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

OFFICE OF THE
SECRETARY

November 16, 1989

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-1989.

Your records should reflect that the NRC's Advisory Committee Management Officer is:

John C. Hoyle
Assistant Secretary
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555
Telephone: (301) 492-0599

If clarification of the attached report information is necessary, please call Mr. Hoyle or Mr. Bates on 492-1963.

Enclosures:

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

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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 U.S. Nuclear Regulatory Commission	2. TOTAL NUMBER OF ALL COMMITTEES 7	3. FISCAL YEAR 1989
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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	1		
8A.	TERMINATED "YES"	NUMBER OF TERMINATED COMMITTEES	1		
11.	COMMITTEE AUTHORITY	A. DIRECTED BY LAW	1		
		B. AUTHORIZED BY LAW			
		C. AGENCY AUTHORITY	6		
		D. PRESIDENTIAL DIRECTIVE			
14.	COMMITTEE TYPE	A. AD HOC	2		
		B. CONTINUING	5		
		C. PRESIDENTIAL			
15.	COMMITTEE DESCRIPTION	A. NATIONAL POLICY/ISSUE			
		B. NON-SCIENTIFIC			
		C. SCIENTIFIC/TECHNICAL	6		
		D. GRANT REVIEW			
		E. REGULATORY NEGOTIATION	1		
		F. OTHER			
16A.	REPORTS	NUMBER OF REPORTS	65		
17.	MEETINGS	A. OPEN	70		
		B. CLOSED	5		
		C. PARTIALLY CLOSED	17		
		D. TOTAL	157		
18.	COMMITTEE COST	DATA ELEMENTS		CURRENT ACTUAL	NEXT ESTIMATE
		A. PERSONNEL PAYMENTS			
		(1) NON-FEDERAL MEMBERS		\$ 367,660	\$ 458,843
		(2) FEDERAL MEMBERS		\$ 5,739	\$ 5,739
		(3) FEDERAL STAFF		\$1,662,521	\$ 1,767,570
		(4) NON-MEMBER CONSULTANTS		\$ 82,090	\$ 141,683
		B. TOTAL TRAVEL AND PER DIEM		\$ 320,449	\$ 391,370
C. OTHER		\$ 338,080	\$ 428,900		
D. TOTAL		\$2,776,539	\$ 3,194,105		
19.	FEDERAL STAFF SUPPORT YEARS	TOTAL FTE YEARS	30 . 3	31 . 1	

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 71	NUMBER OF MEMBERS 69	

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. See attached list

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. See attached list

SECTION D - CERTIFICATION

SPONSORING OFFICIAL OR DESIGNATED FEDERAL OFFICER TITLE: NAME:	SIGNATURE	DATE
COMMITTEE MANAGEMENT OFFICER TITLE: NAME:	SIGNATURE	DATE
OTHER CONCURRING AGENCY OFFICIAL TITLE: NAME:	SIGNATURE	DATE

Department or Agency: NRC

Section C

1. Occupational Groups: Total Number of Members by Occupational Code

<u>Code</u>	<u>No. of Members</u>
5	27
6	1
7	2
8	12
10	2
12	9
13	1
14	4
17	13

Department or Agency: NRC

Section C

2. Industry Groups: Total Number of Members by
Industry Code

<u>Code</u>	<u>No. of Members</u>
1	6
2	31
3	22
4	5
5	7

ANNUAL REPORT

REVIEW OF FEDERAL ADVISORY COMMITTEE

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). 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

1989

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?

 YES NO5. CURRENT CHARTER DATE
DATE

12/23/88

6. EXPECTED RENEWAL
DATE

12/23/90

7. EXPECTED TERMINATION DATE

NA

8A. HAS THIS COMMITTEE BEEN TERMINATED DURING FISCAL YEAR? (If "YES", complete items 8B and 8C)

 YES NO

8B. SPECIFIC TERMINATION AUTHORITY (If by law, cite U.S.C.)

8C. ACTUAL TERMINATION DATE

NOTE: If box 8B or 8C is checked, complete items 10A and 10B and provide a brief explanation in "Remarks".

9. AGENCY RECOMMENDATION FOR COMMITTEE FOR NEXT FISCAL YEAR

 A. CONTINUE B. MERGE C. TERMINATE

10A. IS LEGISLATION REQUIRED TO MERGE OR TERMINATE?

 YES NO

10B. IS SUCH LEGISLATION PENDING OR ENACTED?

 YES NO

SECTION B - COMMITTEE AUTHORITY AND TYPE

11. ESTABLISHMENT AUTHORITY (Check ONLY one)

 A. SPECIFICALLY DIRECTED BY LAW B. AUTHORIZED BY LAW C. AGENCY AUTHORITY 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)

 A. AD HOC B. CONTINUING C. PRESIDENTIAL

15. DESCRIPTION OF COMMITTEE (Check ONLY one)

 A. NATIONAL POLICY/ISSUE ADVISORY B. NON-SCIENTIFIC PROGRAM ADVISORY C. SCIENTIFIC/TECHNICAL PROGRAM ADVISORY D. GRANT REVIEW E. REGULATORY NEGOTIATION F. OTHER (Specify)

SECTION C - COMMITTEE ACTIVITY DURING FISCAL YEAR

16A. TOTAL NUMBER OF REPORTS

47

16B. LIST REPORT TITLES AND DATES (Month, day)

SEE ATTACHED

17. NUMBER OF MEETINGS

A. OPEN B. CLOSED C. PARTIALLY CLOSED D. TOTAL (A + B + C)

52

5

13

70

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	\$ 316,948	\$ 367,625
	(2) FEDERAL MEMBERS (Prorated salary)	-	-
	(3) FEDERAL STAFF (Prorated salary)	1,353,763	1,425,303
	(4) NONMEMBER CONSULTANTS	41,217	101,683
B. TRAVEL AND PER DIEM	(1) NON-FEDERAL MEMBERS	155,873	190,350
	(2) FEDERAL MEMBERS	-	-
	(3) FEDERAL STAFF	9,150	9,400
	(4) NONMEMBER CONSULTANTS	27,118	35,250
C. OTHER (rents, user charges, graphics, printing, mailing, etc.)		278,956	350,000
D. TOTAL		\$ 2,183,025	\$ 2,479,611
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.)		24.96	25.00

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
Advisory Committee on Reactor Safeguards

SECTION C
16B.

