

### UNITED STATES NUCLEAR REGULATORY COMMISSION WASHINGTON D.C. 20556



November 16, 1989

MEMORANDUM FOR:

John C. Hoyle

FROM:

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

OFOZ

ANNUAL REPORT

# REVIEW OF FEDERAL ADVISORY COMMITTEES

D304-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).

|          | Y OR ADENCY<br>Nuclear Regulatory Commiss | ion 2. Total NUMBER OF ALL   | 1 989  |
|----------|---|--|--|
| DITES II | SECTION                                   | A - TOTALS FROM GSA FORMS T-8  | 1 1969   |
| EM NUMBE | GSA FORM 1-820-H                          | DATA ELEMENTS  | TOTAL OF ALL COMMITTEE                         |
| 4.       | NEW "YES"                                 | NUMBER OF NEW COMMITTEES   | 1  |
| 84.      | TERMINATED "YES"                          | NUMBER OF TERMINATED COMMITTEES  |  |
|          |   | A. DIRECTED BY LAW   |  |
|          |   | B. AUTHORIZED BY LAW   |  |
| 11.      | COMMITTEE AUTHORITY                       | C. AGENCY AUTHORITY  | 6  |
|          |   | D. PRESIDENTIAL DIRECTIVE  |  |
|          |   | A. AD HOC  | 2  |
| 14.      | COMMITTEE TYPE                            | B. CONTINUING  | 5  |
|          |   | C. PRESIDENTIAL  |  |
|          |   | A. NATIONAL POLICY/ISSUE   |  |
|          | COMMITTEE DESCRIPTION                     | B. NON-SCIENTIFIC  |  |
| 15.      |   | C. SCIENTIFIC/TECHNICAL  | 6  |
|          |   | D. GRANT REVIEW  |  |
|          |   | E. REGULATORY NEGOTIATION  | 1  |
|          |   | F. OTHER   |  |
| 16A.     | REPORTS                                   | NUMBER OF REPORTS  | 65   |
|          |   | A. OPEN  | 70   |
| 17.      | MEETINGS                                  | B. CLOSED  | 5  |
|          |   | C. PARTIALLY CLOSED  | 17   |
|          |   | D. TOTAL   | 157  |
|          |   | A. PERSONNEL PAYMENTS  | CURRENT ACTUAL NEXT ESTIMA                     |
|          |   | (1) NON-FEDERAL MEMBERS  | \$ 367,660 \$ 458.84                           |
|          |   | (2) FEDERAL MEMBERS  | \$ 367,660 \$ 458.84<br>\$ 5,739 \$ 5,73       |
|          | COMMITTEE COST                            | (3) FEDERAL STAFF  | 1,662,521 1,767,57                             |
| 18.      |   | (4) NON-MEMBER CONSULTANTS   | 82,090 141,68                                  |
|          |   | B. TOTAL TRAVEL AND PER DIEM   | 9 320,449 9 391,37                             |
|          |   | C. OTHER   |  |
|          |   | D. TOTAL   | \$338,080 \$ 428,90<br>\$2,776,539 \$ 3,194,10 |
| 19.      | FEDERAL STAFF SUPPORT YEARS               |  | 30 3 31 1                                      |
|          | ERVICES ADMINISTRATION                    | And the state of t |  |

|            | SECTION                        | 8 - TOTALS FROM GSA FORMS T-821-H |       |       |              |
|------------|--------------------------------|-----------------------------------|-------|-------|--------------|
| TEM NUMBE  | GSA FORM T-821-H<br>R   TITLE  | DATA ELEMENT                      | 10141 | OF AL | L COMMITTEES |
| 5.         | TOTAL MEMBERS SERVING 71       | NUMBER OF MEMBERS 69              |       |       |              |
|            | BECTION                        | C - AGENCY MEMBERSH PROFILE DATA  |       |       |              |
| NSTRUCTION | S: ON SEPARATE ATTACHMENTS, PA | OVIDE 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

| SPONSORING OFFICIAL OR DESIGNATED FEDERAL OFFICER | SECTION D - CERTIFICATION | DATE |
|---|---------------------------|------|
| TITLE:  |                           |      |
| NAME:   |                           |      |
| COMMITTEE MANAGEMENT SPRICER                      | SIGNATURE                 | DAYE |
| TITLE:  |                           |      |
| NAME:   |                           |      |
| OTHER CONCURRING AGENCY OFFICIAL                  | SIGNATURE                 | DATE |
| TITLE:  |                           |      |
| NAME:   |                           |      |

Department or Agency: NRC

### Section C

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

| Code | No. of Members |
|------|----------------|
| 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

| Code | No. of Members |
|------|----------------|
| 1    | 6              |
| 2    | 31             |
| 3    | 22             |
| 4    | 5              |
| 5    | 7              |

