (Prorated salary)	0	0
	(3) FEDERAL STAFF (Prorated salary)	40,000	45,000
	(4) NONMEMBER CONSULTANTS	0	0
B. TRAVEL AND PER DIEM	(1) NON-FEDERAL MEMBERS	24,281	28,000
	(2) FEDERAL MEMBERS	0	0
	(3) FEDERAL STAFF	40	60
	(4) NONMEMBER CONSULTANTS	0	0
C. OTHER (rents, user charges, graphics, printing, mailing, etc.)		2,325	3,000
D. TOTAL		\$ 98,254	\$ 112,060
19. FEDERAL STAFF SUPPORT YEARS  EXPRESS IN FULL-TIME EQUIVALENT (FTE) YEARS USING DECIMAL TO THE NEAREST TENTH (e.g. 0.0). (FIGURE SHOULD CORRESPOND TO DOLLAR COST IN ITEM 18A(3), ABOVE)		0.7	0.8



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**SECTION E - COMMITTEE ACCOMPLISHMENTS AND JUSTIFICATION**

(Complete this section ONLY for committees where items 4 "NO", 8A "NO", and 9A "Continue" are checked)

20A. DESCRIBE HOW THE COMMITTEE ACCOMPLISHES ITS PURPOSE BY SHOWING THE EFFECT OF COMMITTEE REPORTS, ADVICE, OR RECOMMENDATIONS ON AGENCY OPERATIONS. BE AS SPECIFIC AS POSSIBLE AND INCLUDE WORKLOAD INDICATORS AS APPROPRIATE.

The report on the 11/25-26 meeting provided comments on the general approach and distribution of emphasis of the equipment aging research program and the research program concerning high-level waste disposal. The NSRRC comments were taken into account by the Director, Office of Nuclear Regulatory Research (RES), in the further conduct of these programs. The Committee's report and the response of the Director, RES, were provided to the Commission.

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20B. DESCRIBE THE BALANCE OF MEMBERSHIP IN TERMS OF POINTS OF VIEW REPRESENTED AND FUNCTIONS PERFORMED.

The twelve members of the Committee represent the range of key technical disciplines and specialties involved in NRC's research mission, including reactors, nuclear waste; nuclear engineering, thermal-hydraulics, mechanical components, structures, earth sciences, nuclear plant operation, human factors. They have experience and accomplishments in conduct and management of research in universities, industry, and research institutions. This range of expertise and views is applied to development of advice to the Director, RES, and through him to the Commission on matters of overall management importance in the direction of NRC's program of nuclear safety research.

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20C. DESCRIBE THE FREQUENCY OF MEETINGS AND THE RELEVANCE TO CONTINUING THE COMMITTEE.

Approximately two meetings per year. Nuclear regulatory research is a continuing essential and integral function of the NRC, as mandated by statute. The NSRRC's independent review is needed as a continuing contribution to assuring appropriate and effective response of the NRC's research efforts to evolving regulatory needs.

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20D. EXPLAIN WHY THE ADVICE OR INFORMATION CANNOT BE OBTAINED FROM OTHER SOURCES.

The independence, high professional caliber, and range of disciplines and viewpoints required of the broad advice sought must be drawn from a group constituted as the NSRRC is. (see item 20B). There are no other sources from which this broad range of viewpoints and expert advice can be sought.

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20E. IF APPLICABLE, EXPLAIN WHY IT WAS NECESSARY TO CLOSE AND/OR PARTIALLY CLOSE COMMITTEE MEETINGS.

No closed or partly closed meetings.

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**SECTION F - REMARKS**

21. REMARKS

## ANNUAL ADVISORY COMMITTEE MEMBERSHIP LIST

INTERAGENCY REPORTS CONTROL NO.

0304-GSA-XX

INSTRUCTIONS: Complete one form for EACH committee existing any time during the fiscal year (10-01 to 9-30).  
For Item 6, List members directly on this form, or attach agency list containing requested data.

1. DEPARTMENT OR AGENCY NRC	2. COMMITTEE OR SUBCOMMITTEE (Full name, as chartered) Nuclear Safety Research Review Committee	3. FISCAL YEAR 1992
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4. NAME, ORGANIZATIONAL TITLE, AND AGENCY ADDRESS OF DESIGNATED FEDERAL OFFICER:

George Sege  
Technical Assistant to the Director  
Office of Nuclear Regulatory Research  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

5. TOTAL NUMBER OF ALL MEMBERS SERVING DURING FISCAL YEAR 12

## 6. LIST OF MEMBERS SERVING DURING FISCAL YEAR

(NOTE: Indicate chairperson(s) by placing an asterisk (\*) to the left of name.)

MEMBER NAME	OCCUPATION (OR AFFILIATION)
*Morrison, Dr. David L. (Chair)	Technical Director, Energy, Resource, and Environmental Systems Div., MITRE Corp.
Burstein, Mr. Sol	Vice Chairman, Wisconsin Elec. Pwr., (Retired)
Boulette, Dr. E. Thomas	Vice-Pres., Nuclear Operations and Station Director, Pilgrim Station, Boston Edison Co.
Bush, Dr. Spencer H.	Review & Synthesis Associates
Isbin, Dr. Herbert S.	Professor Emeritus, U. of Minnesota
Kintner, Mr. Edwin E.	Executive V.P., GPU Nuclear Corp. (Retired)
Molz III, Prof. Fred	Professor, Civil Engineering, Auburn University
Todreas, Prof. Neil E.	Professor, Nuclear Engineering, MIT
Turcotte, Prof. Donald L.	Professor of Engineering, Cornell University
Uhrig, Prof. Robert E.	Distinguished Professor of Engineering, Dept. of Nuclear Eng., U. of Tennessee
Vogel, Dr. Richard C.	Sr. Scientific Advisor, EPRI (Retired)
Woods, Prof. David D.	Professor, Industrial and Systems Engineering, Ohio State University