<u>Report Title</u>	<u>Date</u>
ACRS Action on the Proposed Amendment of 10 CFR 50, Appendix J, "Primary Containment Leakage Testing for Water-Cooled Power Reactors"	10/11
Preapplication Safety Evaluation Report for the Modular High-Temperature Gas Cooled Reactor	10/13
Licensing of all Chemical Isotope Enrichment, Inc. Facilities	10/13
Safety Evaluation Report for the "Power Reactor Inherently Safe Module" (PRISM) Design	11/22
ACRS Action on Proposed Regulatory Guide 1.9, Revision 3, "Selection, Design, Qualification, Testing, and Reliability of Diesel Generator Units as Onsite Electric Power Systems at Nuclear Power Plants"	11/22
ACRS Action on Proposed Regulatory Guide, Task No. EE-006-5, "Qualification of Safety-Related Lead Storage Batteries for Nuclear Power Plants"	11/22
Equipment Qualification-Risk Scoping Study	12/20
Proposed Experimental Program on B&W Once-Through Steam Generator Thermal-Hydraulic Performance	12/20
Code Scaling, Applicability, and Uncertainty (CSAU) Methodology for Determination of Uncertainty Associated with the Use of Realistic ECCS Evaluation Models	01/19
Draft Final Rule on Standardization and Licensing Reform, 10 CFR Part 52, "Early Site Permits; Standard Design Certifications; and Combined Licenses for Nuclear Power Plants"	01/19
Safety Evaluation Report for the Sodium Advanced Fast Reactor (SAFR) Design	01/19
Resolution of Generic Issue 43, "Air Systems Reliability"	01/19
Mark I Containment Performance Improvement Program	01/19
NUREG-1150: Resolution of ACRS Comments	01/23
Final Rule on Standardization and Licensing Reform 10 CFR Part 52, "Early Site Permits; Standard Design Certifications; and Combined Licenses for Nuclear Power Plants"	02/15

<u>Report Title</u>	<u>Date</u>
Further ACRS Comments on Implementation of the Safety Goal Policy	02/16
Further ACRS Comment on Proposed Resolution of Generic Issue 99, "Improved Reliability of RHR Capability in PWRs"	02/16
Proposed Resolution of Generic Issues 70, "Power Operated Relief Valve and Block Valve Reliability," and 94, "Additional Low-Temperature Overpressure Protection for LWRs"	02/16
Safety Research Report to Congress	02/17
Review of the Peach Bottom Atomic Power Station Restart	03/14
Additional Applications of Leak-Before-Break Technology	03/14
Containment Design Criteria	03/15
Proposed Severe Accident Research Program Plan	03/15
Proposed Resolution of Generic Issue 101, "BWR Water Level Redundancy"	04/11
Proposed Final Resolution of Generic Safety Issue 103, "Design for Probable Maximum Precipitation"	04/11
Proposed Amendment to 10 CFR 50.61, "Fracture Toughness Requirements for Protection Against Pressurized Thermal Shock Events"	04/11
Proposed Resolution of Generic Issue 115, "Enhancement of Reliability of Westinghouse Solid State Protection Systems"	04/11
Proposed Resolution of Generic Issue 82, "Beyond Design Basis Accidents in Spent Fuel Pools"	04/11
Proposed Final Rulemaking Related to Maintenance of Nuclear Power Plants	04/11
Generic Letter Related to Occupational Exposure of Skin From Hot Particles	05/09
Generic Letter on Safety-Related Motor-Operated Valve Testing and Surveillance	05/09
NUREG-1150, "Severe Accident Risks: An Assessment for Five U.S. Nuclear Power Plants"	05/09
NRC's Human Factors Programs and Initiatives	05/09
Operating License Application for Limerick Generating Station, Unit 2	05/11

<u>Report Title</u>	<u>Date</u>
USI A-17, "Systems Interactions in Nuclear Power Plants"	06/13
Proposed Generic Letter Regarding Service Water System Problems Affecting Safety-Related Equipment	06/14
Boiling Water Reactor Core Power Stability	06/14
Reliability and Diversity	06/14
Proposed Resolution of Generic Issue 128, "Electrical Power Reliability"	06/14
NRC Thermal-Hydraulic Research Program	06/15
Proposed Commission Policy Statement on Education for Senior Operators and Shift Supervisors at Nuclear Power Plants	06/15
Proposed Staff Actions Regarding the Fire Risk Scoping Study (NUREG/CR-5088)	07/18
Proposed Resolution of Unresolved Safety Issue A-40, "Seismic Design Criteria"	07/18
Proposed Resolution of Generic Issue 79, Unanalyzed Reactor Vessel (PWR) Thermal Stress During Natural Convection Cooldown	08/15
Electric Power Research Institute Advanced Light Water Reactor Requirements Document	09/12
Proposed Resolution of Generic Issue A-29, "Nuclear Power Plant Design for Reduction of Vulnerability to Industrial Sabotage"	09/12
Emergency Plan for Full-Power Operation of the Seabrook Station, Unit 1	09/13

17E. DATES OF ALL MEETINGS

Full Committee Meetings

10/06-07	02/09-11	06/08-10
11/17-18	03/09-11	07/13-14
12/15-16	04/06-08	08/10-11
01/12-14	05/03-06	09/07-09

(Continued)

SECTION C
17E. DATES OF ALL MEETINGS (continued)

Subcommittee Meetings

10/4		06/07	(2)
10/5		06/20	
10/26-27		06/21	
11/15-16		06/22	
12/06		07/12	(2)
12/07		08/09	(2)
12/12		08/17	
12/13		08/29-30	
12/14		09/06	
01/05-06		09/12	
01/10		09/19	
01/11	(2)	09/20	
01/26		09/26	
01/27		09/27	
02/08	(2)	09/28	
02/28			
03/01-02			
03/07	(2)		
03/08			
03/15-16			
03/23			
03/29	(2)		
03/30			
04/05			
04/11-12			
04/18			
04/19			
04/20			
04/21			
04/25			
04/27			
05/03	(2)		
05/10-11			
05/23			
05/24			

SECTION E
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 also 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, the Committee will review any matter related to the safety of nuclear facilities specifically requested by the Department of Energy (DOE). 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 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, electrical engineering, chemical engineering, civil engineering, materials engineering, mechanical engineering, nuclear engineering, reactor design, heat transfer and fluid flow, thermodynamics, reactor physics, and probabilistic analysis.

During fiscal year 1989, the Committee completed its annual report to Congress on the overall NRC Safety Research Program and other closely related matters and reported to the Commission on the following specific areas:

- Containment Structural Integrity
- Equipment Qualification-Risk Scoping Study
- Embrittlement of Reactor Pressure Vessel Supports
- Fire Risk Scoping Study
- Human Factors Research Program Plan
- Individual Plant Examination Program
- Inservice Inspection of Boiling Water Reactor Pressure Vessels
- Integration Plan for Closure of Severe Accident Issues
- Piping Integrity
- Safety Goal Policy Implementation Plan
- Severe Accident Management
- Thermal-Hydraulic Phenomena

The Committee's activities during this period included reports on the licensing of the ALChemIE isotope enrichment facility, the Power Reactor Inherently Safe Module (PRISM) design, the Sodium Advanced Fast Reactor (SAFR) design, the Electric Power Research Institute (EPRI) advanced light-water reactor requirements document, the Modular High-Temperature Gas Cooled Reactor, the Peach Bottom Atomic Power Station restart, the operating license application for the Limerick Generating Station, and full-power operation of the Seabrook Station.