| ANNUAL REP   |                                    | NE VIEV   | W OF FEDI  |   | TOOK! CO    | MMILLEE  |  | 03   | REPORTS CONTROL  |  |
|--|------------------------------------|---|--|---|-------------|--|--|--|--|--|
| NSTRUCTIONS: Con<br>numerals (Month, da<br>n. DEPARTMENT OR A  | GENCY                              | If additional space   | H committee  | e existing and  | time ourin  | p the fiscal year  | r (10-01<br>erse.  | 10 9-  | 30). Cite ALL date   |  |
| NRC  |                                    |   |  |   |             |  |  | 2. 7   | ISCAL YEAR   |  |
| COMMITTEE OR SU  | BCOMMIT                            | TEE (Full name as c   | chartered)   |   |             |  |  |  | 1989   |  |
|  |                                    | tee on React  |  | uards   |             |  |  |  |  |  |
| IS THIS COMMITTE   | E NEW PO                           | IN INC. CARD.   | SECTIO   | ON A - COM  | MITTEE ST   | ATUS   |  |  |  |  |
|  | t HEW DI                           | MINO PISCAL YEAR  |  | S. CURRENT C  | HARTER DATE | DATE   | ENEWAL 7.  | EXPECTED   | TERMINATION DAT  |  |
| TYES THE   |                                    |   |  |   |             | 12/23/90   | /90 N  |  |  |  |
| FISCAL YEAR? (II   | THE BEE                            | N TERMINATED DUR  | ING  | BB. SPECIFIC  | TERMINATION | The second secon |  |  | TERMINATION DAT  |  |
|  |                                    | implete items as at   | na BC)   | cite U.S.C.   | ,           |  | by law.   et.  | . ACTUAL   | TERMINATION DAT  |  |
| VES X NO   |                                    |   |  |   |             |  |  |  |  |  |
| AGENCY RECOMMEN  | DATION                             | checked, complete   | e items 107  | A and 108 an  | d provide s | brief explanatio   | on in Ren  | nerks".  |  |  |
|  | Dan Hom                            | FOR COMMITTEE FO  | OR NEXT FISC.  | AL YEAR   | 10A. 15 LEC | RGE OR TERMINA   | OFO TION   | B. (5 5UC  | H LEGISLATION  |  |
| A. CONTINUE  |                                    | T B. MERGE  | □ c. 188   | DAGINATE  | -           |  |  | PENDI  | NG OR ENACTED?   |  |
| 1. ESTABLISHMENT Z   |                                    | 55  | ECTION B -   | COMMITTEE   | YES         | □ NO   |  | YES  | □ NO   |  |
| A. NATIONAL POLICY/ISSUE ADVISORY  | OMMITEE                            | B. NON-SCIENTI  | IFIC   | 1957  C. SCIENTIFICHNICAL PROGRAM ADVISORY  | C DUR       | D. GRANT   | C E. REGU  | ULATORY<br>IATION  | C. PRESIDENT   |  |
| A. SOTAL NUMBER OR REPORTS   | OMMITTEE<br>OF                     | B. NON-SCIENTII PROGRAM ADVISORY SECTIO 168, LIST REPORT  SEE ATT   | THES AND D   | C. SCIENTI<br>TECHNICAL<br>PROGRAM<br>ADVISORY<br>MMITTEE ACT   | TIVITY DURI | DE GRANT<br>NG FISCAL YE   | E. REGUT   | JLATORY<br>IATION  | F. OTHER   |  |
| A. NATIONAL POLICY/ISSUE ADVISORY  A. OTAL NUMBER ( REPORTS  | OMMITTEE<br>OF                     | B. NON-SCIENTII PROGRAM ADVISORY SECTIO 168. LIST REPORT  | THES AND D   | C. SCIENTI<br>TECHNICAL<br>PROGRAM<br>ADVISORY<br>MMITTEE ACT   | TVITY DURI  | DE CRANT<br>NO FISCAL YES  | E. REGOTI  | JLATORY<br>IATION  | F. OTHER   |  |
| A. NATIONAL POLICY/ISSUE ADVISORY  DA. OTAL NUMBER ( REPORTS  47   | OMMITTEE<br>OF                     | B. NON-SCIENTII PROGRAM ADVISORY SECTIO 168, LIST REPORT  SEE ATT   | ACHED  | C. SCIENTI<br>TECHNICAL<br>PROGRAM<br>ADVISORY<br>MMITTEE ACT<br>DATES (Month, o  | INITY DURI  | DE CRANT NO FISCAL VE  | E. REGUL<br>NEGOTI<br>AR   | LATORY<br>ATION  | Specify  |  |
| A. NATIONAL POLICY/ISSUE ADVISORY  A. STAL NUMBER ( REPORTS  47  OPEN B. CLC   | OMMITTEE<br>OF<br>17.              | B. NON-SCIENTII PROGRAM ADVISORY SECTIO 168. LIST REPORT  SEE ATT.  NUMBER OF MEI  C. PARTIALLY CLOSE   | ACHED  | C. SCIENTI<br>TECHNICAL<br>PROGRAM<br>ADVISORY<br>MMITTEE ACT   | INITY DURI  | DE CRANT<br>NO FISCAL YES  | E. REGUL<br>NEGOTI<br>AR   | LATORY<br>ATION  | Specify  |  |
| DESCRIPTION OF CALL NATIONAL POLICY/ISSUE ADVISORY  BA. POTAL NUMBER (REPORTS  47  OPEN B. CLC   | OMMITTEE<br>OF<br>17.<br>DISED     | B. NON-SCIENTII PROGRAM ADVISORY SECTIO 168. LIST REPORT  SEE ATT.  NUMBER OF MEI  C. PARTIALLY CLOSE  13   | ACHED  | C. SCIENTI<br>TECHNICAL<br>PROGRAM<br>ADVISORY<br>MMITTEE ACT<br>DATES (MONIN. (  | E. BA       | PECENT<br>NG FISCAL YEA  | E. REGUL<br>NEGOTI<br>AR   | th. days   | f. OTHER (Specify)   |  |
| DESCRIPTION OF CO.  ANATIONAL POLICY/ISSUE ADVISORY  BA. YOTAL NUMBER ( REPORTS  47  OPEN B. CLC 52  | OMMITTEE<br>OF<br>17.<br>DISED     | B. NON-SCIENTII PROGRAM ADVISORY SECTIO 168. LIST REPORT  NUMBER OF MEI C. PARTIALLY CLOSE  13  | ACHED  ETINGS SECTION USE DECIMAL SECTION OF  | C. SCIENTI<br>TECHNICAL<br>PROGRAM<br>ADVISORY<br>MMITTEE ACT<br>DATES (MONIN. (  | E. BA       | PECENT<br>NG FISCAL YEA  | E. REGUL<br>NEGOTI<br>AR   | th. day)   | f. OTHER (Specify)   |  |
| DESCRIPTION OF CALL NATIONAL POLICY/ISSUE ADVISORY  BA. POTAL NUMBER (REPORTS  47  OPEN B. CLC   | OMMITTEE<br>OF<br>17.<br>DISED     | B. NON-SCIENTII PROGRAM ADVISORY SECTIO 168. LIST REPORT  NUMBER OF MEI C. PARTIALLY CLOSE  13  | ACHED  | C. SCIENTI<br>TECHNICAL<br>PROGRAM<br>ADVISORY<br>MMITTEE ACT<br>DATES (MONIN. (  | E. BA       | PECENT<br>NG FISCAL YEA  | E. REGUL<br>NEGOTI<br>AR   | DESCRIBE   | in "Remarks")  |  |
| DESCRIPTION OF COMMENT OF COMMENTS OF COMM | OMMITTEE<br>OF<br>17.<br>DISED     | B. NON-SCIENTII PROGRAM ADVISORY SECTIO 168. LIST REPORT  NUMBER OF MEI C. PARTIALLY CLOSE  13  | ACHED  ETINGS SECTION  SECTION   | C. SCIENTI<br>TECHNICAL<br>PROGRAM<br>ADVISORY<br>MMITTEE ACT<br>OATES (MONIN. ()   | E. BA       | PECENT<br>NG FISCAL YEA  | INGS (Monitors)  | Describe   | in "Remarks")  ).  FISCAL YEAR (Estimate)  |  |