The Committee also provided special topical reports to the NRC and others on a variety of issues, including:

- Experimental Program on B&W Steam Generators
- NUREG-1150-Severe Accident Risks: An Assessment for Five U.S. Nuclear Power Plants
- Implementation of the Safety Goal Policy
- Leak-Before-Break Technology
- NRC's Severe Accident Research Program Plan
- NRC's Human Factors Programs and Initiatives
- Boiling Water Reactor Core Power Stability
- Reliability and Diversity
- NRC's Thermal-Hydraulic Research Program
- Fire Risk Scoping Study

In addition, the Committee provided advice to the NRC on proposed rules, criteria, and regulatory guides, including:

- Proposed Amendment of 10 CFR 50, Appendix J, "Primary Containment Leakage Testing for Water-Cooled Power Reactors"
- Proposed Regulatory Guide 1.9, Revision 3, "Selection, Design, Qualification, Testing, and Reliability of Diesel Generator Units as Onsite Electric Power Systems at Nuclear Power Plants"
- Proposed Regulatory Guide, Task No. EE-006-5, "Qualification of Safety-Related Lead Storage Batteries for Nuclear Power Plants"
- Draft Final Rule on Standardization and Licensing Reform, 10 CFR Part 52, "Early Site Permits; Standard Design Certifications; and Combined Licenses for Nuclear Power Plants"
- Resolution of Generic Issue 43, "Air Systems Reliability"
- Proposed Resolution of Generic Issue 99, "Improved Reliability of RHR Capability in PWRs"
- Proposed Resolution of Generic Issues 70, "Power Operated Relief Valve and Block Valve Reliability," and 94, "Additional Low-Temperature Overpressure Protection for LWRs"
- Proposed Resolution of Generic Issue 101, "BWR Water Level Redundancy"
- Proposed Final Resolution of Generic Safety Issue 103, "Design for Probable Maximum Precipitation"

- Proposed Amendment to 10 CFR 50.61, "Fracture Toughness Requirements for Protection Against Pressurized Thermal Shock Events"
- Proposed Resolution of Generic Issue 115, "Enhancement of Reliability of Westinghouse Solid State Protection Systems"
- Proposed Resolution of Generic Issue 82, "Beyond Design Basis Accidents in Spent Fuel Pools"
- Proposed Final Rulemaking Related to Maintenance of Nuclear Power Plants
- Generic Letter Related to Occupational Exposure of Skin From Hot Particles
- Generic Letter on Safety-Related Motor-Operated Valve Testing and Surveillance
- USI A-17, "Systems Interactions in Nuclear Power Plants"
- Proposed Generic Letter Regarding Service Water System Problems Affecting Safety-Related Equipment
- Proposed Resolution of Unresolved Safety Issue A-40, "Seismic Design Criteria"
- Proposed Resolution of Generic Issue 79, Unanalyzed Reactor Vessel (PWR) Thermal Stress During Natural Convection Cooldown
- Proposed Resolution of Generic Issue A-29, "Nuclear Power Plant Design for Reduction of Vulnerability to Industrial Sabotage"

In performing the reviews and preparing the reports cited above, the ACRS held 12 full Committee meetings and 58 subcommittee meetings and met with the Commission on 2 occasions to provide direct advice and discussion of the issues in the reports 20B. noted above.

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 1989, the Committee included six members from academic institutions with nuclear and nonnuclear backgrounds and four members who have retired from active employment with nuclear backgrounds. 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 a concentration within the Committee of scientific and engineering proficiency, together with a diversity of viewpoints and perspectives, which provides assurance that adequate, independent open discussion and analysis of the potential hazards of nuclear reactors and the adequacy of safety standards can take place.

During FY 1989, the membership included those experienced in reactor operations, nuclear reactor systems, electrical engineering, chemical engineering, civil engineering, materials engineering, mechanical engineering, nuclear engineering, reactor design, heat transfer and fluid flow, thermodynamics, reactor physics, and probabilistic analysis.

To provide for public involvement in the nominating process for ACRS members, the NRC issues public announcements soliciting nominees to maintain a list of candidates for appointment of members when vacancies arise. 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 non-nuclear fields necessary to carry out the Committee's statutory requirements.

20C.

The ACRS and its subcommittees held 70 meetings during FY 1989. The number of meetings held is directly related to the number of reactor projects referred by the Nuclear Regulatory Commission to the Committee for review; the number of generic issues which arose during the year; the number of criteria and guides referred to the Committee for review and comment; the number of DOE and DOD reactor projects referred; 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 requirements of the statute which 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.^{1/} The Commission necessarily has its own

^{1/} The Kemeny Commission recommended that the Committee members continue as part-time appointees and stated their belief that the independence and high quality of the members might be compromised by making them full-time Federal employees.

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 which 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 which 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.

20E.

During this period, the Committee held 12 full Committee meetings. Portions of these meetings were closed and time spent in closed sessions occupied approximately 7 hours.

Approximately 1 hour of the closed sessions involved discussion of safety-related information which was classified, proprietary, or was related to detailed plant security arrangements. The other 6 hours of closed sessions involved discussions of internal agency management and personnel practices, including information the release of which would have constituted a clearly unwarranted invasion of personal privacy if made public.

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	Advisory Committee on Reactor Safeguards	1989

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

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

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

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)
Carroll, James C. Mr.	Retired Manager, Nuclear Operations Support Dept Pacific Gas & Electric
Catton, Ivan Dr.	Professor of Engineering, Dept. of Mechanical, Aerospace and Nuclear Engineering, UCLA
Kerr, William Dr.	Professor of Nuclear Engineering University of Michigan
Lewis, Harold W. Dr.	Professor of Physics, Department of Physics University of California
Michelson, Carlyle Mr.	Retired Director, Office for Analysis and Evaluation of Operational Data, USNRC
*Remick, Forrest J. Dr.	Associate Vice-President for Research and Profes of Nuclear Engineering, Penn State
Shewmon, Paul G. Dr.	Professor, Metallurgical Engineering Department Ohio State University
Siess, Chester P. Dr.	Professor Emeritus of Civil Engineering University of Illinois
Ward, David A. Mr.	Retired Research Manager, E.I. du Pont de Nemour & Co., Savannah River Laboratory
Wylie, Charles J. Mr.	Retired Chief Engineer, Electric Division, Duke Power Company

Advisory Committee on Reactor Safeguards

1. OCCUPATIONAL GROUPS: Total Number of Members by Occupational Code

Occupational Code:	05	10
Number of Members:	$\frac{9}{9}$	$\frac{1}{1}$

Advisory Committee on Reactor Safeguards

2. INDUSTRY GROUPS: Total Number of Members by Industry Code

Industry Code:	01	02	03
Number of Members:	$\frac{1}{1}$	$\frac{6}{6}$	$\frac{3}{3}$

ANNUAL REPORT

REVIEW OF FEDERAL ADVISORY COMMITTEE

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). Cite ALL dates 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
1989