| A. PERSONNE  | OMMITTEE<br>OF<br>17.<br>DSED<br>5 | SEE ATT   | ACHED  ETINGS SECTION SECTION AL MEMBERS (Prof   | C. SCIENTI<br>TECHNICAL<br>PROGRAM<br>ADVISORY<br>MMITTEE ACT<br>DATES (Month. (  | E. BA       | PECENT<br>NG FISCAL YEA  | INGS GAON  | Describe   | in "Remarks")  J. NEXT FISCAL YEAR (Estimate)  367,625   |  |
| DESCRIPTION OF CALL NATIONAL POLICY/ISSUE ADVISORY  A. COTAL NUMBER OF CALL NATIONAL NA | OMMITTEE<br>OF<br>17.<br>DSED<br>5 | SEE ATT   | ACHED  ETINGS SECTI NOT USE DEC  ESCRIPTION  AL MEMBERS MBERS (Prorated  | C. SCIENTI<br>TECHNICAL<br>PROGRAM<br>ADVISORY<br>MAITTEE ACT<br>DATES (Month. ()<br>AL (A · B · C)<br>ON D - CO<br>Imais, K, M, I  | E. BA       | PECENT<br>NG FISCAL YEA  | INGS MACH  | DESCRIBE   | in "Remarks")  In "Remarks")  In "Remarks")  In Second Sec |  |
| A. PERSONNE  | OMMITTEE<br>OF<br>17.<br>DSED<br>5 | SEE ATT   | ACHED  ETINGS SECTI NOT USE DECIDED  ESCRIPTION  AL MEMBERS MBERS (Professor CONSULTAN   | C. SCIENTI<br>TECHNICAL<br>PROGRAM<br>ADVISORY<br>MARITTEE ACT<br>DATES (Month. (   | E. BA       | PECENT<br>NG FISCAL YEA  | INGS MACH  | th. days  Describe  Policable N1 EAR 1) 48   | in "Remarks")  |  |
| A. PERSONNE  | OMMITTEE<br>OF<br>17.<br>DSED<br>5 | SEE ATT.  NUMBER OF MEI  C. PARTIALLY CLOS  13  OIG GOILLES, (DO N  18. DE  (1) NON-FEDERAL  (2) FEDERAL MEI  (3) FEDERAL STA  (1) NON-FEDERA  (1) NON-FEDERA  (1) NON-FEDERAL  (1) NON-FEDERAL  (1) NON-FEDERAL  (1) NON-FEDERAL  (1) NON-FEDERAL  (1) NON-FEDERAL   | ACHED  ETINGS SECTION AL MEMBERS MBERS (Prorate CONSULTAN AL MEMBERS   | C. SCIENTI<br>TECHNICAL<br>PROGRAM<br>ADVISORY<br>MARITTEE ACT<br>DATES (Month. (   | E. BA       | PECENT<br>NG FISCAL YEA  | INGS MACH  | DESCRIBE   | f. OTHER (Specify)  in "Remarks")  NEXT (ESTIMATE)  367,625  1,425,303  101,683  |  |
| A. PERSONNE PAYMENT  B. TRAVEL AND TO THE TRAVEL AND TO THE TRAVEL AND   | OMMITTEE<br>OF<br>17.<br>DSED<br>5 | SEE ATTA  NUMBER OF MEI  C. PARTIALLY CLOS  13  OLD GOILORS. (DO N  18. DE  (1) NON-FEDERAL  (2) FEDERAL MEI  (3) FEDERAL MEI  (4) NONMEMBER  (1) NON-FEDERAL  (2) FEDERAL MEI  (2) FEDERAL MEI  (3) FEDERAL MEI  (4) NONMEMBER  (1) NON-FEDERAL  (2) FEDERAL MEI  (3) FEDERAL MEI  (4) NON-FEDERAL  (5) FEDERAL MEI  (6) FEDERAL MEI  (7) FEDERAL MEI  (8) FEDERAL MEI  (9) FEDERAL MEI  (1) NON-FEDERAL  (1) NON-FEDERAL  (2) FEDERAL MEI  (3) FEDERAL MEI  (4) NON-FEDERAL  (5) FEDERAL MEI  (6) FEDERAL MEI  (7) FEDERAL MEI  (8) FEDERAL MEI  (9) FEDERAL MEI  (1) NON-FEDERAL | SECTION  AL MEMBERS  MBERS  | C. SCIENTI<br>TECHNICAL<br>PROGRAM<br>ADVISORY<br>MARITTEE ACT<br>DATES (Month. (   | E. BA       | PECENT<br>NG FISCAL YEA  | INGS MACHINES CONTINUES CONTINUES COURRENT (ACTUAL 316,9   | Describe  Describe | in "Remarks")  |  |
| A. PERSONNE  A. PERSONNE  A. PERSONNE  B. TRAVEL   | OMMITTEE<br>OF<br>17.<br>DSED<br>5 | SEE ATTA  NUMBER OF MEI C. PARTIALLY CLOS  13  OLE GOLLETS. (DO N  18. DE  (1) NON-FEDERAL  (2) FEDERAL MEI (3) FEDERAL MEI (1) NON-FEDERA (2) FEDERAL MEI (3) FEDERAL STA  | SECTINGS SECTION  AL MEMBERS MBERS (Prorated CONSULTAN AL MEMBERS MBERS AFF  | C. SCIENTI<br>TECHNICAL<br>PROGRAM<br>ADVISORY<br>MMITTEE ACT<br>ATES (Month, of<br>ATES (Month, | E. BA       | PECENT<br>NG FISCAL YEA  | INGS GAGON  INGS GAGON  CONTINUES CONTINUES CONTINUES CALLY  (Actual 316,9  1,353,7  41,2  155,8   9,1 | DESCRIBE   | m "Remarks")  in "Rem |  |
| A. PERSONNE PAYMENT  B. TRAVEL AND PER DIEM  | DEL S                              | SEE ATTI  NUMBER OF MEI  C. PARTIALLY CLOS  13  OLE GOLLERS. (DO N  18. DE  (1) NON-FEDERAL  (2) FEDERAL MEI  (3) FEDERAL MEI  (4) NONMEMBER  (1) NON-FEDERAL  (2) FEDERAL MEI  (3) FEDERAL MEI  (4) NONMEMBER  (1) NON-FEDERAL  (2) FEDERAL MEI  (3) FEDERAL MEI  (4) NONMEMBER  (4) NONMEMBER  (5) FEDERAL STA  | SECTION AL MEMBERS (Propage (P | C. SCIENTI<br>TECHNICAL<br>PROGRAM<br>ADVISORY<br>MMITTEE ACT<br>OATES (MONTH, 19<br>AL (A · B · C)<br>ON D — CO<br>Imais, K, M, 19<br>aled salary)<br>of salary)   | E. BA       | PECENT<br>NG FISCAL YEA  | INGS MACH  | th. days  Describe  Policable VI EAR 10 148  | f. OTHER (Specify)  in "Remarks")  NEXT (ESTIMATE)  367,625  1,425,303  101,683  |  |
| A. PERSONNE PAYMENT  B. TRAVEL AND PER DIEM  | DEL S                              | SEE ATTI  NUMBER OF MEI  C. PARTIALLY CLOS  13  OLE GOLLERS. (DO N  18. DE  (1) NON-FEDERAL  (2) FEDERAL MEI  (3) FEDERAL MEI  (4) NONMEMBER  (1) NON-FEDERAL  (2) FEDERAL MEI  (3) FEDERAL MEI  (4) NONMEMBER  (1) NON-FEDERAL  (2) FEDERAL MEI  (3) FEDERAL MEI  (4) NONMEMBER  (4) NONMEMBER  (5) FEDERAL STA  | SECTION AL MEMBERS (Propage (P | C. SCIENTI<br>TECHNICAL<br>PROGRAM<br>ADVISORY<br>MMITTEE ACT<br>OATES (MONTH, 19<br>AL (A · B · C)<br>ON D — CO<br>Imais, K, M, 19<br>aled salary)<br>of salary)   | E. BA       | PECENT<br>NG FISCAL YEA  | INGS GAGON  INGS GAGON  CONTINUES CONTINUES CONTINUES CALLY  (Actual 316,9  1,353,7  41,2  155,8   9,1 | th. days  Describe  Policable VI EAR 10 148  | F. OTHER (Specify)  In "Remarks")  I. NEXT (Estimate)  9 367,625  1,425,303  101,683  190,350  9,400   |  |
| A. PERSONNE  A. PERSONNE  A. PERSONNE  B. TRAVEL  AND  | DEL S                              | SEE ATTI  NUMBER OF MEI  C. PARTIALLY CLOS  13  OLE GOLLERS. (DO N  18. DE  (1) NON-FEDERAL  (2) FEDERAL MEI  (3) FEDERAL MEI  (4) NONMEMBER  (1) NON-FEDERAL  (2) FEDERAL MEI  (3) FEDERAL MEI  (4) NONMEMBER  (1) NON-FEDERAL  (2) FEDERAL MEI  (3) FEDERAL MEI  (4) NONMEMBER  (4) NONMEMBER  (5) FEDERAL STA  | SECTION AL MEMBERS (Propage (P | C. SCIENTI<br>TECHNICAL<br>PROGRAM<br>ADVISORY<br>MMITTEE ACT<br>OATES (MONTH, 19<br>AL (A · B · C)<br>ON D — CO<br>Imais, K, M, 19<br>aled salary)<br>of salary)   | E. BA       | TES OF ALL MEET  TES OF ALL MEET  TES OF OTHER AND  ST  Blank, Indicate  | INGS MACH  | DESCRIBE   | in "Remarks")  In "Re |  |