3. COMMITTEE OR SUBCOMMITTEE (Full name as chartered)
Advisory Committee on the Medical Uses of Isotopes

SECTION A - COMMITTEE STATUS

4. IS THIS COMMITTEE NEW DURING FISCAL YEAR?
 YES NO

5. CURRENT CHARTER DATE
04/04/89

6. EXPECTED RENEWAL DATE
04/04/90

7. EXPECTED TERMINATION DATE

8A. HAS THIS COMMITTEE BEEN TERMINATED DURING FISCAL YEAR? (If "YES", complete items 8B and 8C)
 YES 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
 A. CONTINUE B. MERGE C. TERMINATE

10A. IS LEGISLATION REQUIRED TO MERGE OR TERMINATE?
 YES NO

10B. IS SUCH LEGISLATION PENDING OR ENACTED?
 YES NO

SECTION B - COMMITTEE AUTHORITY AND TYPE

11. ESTABLISHMENT AUTHORITY (Check ONLY one)
 A. SPECIFICALLY DIRECTED BY LAW B. AUTHORIZED BY LAW C. AGENCY AUTHORITY 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)
 A. AD HOC B. CONTINUING C. PRESIDENTIAL

15. DESCRIPTION OF COMMITTEE (Check ONLY one)
 A. NATIONAL POLICY/ISSUE ADVISORY B. NON-SCIENTIFIC PROGRAM ADVISORY C. SCIENTIFIC/TECHNICAL PROGRAM ADVISORY D. GRANT REVIEW E. REGULATORY NEGOTIATION F. OTHER (Specify)

SECTION C - COMMITTEE ACTIVITY DURING FISCAL YEAR

16A. TOTAL NUMBER OF REPORTS
1

16B. LIST REPORT TITLES AND DATES (Month, day)
"Review of Transcript of hearing on November 7, 1988..."

17. NUMBER OF MEETINGS

A. OPEN	B. CLOSED	C. PARTIALLY CLOSED	D. TOTAL (A + B + C)
1			

E. DATES OF ALL MEETINGS (Month, day)
11/07/1988

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	\$ 1,980	\$ 2,000
	(2) FEDERAL MEMBERS (Prorated salary)	5,739	5,739
	(3) FEDERAL STAFF (Prorated salary)	0	0
	(4) NONMEMBER CONSULTANTS	0	0
B. TRAVEL AND PER DIEM	(1) NON-FEDERAL MEMBERS	1,652	12,000
	(2) FEDERAL MEMBERS	0	0
	(3) FEDERAL STAFF	0	0
	(4) NONMEMBER CONSULTANTS	1,905	0
C. OTHER (rents, user charges, graphics, printing, mailing, etc.)		175	400
D. TOTAL		\$ 11,451	\$ 20,139
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)		0.1	0.1

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.

(Attached)

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

(Attached)

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

(Attached)

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

(Attached)

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

N/A

21. REMARKS

SECTION F - 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	2. COMMITTEE OR SUBCOMMITTEE (Full name, as chartered)	3. FISCAL YEAR
NRC	Advisory Committee on the Medical Uses of Isotopes	1989

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

Francis A. St. Mary
Division of Industrial and
Medical Nuclear Safety, NMSS
Nuclear Regulatory Commission
Washington, D.C. 20555
Mail Stop 6-H3

5. TOTAL NUMBER OF ALL MEMBERS SERVING DURING FISCAL YEAR 9

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)
Collins Vincent P. (M.D.)	Medical Director, Houston Institute of Cancer Res. Diag.
*Cunningham, Richard E.	Director, Division of Industrial and Medical Nuclear Safety, NRC
DeNardo, Sally J. (M.D.)	Associate Professor, Radiology/Nuc. Medicine, Univ. of California
Goodrich, Jack K. (M.D.)	Nuclear Medicine Radiology Associates of Erie
Griem, Melvin L. (M.D.)	Director, Chicago Tumor Intitute University of Chicago
Herrerra, Nilo E. (M.D.)	Director, Dept. of Laboratory Med. DAnbury Hospital
Pohost, Gerald M. (M.D.)	Director, Div. of Cardiovascular Disease, University of Alabama
Webster, Edward W. (Ph.D.)	Director, Div. of Radiological Sc. Massachusetts General Hospital
Woodbury, David H. (M.D.)	Director, Nuclear Medicine Westland Medical Center

NRC
ADVISORY COMMITTEE ON THE MEDICAL USES OF ISOTOPES (0774)
FY1989 ANNUAL REPORT

20A cont. HOW COMMITTEE ACCOMPLISHES ITS PURPOSES

The NRC staff believes that both licensees and the public in general benefit when recognized experts provide advice to the staff on certain 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.

In response to the Commission's directions to NRC staff to develop a rule on quality assurance (QA) in radiation therapy and other issues pertaining to the medical use of byproduct material, in November 1988, members of the ACMUI met in public session and received comments from the medical community on ways to improve QA procedures. A report and analysis of statements made at the meeting was submitted to the NRC staff for their use in developing the Commission's proposed rule.

20B cont. BALANCE OF MEMBERSHIP

The Committee's membership started the year with 5 physicians, a medical physicist, and an NRC staff member who chairs the Committee. Two physicians, a medical physicist, and a medical technologist were added to the Committee during the year. The members, well-recognized specialists in their own fields, are from different parts of the United States, represent such private office and hospital-based practices, represent teaching and non-teaching hospitals, and include two women and one minority member. The physician-members' specialties include diagnostic and therapeutic radiology, internal medicine, cardiology, nuclear medicine and pathology. The scientist-members have broad backgrounds in radiation safety, in medical physics associated with both diagnostic and therapeutic uses of radiation and radioactive materials, and radiopharmacy. The technologist member has experience in both nuclear medicine and hospital administration.

20C cont. MEETING FREQUENCY

The Committee meets approximately once a year and is publicly convened to discuss controversial issues with the potential for wide impact.

20D cont. WHY ADVICE CANNOT BE OBTAINED FROM OTHER SOURCES

The information and advice obtained from the Committee members is not available through other NRC resources because NRC has no physicians, medical physicists, pharmacists, or practicing technologists on its staff. There are no other sources for obtaining advice from such a body of well-recognized experts in the specialties needed.

ANNUAL REPORT

REVIEW OF FEDERAL ADVISORY COMMITTEE

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). 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
89

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?
 YES NO

5. CURRENT CHARTER DATE
11/28/88

6. EXPECTED RENEWAL DATE
11/28/90

7. EXPECTED TERMINATION DATE
11/28/90

8A. HAS THIS COMMITTEE BEEN TERMINATED DURING FISCAL YEAR? (If "YES", complete items 8B and 8C)
 YES NO

8B. SPECIFIC TERMINATION AUTHORITY (If by law, cite U.S.C.)

8C. ACTUAL TERMINATION DATE

NOTE: If box 8B or 8C is checked, complete items 10A and 10B and provide a brief explanation in "Remarks".