| SECTION E - COMMITTEE ACCOMPLISHMENTS AND JUSTIFICA (Complete this section ONLY for committees where items 4 "NO", 8A "NO", and 9A   |                                   |
|--|-----------------------------------|
| TOA. DESCRIBE HOW THE COMMITTEE ACCOMPLISHES ITS PURPOSE BY SHOWING THE EFFECT OF COMMITTEE ON AGENCY OPERATIONS. BE AS SPECIFIC AS POSSIBLE AND INCLUDE WORKLOAD INDICATORS AS APPR | REPORTS. ADVICE. OR RECOMMENDATIO |
|  |                                   |
| SEE ATTACHED   |                                   |
|  |                                   |
|  |                                   |
| 208. DESCRIBE THE BALANCE OF MEMBERSHIP IN TERMS OF POINTS OF VIEW REPRESENTED AND FUNCTIONS P   | ERFORMED.                         |
| SEE ATTACHED   |                                   |
| oce attached   |                                   |
|  |                                   |
|  |                                   |
| 260. DESCRIBE THE FREQUENCY OF MEETINGS AND THE RELEVANCE TO CONTINUING THE COMMITTEE.   |                                   |
| SEE ATTACHED   |                                   |
|  |                                   |
|  |                                   |
|  |                                   |
| 200. EXPLAIN WHY THE ADVICE OR INFORMATION CANNOT BE OBTAINED FROM OTHER SOURCES.  |                                   |
| SEE ATTACHED   |                                   |
|  |                                   |
|  |                                   |
|  |                                   |
| 206. IF APPLICABLE, EXPLAIN WHY IT WAS NECESSARY TO CLOSE AND/OR PARTIALLY CLOSE COMMITTEE M   | EETINGS.                          |
| SEE ATTACHED :   |                                   |
|  |                                   |
|  |                                   |
|  |                                   |
| SECTION F - REMARKS  |                                   |

NRC Advisory Committee on Reactor Safeguards

SECTION C 16B.

| Report Title  | Date  |
|---|-------|
| 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-<br>Temperature Gas Cooled Reactor   | 10/13 |
| Licensing of all Chemical Isotope Enrichment, Inc. Facilities   | 10/13 |
| Safety Evaluation Report for the "Power Reactor Inherently<br>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<br>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 |

| Report Title   | Date  |
|--|-------|
| 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<br>Requirements for Protection Against Pressurized Thermal Shock<br>Events"  | 04/11 |
| Proposed Resolution of Generic Issue 115, "Enhancement of<br>Reliability of Westinghouse Solid State Protection Systems"   | 04/11 |
| Proposed Resolution of Generic Issue 82, "Beyond Design Basis<br>Accidents in Spent Fuel Pools"  | 04/11 |
| Proposed Final Rulemaking Related to Maintenance of Nuclear<br>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 |

| Report Title  | Date  |
|---|-------|
| USI A-17, "Systems Interactions in Nuclear Power Plants"  | 06/13 |
| Proposed Generic Letter Regarding Service Water System Problems<br>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<br>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<br>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<br>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)

(2)

(2)

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

### Subcommittee Meetings

SECTION E

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

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.

NRC Advisory Committee on Reactor Safeguards

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.

NRC Advisory Committee on Reactor Safeguards

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"
- Oraft 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 208.

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 view-points 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. — The Commission necessarily has its own

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.

| -   | JAL ADVISORY COMMITTEE MEMBERSHIP LIST   | INTERAGENCY REPORTS CONTROL NO |
|-----|--|--------------------------------|
|     | List members directly on this form, or atlach agency list containing requie. COMMITTEE OR SUBCOMMITTEE (Full name, as chartered) | 0-01 to 9-30),<br>ested date.  |
| NRC | Advisory Committee on Reactor Safeguards   | 1989                           |

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

| (NOTE: Indicate chairperson | MBERS SERVING DURING FISCAL YEAR n(s) by placing an asterisk (*) to the left of name.)    |
|-----------------------------|---|
| MEMBER NAME                 | OCCUPATION (OR AFFILIATION)   |
| Carroll, James C. Mr.       | Pacific Gas & Electric  |
| Catton, Ivan Dr.            | Professor of Engineering, Dept. of Mechanical,<br>Aerospace and Nuclear Engineering, UCLA |
| Kerr, William Dr.           | University of Michigan  |
| Lewis, Harold W. Dr.        | Professor of Physics, Department of Physics<br>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<br>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<br>& Co., Savannah River Laboratory      |
| Wylie, Charles J. Mr.       | Retired Chief Engineer, Electric Division, Duke<br>Power Company                          |
|                             |   |
|                             |   |
|                             |   |
|                             |   |
|                             |   |

Advisory Committee on Reactor Safeguards

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

Occupational Code: 05 10 Number of Members: 9 1

Advisory Committee on Reactor Safeguards

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

Industry Code: 01 02 03Number of Members: 1 02 03

| ANNUAL REPOR              |   | FEDERAL ADV                                |                               |  |                         | Y REPORTS CONTROL            |
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| Advisor                   | ry Committee on the                                   | Medical Uses o                             | f Isotope                     | 25   |                         |                              |
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| cite U.S.C.)              | NT AUTHORITY (II by law.                              | 13. EFFECTIVE D                            | ATE OF                        | 4. COMMITTEE TYPE (  | Check EITHER            | A or B. and C. if            |
| 42 U.                     |   | ao montre                                  |                               | appropriate)   |                         |                              |
| Sec 2                     |   | July 19                                    | 58                            | A. AD HOC X  | B. CONTINUI             | G C. PRESIDENT               |
| A. NATIONAL               |   | C. SCIENTI                                 | IC/                           |  |                         |                              |
| POLICY/ISSUE              | B. NON-SCIENTIFIC                                     | PROGRAM                                    | _                             | D. GRANT F   | PEGULATORY              | F. OTHER                     |
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| DESCRIBE THE BALANCE OF MEMBER   | SHIP IN TERMS OF POINTS OF VIEW REPRESENTED AND FUNCTIONS PERFORMED.   |
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| THE PRECIDENCY OF MEETIN         | OS AND THE RELEVANCE TO CONTINUING THE COMMITTEE.  |
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| EXPLAIN WHY THE ADVICE OR INFORM | MATION CANNOT BE OBTAINED FROM OTHER SOURCES.  |
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| APPLICABLE, EXPLAIN WHY IT WAS   | NECESSARY TO CLOSE AND/OR PARTIALLY CLOSE COMMITTEE MEETINGS.  |
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|                                  |  |
|                                  | SECTION F - REMARKS  |
| MARKS                            | TEOTION F - REMARKS  |

# 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. DEFARTMENT OR AGENCY 2. COMMITTEE OR SUBCOMMITTEE (Full name, as chartered) 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

| 6. LIST OF INOTE: Indicate chairper | MEMBERS SERVING DURING FISCAL YEAR son(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  |
|                                     |  |
|                                     |  |