9. AGENCY RECOMMENDATION FOR COMMITTEE FOR NEXT FISCAL YEAR
 A. CONTINUE B. MERGE C. TERMINATE

10A. IS LEGISLATION REQUIRED TO MERGE OR TERMINATE?
 YES NO

10B. IS SUCH LEGISLATION PENDING OR ENACTED?
 YES NO

SECTION B - COMMITTEE AUTHORITY AND TYPE

11. ESTABLISHMENT AUTHORITY (Check ONLY one)
 A. SPECIFICALLY DIRECTED BY LAW B. AUTHORIZED BY LAW C. AGENCY AUTHORITY 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)
 A. AD HOC B. CONTINUING C. PRESIDENTIAL

15. DESCRIPTION OF COMMITTEE (Check ONLY one)
 A. NATIONAL POLICY/ISSUE ADVISORY B. NON-SCIENTIFIC PROGRAM ADVISORY C. SCIENTIFIC/TECHNICAL PROGRAM ADVISORY D. GRANT REVIEW E. REGULATORY NEGOTIATION 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	B. CLOSED	C. PARTIALLY CLOSED	D. TOTAL (A + B + C)
4	0	0	4

E. DATES OF ALL MEETINGS (Month, day)
10/25, 2/16, 4/13, 9/21

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	0	0
	(2) FEDERAL MEMBERS (Prorated salary)	0	0
	(3) FEDERAL STAFF (Prorated salary)	18,100	18700
	(4) NONMEMBER CONSULTANTS	0	0
B. TRAVEL AND PER DIEM	(1) NON-FEDERAL MEMBERS	1032	1000
	(2) FEDERAL MEMBERS	0	0
	(3) FEDERAL STAFF	361	370
	(4) NONMEMBER CONSULTANTS	0	0
C. OTHER (rents, user charges, graphics, printing, mailing, etc.) Transcripts/Room/Audio		4904	5000
D. TOTAL		24397	25070

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)

	0.5	0.5
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SECTION E - COMMITTEE ACCOMPLISHMENTS AND JUSTIFICATION

(Complete this section ONLY for committees where items 4 "NO", 8A "NO", and 8A "Continuc" 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 panel met four times during FY88 to consider a variety of topics including the licensee's proposal to place TMI-2 in long term storage, the detailed operation of the Accident Generate Water Processing System, offsite radiation monitoring, and the licensee's schedule for completing defueling. On October 24, 1988 the Advisory panel met in Washington, D.C. to provide the Commission the Panel's position on various issues and inform the Commission on Public concerns in TMI site area. In the past the panel has been responsible for modifying the NRC's Regulatory activities in the cleanup effort.

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

The Panel is composed of local citizens, scientists and politicians. 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 Commonwealth of Pennsylvania is represented, as well as local government. The Panel functions as a collegial 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. DESCRIBE THE FREQUENCY OF MEETINGS AND THE RELEVANCE TO CONTINUING THE COMMITTEE.

The Panel has in the past met between four and 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.

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

The principal purpose of the Panel is to provide a formalized conduit to the NRC Commissioner informing them of the concerns of the local citizens regarding the TMI-2 cleanup effort. This purpose is site specific and requires input from people in touch with and able to communicate with the public.

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

Not Applicable

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) Advisory Panel for the Decontamination of TMI-2	3. FISCAL YEAR 89
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4. NAME, ORGANIZATIONAL TITLE, AND AGENCY ADDRESS OF DESIGNATED FEDERAL OFFICER:

Michael T. Masnik
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

5. TOTAL NUMBER OF ALL MEMBERS SERVING DURING FISCAL YEAR 11

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)
Gersuky, Thomas M.	Director, Penna. Bureau of Radiation Protec
Luetzelchwab, John W. Dr.	Professor
Marshall, Elizabeth N.	Real Estate Agent
Miller, Kenneth L.	Health Physicist
*Morris, Arthur E.	Mayor
Rice, Frederick S.	Financial Consultant
Robinson, Gordon E. Dr.	Professor
Roth, Joel	Salesman
Smithgall, Thomas D.	Real Estate Broker
Trunk, Ann D.	Housewife
Wald, Neal Dr.	Professor

ANNUAL REPORT

REVIEW OF FEDERAL ADVISORY COMMITTEE

INTERAGENCY REPORTS CONTROL /
0304-GSA-XX

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

1. DEPARTMENT OR AGENCY

United States Nuclear Regulatory Commission

2. FISCAL YEAR

1989

3. COMMITTEE OR SUBCOMMITTEE (Full name as chartered)

High Level Waste Licensing Support System Advisory Committee

SECTION A - COMMITTEE STATUS

4. IS THIS COMMITTEE NEW DURING FISCAL YEAR? 5. CURRENT CHARTER DATE DATE 6. EXPECTED RENEWAL DATE DATE 7. EXPECTED TERMINATION DATE DATE

YES NO

8-4-87

8-4-89

8A. HAS THIS COMMITTEE BEEN TERMINATED DURING FISCAL YEAR? (If "YES", complete items 8B and 8C)

YES NO terminated in FY 89

8B. SPECIFIC TERMINATION AUTHORITY (If by law, cite U.S.C.)

Charter's two years expired

8C. ACTUAL TERMINATION DATE

8-4-89

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

N/A

10A. IS LEGISLATION REQUIRED TO MERGE OR TERMINATE?

YES NO

10B. IS SUCH LEGISLATION PENDING OR ENACTED?

N/A YES NO

A. CONTINUE

B. MERGE

C. TERMINATE

SECTION B - COMMITTEE AUTHORITY AND TYPE

11. ESTABLISHMENT AUTHORITY (Check ONLY one)

A. SPECIFICALLY DIRECTED BY LAW

B. AUTHORIZED BY LAW

C. AGENCY AUTHORITY

D. PRESIDENTIAL DIRECTIVE

12. SPECIFIC ESTABLISHMENT AUTHORITY (If by law, cite U.S.C.)

Commission decision

13. EFFECTIVE DATE OF AUTHORITY

7-20-87

14. COMMITTEE TYPE (Check EITHER A or B, and C, if appropriate)

A. AD HOC B. CONTINUING C. PRESIDENTIAL

15. DESCRIPTION OF COMMITTEE (Check ONLY one)

A. NATIONAL POLICY/ISSUE ADVISORY

B. NON-SCIENTIFIC PROGRAM ADVISORY

C. SCIENTIFIC/TECHNICAL PROGRAM ADVISORY

D. GRANT REVIEW

E. REGULATORY NEGOTIATION

F. OTHER (Specify)

SECTION C - COMMITTEE ACTIVITY DURING FISCAL YEAR

16A. TOTAL NUMBER OF REPORTS

none

16B. LIST REPORT TITLES AND DATES (Month, day)

none

17. NUMBER OF MEETINGS

A. OPEN

B. CLOSED

C. PARTIALLY CLOSED

D. TOTAL (A + B + C)

none

none

none

none

E. DATES OF ALL MEETINGS (Month, day)

N/A

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	\$	\$
	(2) FEDERAL MEMBERS (Prorated salary)		
	(3) FEDERAL STAFF (Prorated salary)		
	(4) NONMEMBER CONSULTANTS		
B. TRAVEL AND PER DIEM	(1) NON-FEDERAL MEMBERS		
	(2) FEDERAL MEMBERS		
	(3) FEDERAL STAFF		
	(4) NONMEMBER CONSULTANTS		
C. OTHER (rents, user charges, graphics, printing, mailing, etc.)			
D. TOTAL		\$ -0-	\$ -0-