# 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.

| INSTRUCTIONS: Complet   | REVIEW OF   | FEDERAL ADV  | ISORY CO                                | MMITTEE   | IN.   |                           | REPORTS CONTROL N  |
|---|---|--|---|---|---|---------------------------|--|
| numerals (Month, day, ye  | e one form for EACH comer). If additional space is no   | nmittee existing an<br>ecessary, use Sect  | y time during                           | the fiscal                                      | vear (10-0  | 1 10 9-3                  | 30). Cite ALL detes  |
| NRC NRC   |   |  |   |   |   | 2. 1                      | SCAL YEAR  |
|   |   |  |   |   |   |                           | 89   |
|   | MATTEE (Full hame as chartered  |  |   | <del>*********</del>                            | 10  | بمواسيح                   |  |
| Advisory Pane   | el for the Decontami  | nation of TMI  | -2.01 111                               | n ell ine                                       | 9 443 п.  | ras mo.                   | a symmetrical contraction of the |
| . IS THIS COMMITTEE NEW   | N DURING FISCAL VEARS   | ECTION A - COM   |   |   |   |                           |  |
|   | . DONING FISCAL TEAK  | DATE   | HARTER DATE                             | DATE  | RENEWAL   | . EXPECTED                | TERMINATION DATE   |
| TYES X NO   |   | 11/28/8  | 8                                       |   |   | 11                        | /28/90   |
| FISCAL YEAR? (IT "YES"  | BEEN TERMINATED DURING , complete Items 88 and 80)  | B. SPECIFIC  | TERMINATION                             | AUTHORITY                                       | If by law, 8  | C. ACTUAL                 | TERMINATION DATE   |
|   |   |  |   |   |   |                           |  |
| YES X NO  |   |  |   |   |   | 124                       | <b>州</b>   |
| ADENCY RECOMMENDATION   | is checked, complete items<br>on for committee for NEXT   | FISCAL YEAR  |   | SLATION REC                                     |   | marks".                   | LEGISLATION  |
|   |   |  | TO ME                                   | RGE OR TERM                                     | INATE?  | PENDIN                    | G OR ENACTED?  |
| A. CONTINUE   | B. MERGE  | C. TERMINATE   | ☐ YES                                   | XX NO   | INC.  | TYES                      | NO NO  |
| 1. ESTABLISHMENT AUTHO  | SECTION   | B - COMMITTEE  | AUTHORITY                               | AND TYPE  |   |                           |  |
|   |   |  |   |   |   |                           |  |
| A. SPECIFICALLY DIRE  | CTED BY LAW TH. AU  | THORIZED BY LAW  | F7                                      | NCY AUTHOR!                                     |   |                           |  |
| 2. SPECIFIC ESTABLISHMEN  |   | 13. EFFECTIVE D  | ATE OF                                  |   |   | D. PRES                   | OF B. and C. IT  |
|   |   | AUTHORITY  |   | appropriate                                     | )   |                           |  |
| 42 U.S.C. Sec   |   | 10/1/80  |   | _ A. AD HO                                      | C 8. C  | ONTINUING                 | C. PRESIDENTIA   |
| A. NATIONAL   |   | C. SCIENTIF  | 10/                                     |   |   |                           |  |
| D POLICY/ISSUE  | B. NON-SCIENTIFIC   | PROGRAM  | _                                       | D. GRANT  | - E. REG  | ULATORY                   | F. OTHER   |
| L ADVISORY  | SECTION C -   | COMMITTEE ACT  |   | REVIEW  | LI NEGOT  | IATION                    | (Specify)  |
| BA. TOTAL NUMBER OF   | 168. LIST REPORT TITLES   | AND DATES (Month, &  | 6 y)                                    | G PISCAL 1                                      | EAH   |                           |  |
|   | (b) the 31 me of 1  |  |   |   |   |                           |  |
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|   |   | NONE "   | 100 1 21                                | 971 1291 (                                      | пь эттт   |                           |  |
|   |   | NONE " " "   | 100 1 21                                | err dag i d                                     | מוציוכ אח   |                           | ur an lun  |
|   | 17. NUMBER OF MEETINGS  | NONE "   |   |   |   | .10,                      |  |
|   |   |  |   | S OF ALL ME                                     | ETINGS (Mor   | in. day)                  | n  |
|   | 17. NUMBER OF MEETINGS  |  | E. DAYE                                 | 10/25,  | 2/16, 4   | 1/13, 9/                  | /21  |
| OPEN B. CLOSED  | 17. NUMBER OF MEETINGS  | . 101AL (A · B · C)  | E. DAYE                                 | S OF ALL ME                                     | 2/16, 4   | 1/13, 9/                  | /21  |
| OPEN B. CLOSED  | 17. NUMBER OF MEETINGS C. PARTIALLY CLOSED D.   | . 101AL (A · B · C)  | E. DATE                                 | 10/25   | 2/16, 4   | 1/13, 9/                  | /21  |