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-

-0-

ANNUAL ADVISORY COMMITTEE MEMBERSHIP LIST

INTERAGENCY REPORTS CONTR
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
USNRC	High Level Waste Licensing Support System Advisory Committee	1989

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

Donnie H. Grimsley
 Director, Division of Freedom of Information and Publication Services
 U.S. Nuclear Regulatory Commission
 Washington, D.C. 20555

5. TOTAL NUMBER OF ALL MEMBERS SERVING DURING FISCAL YEAR 14

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)
Swainston, Harry W.	State of Nevada
Murphy, Mal	State of Nevada
Davenport, James	State of Nevada
Tousley, Dean R.	Yakima Indian Nation
Saltzman, Jerome	U.S. Department of Energy
Echols, Stan	U.S. Department of Energy
Kassen, melinda	Environmental Defense Fund
Ortman, David	Friends of the Earth
Kraft, Steven P.	Edison Electric Institute
Montgomery, Nancy	Edison Electric Institute
Silberg, Jay	Attorney for EEI/UNWMC
* Olmstead William	U.S. Nuclear Regulatory Commission
Cameron, Francis C.	U.S. Nuclear Regulatory Commission
Rechtel, Dennis	Clark County Las Vegas, Nevada

ANNUAL REPORT	REVIEW OF FEDERAL ADVISORY COMMITTEE	INTERAGENCY REPORTS CONTROL NO. 0304-GSA-XX
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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 numerals (Month, day, year). If additional space is necessary, use Section F, "Remarks" on the reverse.

1. DEPARTMENT OR AGENCY NRC	2. FISCAL YEAR 1989
3. COMMITTEE OR SUBCOMMITTEE (Full name as chartered)	

Advisory Committee on Nuclear Waste

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 05/18/88	6. EXPECTED RENEWAL DATE 05/18/90	7. EXPECTED TERMINATION DATE NA
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 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 5/18/88	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 15	16B. LIST REPORT TITLES AND DATES (Month, day) SEE ATTACHED
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17. NUMBER OF MEETINGS

A. OPEN	B. CLOSED	C. PARTIALLY CLOSED	D. TOTAL (A + B + C)	E. DATES OF ALL MEETINGS (Month, day) SEE ATTACHED
6	0	4	10	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	\$ 40,732	\$ 78,218
	(2) FEDERAL MEMBERS (Prorated salary)	-	-
	(3) FEDERAL STAFF (Prorated salary)	280,658	313,567
	(4) NONMEMBER CONSULTANTS	40,873	40,000
B. TRAVEL AND PER DIEM	(1) NON-FEDERAL MEMBERS	19,199	24,200
	(2) FEDERAL MEMBERS	-	-
	(3) FEDERAL STAFF	3,115	4,400
	(4) NONMEMBER CONSULTANTS	20,844	26,400
C. OTHER (rents, user charges, graphics, printing, mailing, etc.)		34,045	53,500
D. TOTAL		\$ 439,466	\$ 540,285

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)		
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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
Advisory Committee on Nuclear Waste

SECTION C

16B.

<u>REPORT TITLE</u>	<u>DATE</u>
Comments on the Proposed Deletion of Section 20.205 from the Proposed Revision of 10 CFR Part 20, "Standards for Protection Against Radiation" (SECY-88-315)	12/30
Draft Generic Technical Position: Guidance for Determination of Anticipated Processes and Events and Unanticipated Processes and Events	12/30
Comments on Advance Notice of the Development of a Commission Policy on Exemptions from Regulatory Control for Practices Whose Public Health and Safety Impacts are Below Regulatory Concern	12/30
Topics Raised by ACNW During the October 27, 1988, Meeting with the Commissioners	01/04
Activities of ACNW Concerning High-Level Waste Management	01/25
West Valley Demonstration Project	01/26
Final Rulemaking on 10 CFR Part 61 Relative to Disposal of Greater-Than-Class C Low-Level Radioactive Wastes	02/24
Proposed Waste Confidence Decision by the Waste Confidence Review Group	05/03
Draft Technical Position on Postclosure Seals in an Unsaturated Medium	05/03
Proposed Commission Policy on Exemptions from Regulatory Control	05/03
Management of Mixed Hazardous and Low-Level Radioactive Wastes (Mixed Wastes)	05/03
ACNW Review of NRC Comments on Doe Site Characterization Plan	07/03
Reporting Incidents Involving the Management and Disposal of Low-Level Radioactive Wastes	07/05
Comments on ACNW Review of the NRC Analysis of the DOE Site Characterization Plan	08/21
Comments on Technical Position Paper on Environmental Monitoring of Low-Level Radioactive Waste Disposal Facilities	09/19

17E. DATES OF ALL MEETINGS

12/21
01/23-24
02/21-23
03/23
04/19
04/26-28
05/11
06/13
06/28-30
09/13-15

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 all aspects of nuclear waste management, as appropriate, within the purview of NRC's regulatory responsibilities. The primary emphasis will be on disposal of high-level nuclear waste but will also include other aspects 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 specific areas of concern referred to it by the Commission or designated representatives of the Commission, and it is authorized to undertake other studies and activities on its own initiative, as appropriate to carry out its responsibilities."

ACNW reports (except for any which 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 fiscal year 1989, the ACNW reported to the Commission and others on a variety of issues, including:

- ° The Proposed Deletion of Section 20.205 from the Proposed Revision of 10 CFR Part 20, "Standards for Protection Against Radiation" (SECY-88-315)
- ° Draft Generic Technical Position: Guidance for Determination of Anticipated Processes and Events and Unanticipated Processes and Events
- ° Advance Notice of the Development of a Commission Policy on Exemptions from Regulatory Control for Practices Whose Public Health and Safety Impacts are Below Regulatory Concern

- West Valley Demonstration Project
- Final Rulemaking on 10 CFR Part 61 Relative to Disposal of Greater-Than-Class C Low-Level Radioactive Wastes
- Proposed Waste Confidence Decision by the Waste Confidence Review Group
- Draft Technical Position on Postclosure Seals in an Unsaturated Medium
- Proposed Commission Policy on Exemptions from Regulatory Control
- Management of Mixed Hazardous and Low-Level Radioactive Wastes (Mixed Wastes)
- NRC Comments on DOE Site Characterization Plan for the High-Level Waste Repository
- Reporting Incidents Involving the Management and Disposal of Low-Level Radioactive Wastes
- NRC Analysis of the DOE Site Characterization Plan for the High-Level Waste Repository
- Technical Position Paper on Environmental Monitoring of Low-Level Radioactive Waste Disposal Facilities

In performing the reviews and preparing the reports cited above, the ACNW held 9 full Committee meetings and 1 working group session. The ACNW also met with the Commission on 2 occasions to provide direct advice and discussion of the issues in 20B. the reports noted above.

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 1989, the Committee included three members from academic institutions, and one member who is an employee of a national laboratory. 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 perspectives, which provides assurance that adequate, independent open discussion and analysis of the potential hazards of nuclear waste can take place.

During FY 1989, the membership has included engineers and scientists experienced in radioactive waste management, health physics, chemistry, nuclear engineering, environmental engineering, geology, geophysics, and seismotectonics.

Of the current incumbents on the ACNW, two were drawn from the Advisory Committee on Reactor Safeguards (ACRS); one, a former NRC office director, was selected directly by the Commission; and a fourth was proposed for nomination by a technical society. It is expected that future appointees will be nominated in a manner that will provide for increased public involvement in the nominating process; that is, the NRC will issue public announcements soliciting nominees to maintain a panel for appointment of members as vacancies occur. This will provide an opportunity for nominations to be received from the public, including organizations such as public interest groups and technical societies.

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 10 meetings during FY 1989. 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 8 out of the 12 months during CY 1990. 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 consideration. 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 Advisory Committee on Nuclear Waste is an independent organization which is mandated to perform certain specific functions and provide advice to the Nuclear Regulatory Commission with regard to the potential hazards of all aspects of nuclear waste management within the purview of the NRC. The Committee is unique in that there exists no comparable body composed 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 which could be 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 which 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 10 meetings comprising a total of approximately 152 hours. Portions of 4 meetings were closed. Time spent in closed sessions occupied only about 4 hours. These closed sessions primarily addressed the selection of new members and were closed because they involved discussions of internal agency management and personnel practices, and information the release of which would have constituted a clearly unwarranted invasion of personal privacy if made public.

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) Advisory Committee on Nuclear Waste	3. FISCAL YEAR 1989
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4. NAME, ORGANIZATIONAL TITLE, AND AGENCY ADDRESS OF DESIGNATED FEDERAL OFFICER:

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

5. TOTAL NUMBER OF ALL MEMBERS SERVING DURING FISCAL YEAR 4

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)
Hinze, William J. Dr.	Professor, Department of Earth and Atmospheric Sciences, Purdue University
*Moeller, Dade W. Dr.	Professor of Engineering in Environmental Health School of Public Health, Harvard University
Smith, Clifford V. Jr. Dr.	Chancellor, University of Wisconsin
Steindler, Martin J. Dr.	Director, Chemical Technology Division Argonne National Laboratory

Advisory Committee on Nuclear Waste

1. OCCUPATIONAL GROUPS: Total Number of Members by Occupational Code

Occupational Code:	$\frac{12}{2}$	$\frac{17}{2}$
Number of Members:		

Advisory Committee on Nuclear Waste

2. INDUSTRY GROUPS: Total Number of Members by Industry Code

Industry Code:	02	03
Number of Members:	$\frac{02}{2}$	$\frac{03}{2}$

ANNUAL REPORT

REVIEW OF FEDERAL ADVISORY COMMITTEE

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). 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

1989

3. COMMITTEE OR SUBCOMMITTEE (Full name as chartered)

Nuclear Safety Research Review Committee (NSRRC)

SECTION A - COMMITTEE STATUS

4. IS THIS COMMITTEE NEW DURING FISCAL YEAR?

 YES NO

5. CURRENT CHARTER DATE DATE

2/9/88

6. EXPECTED RENEWAL DATE

2/9/90

7. EXPECTED TERMINATION DATE

Perpetual

8A. HAS THIS COMMITTEE BEEN TERMINATED DURING FISCAL YEAR? (If "YES", complete items 8B and 8C)

 YES NO

8B. SPECIFIC TERMINATION AUTHORITY (If by law, cite U.S.C.)

8C. ACTUAL TERMINATION DATE

NOTE: If box 8B or 8C is checked, complete items 10A and 10B and provide a brief explanation in "Remarks".

9. AGENCY RECOMMENDATION FOR COMMITTEE FOR NEXT FISCAL YEAR

 A. CONTINUE B. MERGE C. TERMINATE

10A. IS LEGISLATION REQUIRED TO MERGE OR TERMINATE?

 YES NO

10B. IS SUCH LEGISLATION PENDING OR ENACTED?

 YES NO N/A

SECTION B - COMMITTEE AUTHORITY AND TYPE

11. ESTABLISHMENT AUTHORITY (Check ONLY one)

 A. SPECIFICALLY DIRECTED BY LAW B. AUTHORIZED BY LAW C. AGENCY AUTHORITY 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)

 A. AD HOC B. CONTINUING C. PRESIDENTIAL

15. DESCRIPTION OF COMMITTEE (Check ONLY one)

 A. NATIONAL POLICY/ISSUE ADVISORY B. NON-SCIENTIFIC PROGRAM ADVISORY C. SCIENTIFIC/TECHNICAL PROGRAM ADVISORY D. GRANT REVIEW E. REGULATORY NEGOTIATION F. OTHER (Specify)

SECTION C - COMMITTEE ACTIVITY DURING FISCAL YEAR

16A. TOTAL NUMBER OF REPORTS

2

16B. LIST REPORT, TITLES AND DATES (Month, day)

1. Second Report of the Nuclear Safety Research Review Committee (February 7, 1989)

2. Third Report of the Nuclear Safety Research Review Committee (August 11, 1989)

17. NUMBER OF MEETINGS

A. OPEN

B. CLOSED

C. PARTIALLY CLOSED

D. TOTAL (A + B + C)

5

0

0

5

E. DATES OF ALL MEETINGS (Month, day)

Oct. 11-12, 1988; Nov. 3-4, 1988; Dec. 1 2, 1988; Dec. 13-14, 1988; May 23-24, 1989

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	\$ 8,000	\$ 11,000
	(2) FEDERAL MEMBERS (Prorated salary)		
	(3) FEDERAL STAFF (Prorated salary)		
	(4) NONMEMBER CONSULTANTS		
B. TRAVEL AND PER DIEM	(1) NON-FEDERAL MEMBERS	9,500	11,000
	(2) FEDERAL MEMBERS		
	(3) FEDERAL STAFF		
	(4) NONMEMBER CONSULTANTS	700	2,000
C. OTHER (rents, user charges, graphics, printing, mailing, etc.)			
D. TOTAL		\$ 18,200	\$ 24,000

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)

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.

Based on the recommendations of the NSRRC, RES has established Broad Agency Announcements (BAA) to expand the base of contractors providing services to RES. RES has also taken steps to expand and improve university involvement in its research activities.

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

The NSRRC consists of individuals with expert backgrounds covering the various aspects of nuclear research. The Committee is made up of membership from industry, government, national laboratories and universities.