| B. CLOSED   | 17. NUMBER OF MEETINGS  C. PARTIALLY CLOSED D.  | 4 . TOTAL (A . B . C)  | F. DATE                                 | 10/25,  | ETINGS (MGF<br>2/16, 4  | 101. day)<br>4/13, 9/     | /21  |
| B. CLOSED   | 17. NUMBER OF MEETINGS C. PARTIALLY CLOSED D. O   | ECTION D - COM   | F. DATE                                 | 10/25,  | 2/16, 4<br>ACTIVITIES   | 1/13, 9/ (Describe in     | /21<br>  |
| B. CLOSED   | 17. NUMBER OF MEETINGS  C. PARTIALLY CLOSED D.  | ECTION D - COM   | F. DATE                                 | 10/25,  | 2/16, 4<br>ACTIVITIES   | (Describe in              | /21 -Remerks*) -Remerks*)  |
| B. CLOSED   | NOT DESCRIPTION   | ECTION D - CON  decimals, K, M, N  CN  BERS  | F. DATE                                 | 10/25,  | 2/16, 4<br>ACTIVITIES   | (Describe in              | /21 "Remarks")   |
| OTE: Express costs in A   | Nhole dollars. (DO NOT use  18. DESCRIPTION  (1) NON-FEDERAL MEMBERS  | ECTION D - COM  decimals, K, M, N  CN  BERS (Prorated salary)  | F. DATE                                 | 10/25,  | 2/16, 4<br>ACTIVITIES   | (Describe in              | /21 FISCAL YEAR (Estimate)   |
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| A. PERSONNEL PAYMENTS   | 17. NUMBER OF MEETINGS  C, PARTIALLY CLOSED  O  S  Nhole dollars. (DO NOT use  18. DESCRIPTION  (1) NON-FEDERAL MEMBERS  (2) FEDERAL MEMBERS  (3) FEDERAL STAFF (Pro  | ECTION D - CON  decimals, K, M, N  CN  BERS (Prorated salary)  prated salary)  | F. DATE                                 | 10/25,  | ETINGS (Mor<br>2/16, 4<br>ACTIVITIES<br>IE "O", II E<br>CURRE<br>FISCAL Y<br>(Actual<br>0<br>0<br>18,100.<br>0<br>1032.   | (Describe in              | /21  *Remerks*)  PISCAL YEAR (Estimate)  U  18700 000  |
| A. PERSONNEL PAYMENTS   | 17. NUMBER OF MEETINGS  C, PARTIALLY CLOSED  O  SMOOIS DOISES. (DO NOT USE  18. DESCRIPTION  (1) NON-FEDERAL MEMBERS  (3) FEDERAL STAFF (Pro  (4) NONMEMBER CONSUMI  (1) NON-FEDERAL MEMBERS  (2) FEDERAL MEMBERS  (3) FEDERAL MEMBERS  (3) FEDERAL MEMBERS  (3) FEDERAL STAFF  | ECTION D - COM  decimals, K, M, N  CN  BERS (Prorated salary)  prated salary)  LTANIS  BERS  | F. DATE                                 | 10/25,  | ETINGS (Mor<br>2/16, 4<br>ACTIVITIES  TO THE FISCAL Y (ACTUBLE)  0  18,100. 0  1032. 0  | (Describe in              | /21  FISCAL YEAR (Estimate)  U  187000   |
| A. PERSONNEL PAYMENTS  8. TRAVEL AND PER DIEM                         | 17. NUMBER OF MEETINGS  C. PARTIALLY CLOSED  O  SMOOIS CONTROL OF MEETINGS  18. DESCRIPTION  (1) NON-FEDERAL MEMBERS  (3) FEDERAL STAFF (Pro  (4) NONMEMBER CONSUMI  (1) NON-FEDERAL MEMBERS  (2) FEDERAL MEMBERS  (3) FEDERAL MEMBERS  (3) FEDERAL STAFF  (4) NONMEMBER CONSUMI  (4) NONMEMBER CONSUMI  (4) NONMEMBER CONSUMI  (4) NONMEMBER CONSUMI   | ECTION D - COM  decimals, K, M, N  CN  BERS (Prorated salary)  prated salary)  LTANTS  EERS  | F. DATE                                 | S OF ALL ME<br>10/25,<br>S OF OTHER             | ETINGS (Mor<br>2/16, 4<br>ACTIVITIES<br>IE "O", II E<br>CURRE<br>FISCAL Y<br>(Actual<br>0<br>0<br>18,100.<br>0<br>1032.   | (Describe in              | /21  FISCAL YEAR (Estimate)  U  18700  0  000  0  370  |
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| A. PERSONNEL PAYMENTS  8. TRAVEL AND PER DIEM                         | 17. NUMBER OF MEETINGS  C. PARTIALLY CLOSED  O  SMOOIS CONTROL OF MEETINGS  18. DESCRIPTION  (1) NON-FEDERAL MEMBERS  (3) FEDERAL STAFF (Pro  (4) NONMEMBER CONSUMI  (1) NON-FEDERAL MEMBERS  (2) FEDERAL MEMBERS  (3) FEDERAL MEMBERS  (3) FEDERAL STAFF  (4) NONMEMBER CONSUMI  (4) NONMEMBER CONSUMI  (4) NONMEMBER CONSUMI  (4) NONMEMBER CONSUMI   | ECTION D - COM  decimals, K, M, N  CN  BERS (Prorated salary)  prated salary)  LTANTS  EERS  | F. DATE                                 | S OF ALL ME<br>10/25,<br>S OF OTHER             | 2/16, 4 2/16, 4 ACTIVITIES  10 "0", if 0 CURREY FISCAL 10 0 0 18,100. 0 1032. 0 361. 0 4904   | (Describe in Opplicable). | /21  FISCAL YEAR (Estimate)  U  18700 0 000 0 370 0 5000   |
| A. PERSONNEL PAYMENTS  8. TRAVEL AND PER DIEM                         | 17. NUMBER OF MEETINGS  C. PARTIALLY CLOSED  O  SMOOIS CONTROL OF MEETINGS  18. DESCRIPTION  (1) NON-FEDERAL MEMBERS  (3) FEDERAL STAFF (Pro  (4) NONMEMBER CONSUMI  (1) NON-FEDERAL MEMBERS  (2) FEDERAL MEMBERS  (3) FEDERAL MEMBERS  (3) FEDERAL STAFF  (4) NONMEMBER CONSUMI  (4) NONMEMBER CONSUMI  (4) NONMEMBER CONSUMI  (4) NONMEMBER CONSUMI   | ECTION D - COM  decimals, K, M, N  CN  BERS (Prorated salary)  prated salary)  LTANTS  EERS  | E. DATE F. DATE MITTEE CO. /A, or leave | S OF ALL ME 10/25, S OF OTHER  ST DIENK, INDICE | 2/16, 4<br>2/16, 4<br>ACTIVITIES  10 "0", if 0  CURRELY (Actus 0 0 18,100. 0 1032. 0 361. 0   | (Describe in Opplicable). | FISCAL YEAR (Estimate)  U  18700  0  000  0  370  0  |
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CHARLET AND SHEET OF SHEET AND MINISTER AND