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

- 1 Full committee meeting each fiscal year cycle.
- 4 Subcommittee site visits each fiscal year.

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

The NRC technical staff consists of highly diverse and well trained individuals. In spite of this fact, the National Academy of Sciences (NAS) in its report on revitalizing nuclear safety research in the U.S. recommended that a first rank advisory committee be established to advise the Commission on its RES programs. There are no other advisory committees in NRC or elsewhere which have the diversity of viewpoints and individual expertise capable of providing the in-depth advice contemplated by the NAS report.

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

N/A

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 Nuclear Regulatory Commission	2. COMMITTEE OR SUBCOMMITTEE (Full name, as chartered) Nuclear Safety Research Review Committee	3. FISCAL YEAR 1989
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4. NAME, ORGANIZATIONAL TITLE, AND AGENCY ADDRESS OF DESIGNATED FEDERAL OFFICER:

Dr. Robert L. Shepard
Senior Research Program Manager
Office of Nuclear Regulatory Research
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

5. TOTAL NUMBER OF ALL MEMBERS SERVING DURING FISCAL YEAR 14

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)
* Dr. Neil E. Todreas	Massachusetts Institute of Technology
Dr. Spencer H. Bush	Battelle Pacific Northwest Laboratory
Dr. Earnest F. Gloyna	University of Texas at Austin
Dr. Joseph M. Hendrie	Brookhaven National Laboratory
Dr. Warren F. (Pete) Miller, Jr.	Los Alamos national Laboratory
Dr. David Morrison, President	IIT Research Institute
Mr. Cordell Reed	Commonwealth Edison Company
Dr. Thomas B. Sheridan	Massachusetts Institute of technology
Prof. Richard Wilson	Harvard University
Dr. Robert E. Uhrig (new member)	University of Tennessee
Dr. Herbert S. Isbin	Consultant (Professor Emeritus, Univ. Minnesota)
Dr. Sol Burstein (new member)	Consultant (Retired Vice President, Wisconsin Electric Power Company)
Dr. M. L. Shoaf (resigned member)	Princeton University
Dr. N. K. Gupta (resigned member)	Integrated Systems, Inc.

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 1989
--	-------------------------------

3. COMMITTEE OR SUBCOMMITTEE (Full name as chartered)
Special Committee to Review the Severe Accident Risks Report

SECTION A - COMMITTEE STATUS

4. IS THIS COMMITTEE NEW DURING FISCAL YEAR? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	5. CURRENT CHARTER DATE June 16, 1989	6. EXPECTED RENEWAL DATE None	7. EXPECTED TERMINATION DATE June 16, 1990
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.) NA		8C. ACTUAL TERMINATION DATE NA

NOTE: If box 8B or 8C is checked, complete items 10A and 10B and provide a brief explanation in "Remarks".

9. AGENCY RECOMMENDATION FOR COMMITTEE FOR NEXT FISCAL YEAR <input type="checkbox"/> A. CONTINUE <input type="checkbox"/> B. MERGE <input checked="" 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 type="checkbox"/> NO NA
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SECTION B - COMMITTEE AUTHORITY AND TYPE

11. ESTABLISHMENT AUTHORITY (Check ONLY one)

A. SPECIFICALLY DIRECTED BY LAW B. AUTHORIZED BY LAW C. AGENCY AUTHORITY 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 6/16/89	14. COMMITTEE TYPE (Check EITHER A or B, and C, if appropriate) <input checked="" type="checkbox"/> A. AD HOC <input type="checkbox"/> B. CONTINUING <input type="checkbox"/> C. PRESIDENTIAL
--	---	--

15. DESCRIPTION OF COMMITTEE (Check ONLY one)

A. NATIONAL POLICY/ISSUE ADVISORY B. NON-SCIENTIFIC PROGRAM ADVISORY C. SCIENTIFIC/TECHNICAL PROGRAM ADVISORY D. GRANT REVIEW E. REGULATORY NEGOTIATION F. OTHER (Specify)

SECTION C - COMMITTEE ACTIVITY DURING FISCAL YEAR

16A. TOTAL NUMBER OF REPORTS None	16B. LIST REPORT TITLES AND DATES (Month, day) None
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17. NUMBER OF MEETINGS				E. DATES OF ALL MEETINGS (Month, day) July 10-12, 1989, Sept. 13-14, 1989
A. OPEN 2	B. CLOSED 0	C. PARTIALLY CLOSED 0	D. TOTAL (A + B + C) 2	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	\$ None
	(2) FEDERAL MEMBERS (Prorated salary)	
	(3) FEDERAL STAFF (Prorated salary)	10,000
	(4) NONMEMBER CONSULTANTS	
B. TRAVEL AND PER DIEM	(1) NON-FEDERAL MEMBERS	65,000
	(2) FEDERAL MEMBERS	
	(3) FEDERAL STAFF	5,000
	(4) NONMEMBER CONSULTANTS	
C. OTHER (rents, user charges, graphics, printing, mailing, etc.)	20,000	20,000
D. TOTAL	\$100,000	\$105,000

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)

SECTION E - COMMITTEE ACCOMPLISHMENTS AND JUSTIFICATION

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

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

At the conclusion of its work the Committee will provide a report on the technical merits of an NRC-contractor report which will be used to support NRC's Program of Regulation.

At its meetings in July and September the Committee began its review of the Severe Accident Risks Report with discussion and presentations from the contractors who prepared the report.

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

Membership is balanced between national and international experts representing industrial, academic and national laboratory points of view.

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

Two meetings held in FY89, two meetings presently scheduled for FY90.

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

Commission wishes to obtain independent views as to whether information presented in the Severe Accident Risks Report reflects state-of-the-art science and uncertainties in science are appropriately documented.

The Severe Accident Risks Report is a highly complex, technical study. Committee members have extensive scientific and engineering backgrounds. Their expertise is not available from other agencies or other advisory committees.

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

NA

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 U.S. Nuclear Regulatory Commission	2. COMMITTEE OR SUBCOMMITTEE (Full name, as chartered) Special Committee to Review Severe Accident Risk Report	3. FISCAL YEAR 1989
--	---	------------------------

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

Charles B. Bartlett
Senior Research Engineer
Office of nuclear Regulatory Research
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

5. TOTAL NUMBER OF ALL MEMBERS SERVING DURING FISCAL YEAR 9

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)
*Dr. Herbert J. Kouts	Brookhaven National Laboratory
Dr. E.H. Adolf Birkhofer	Society for Reactor Safety (ERS) Fed. Rep. Germany
Dr. Lars Hoegberg	Swedish Nuclear Power Inspectorate (SKI)
Dr. Harry Teague	UK Atomic Energy Authority
Dr. Geo. Apostolakis	University of California, Los Angeles
Dr. Wh. Kastenber	University of California, Los Angeles
Dr. Leo LeSage	Argonne National Laboratory
Dr. Norman Rasmusen	Massachusetts Institute of Technology
Dr. John Taylor	Electric Power Research Institute