SECTION E - COMMITTEE ACCOMPLISHMENTS AND JUSTIFICATION

(Complete this section ONLY for committees where items 4 "NO", 84 "NO", and 84 "Continue" are checked)

204. 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 Castano effort.

208. 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.

FOC. 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.

The principal purpose of the Panel is to provide a formaffzed conduit to the NRC Commissioner informing them of the concerns of the local citizens regarding the TMI-2 cleanup effort. Thi 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

| NEVE (CLICK) | The state of the s | NTERAGENCY REPORTS CONTROL NO                |
|--------------|--|--|
|              | Complete one form for EACH committee existing any time during the fiscal year (10-<br>For Item 6, List members directly on this form, or attach agency list containing reques  OR AGENCY 2. COMMITTEE OR SUBCOMMITTEE (Full name, as chartered)  | 01 to 9-30).<br>led data.<br> S. FISCAL YEAR |
| NRC          | Advisory Panel for the Decontamination of TMI-2  | 89   |

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

| 6. LIST OF MEMI<br>(NOTE: Indicate chairperson(s | BERS SERVING DURING FISCAL YEAR  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  |
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| A. SPECIFIC ALLY DI  | MMITTEE (Full name as che Licensing Supple Licensing Supple Licensing Supple Licensing Supple Licensing Supple Licensing Supple Licensing Licensin | SECTION A - COMM    SECTION A - COMM   | RMINATION AUTHO               | ECTED RENEWAL  RITY (IF by law.  EXPINED  XPIANATE?                      | 8-4 8c. ACTUAL 8-4 Remarks*.                                | 1989 D TERMINATION DATE -89 L TERMINATION DATE -89   |  |
| 3. COMMITTEE OR SUBCO High Level Wast  4. IS THIS COMMITTEE N  PES XX NO  8A. HAS THIS COMMITTEE N  8A. HAS THIS COMMITTEE N  NOTE: IT DOX 9B OF 9  8. AGENCY RECOMMENDAT  NA  11. ESTABLISHMENT AUTH  12. SPECIFIC ESTABLISHMENT CITE U.S.C.)   | MMITTEE (Full name as che Licensing Supple Licensing Supple Licensing Supple Licensing Supple Licensing Supple Licensing Supple Licensing Licensin | SECTION A - COMM    SECTION A - COMM   | RMINATION AUTHO               | ECTED RENEWAL  RITY (IF by law.  EXPINED  XPIANATE?                      | 8-4<br>8c. ACTUAL<br>8-4<br>Remarks".<br>108. IS SUC<br>N/A | D TERMINATION DATE   |  |
| TIGH LEVEL WAST  | BEEN TERMINATED DURINGS", complete Items 8B and Berminated in FY C is checked, complete ION FOR COMMITTEE FOR B. MERGE  B. MERGE  SEC  ORITY (Check ONLY one)  | SECTION A - COMM    5. CURRENT CHA   5. CURRENT CHA   68. SPECIFIC TE   80   Charter   10ms 10A and 10B and   NEXT FISCAL YEAR   C. TERMINATE   TION B - COMMITTEE A | RMINATION AUTHO               | ECTED RENEWAL  RITY (IF by law.  EXPINED  XPIANATE?                      | 8-4<br>8c. ACTUAL<br>8-4<br>Remarks".<br>108. IS SUC<br>N/A | -89 -89 CH LEGISLATION   |  |
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| USNRC           | High Level Waste Licensing Support System Advisory   |                         |  |
| A. NAME. ORGANI | ZATIONAL TITLE, AND AGENCY ADDRESS OF DESIGNATED FEDERAL OFFICER:  | 1989                    |  |

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

| the it. marcate chairpi | F MEMBERS SERVING DURING FISCAL YEAR erson(s) by placing an asterisk (N) 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  |
| Silherg, Jay            | Attorney for EEI/UNWMG   |
| Olmstead William        | U.S. Nuclear Regulatory Commission   |
| Cameron, Francis C.     | U.S. Nuclear Regulatory Commission   |
| Bechtel, Dennis         | Clark County Las Vegas, Nevada   |
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GENERAL SERVICES ADMINISTRATION

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NRC Advisory Committee on Nuclear Waste

# SECTION C

16B.

| REPORT TITLE   | DATE  |
|--|-------|
| 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<br>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 urai um 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)
- Oraft 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 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.

NRC Advisory Committee on Nuclear Waste

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.

NRC Advisory Committee on Nuclear Waste

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.

|  | MUAL ADVISORY COMMIT  |  | O304-GSA-XX  |
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| Mr. Raymond F.<br>USNRC/ACNW<br>Washington, DC | Fraley, Executive Direct 20555  | ctor   |  |
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| Hinze, William J. Dr                           | , ,   | Professor, Department<br>Sciences, Purdue Unive                                    | of Earth and Atmospheric ersity                      |
| Moeller, Dade W. Dr.                           |   | Professor of Engineeri   | ing in Environmental Healt<br>th. Harvard University |
| Smith, Clifford V.                             | lr. Dr.   | Chancellor, University   | x of Wisconsin                                       |
| Steindler, Martin J.                           | Dr.   | Director, Chemical Tec<br>Argonne National Labor                                   | chrology Division                                    |
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Advisory Committee on Nuclear Waste

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Advisory Committee on Nuclear Waste

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| A HAS THIS CONCENTED ENTER TREMINATIO DURING FIRED AND THE FOR HEXT TISCAL VERY IT WES, complete imms as and SCI.    VES   |   |  | DATE   | HARTER PAIR  |   | L 7. EXPEC                  | TED TERMINATION DAT                     |  |
| A HAS THIS CORACTICLE BEEN THANNATION DURING    185  |   |  |  |              | 2/9/90                                      | Perpetual                   |   |  |
| OTHER TOOL BOT OF SCHOOL COMPUTER TOOL STORE TOOL STORE TOOL STORE TOOL STORE  | A. HAS THIS COMMITTEE                     | BEEN TERMINATED DURING<br>, complete items 88 and 8  |  | TERMINATION  |   | BC. ACTUAL TERMINATION DATE |   |  |
| TABLES THE CONTINUE B. MERCI C. TERMINATE OF MEXT PISCAL YEAR TO MERCI OF TERMINATE OF MEXAMENT AUTHORITY CHORS ONLY ORD C. SECTION B - COMMITTEE AUTHORITY AND TYPE    A. SPECIFICALLY DIRECTED BY LAW   B. AUTHORITY OF BY LAW   C. AP/NCY AUTHORITY   D. PRESIDENTIAL DIRECTED BY LAW   S. C. AP/NCY AUTHORITY   D. PRESIDENTIAL DIRECTED BY LAW   D. PRES | Name Carl                                 | is charked complete  | ame 100 and 100 a  |              |   |                             |   |  |
| SECTION B - COMMITTEE AUTHORITY AND TYPE    A. SPECIFICALLY DIRECTED BY LAW   B. AUTHORIZED BY LAW   C. APJACY AUTHORITY   D. PRESIDENTIAL DIRECTED BY LAW   D. PRESIDENTIAL DIR | AGENCY RECOMMENDATIO                      | ON FOR COMMITTEE FOR A   | EXT FISCAL YEAR  | 10A. IS LEG  | ISLATION REQUIRED                           | 10B. IS                     | SUCH LEGISLATION                        |  |
| SECTION B - COMMITTEE AUTHORITY AND TYPE    A. SPECIFICALLY DIRECTED BY LAW   S. AUTHORITY   D. PRESIDENTIAL DIRECTED BY LAW   D. PRESIDENTIAL DIRECTED BY LAW   S. AUTHORITY   D. PRESIDENTIAL DIRECTED BY LAW   D. PRESIDENTIAL D. PRESIDENTIAL DIRECTED BY LAW   D. PRESIDENTIAL D.   | A. CONTINUE                               | B. MERGE   | C. TERMINATE   | TYES         | NO NO                                       | T VE                        | [] NO 11/4                              |  |
| A SPECIFICALLY DIRECTED BY LAW B. AUTHORITY (Check CNLY one)  A SPECIFICALLY DIRECTED BY LAW B. AUTHORITY OF B. AUTHORITY DIRECTED BY LAW B. C. AC'NCY AUTHORITY DIRECTED BY L |   | SECTI  | ON B - COMMITTEE   | AUTHORITY    |   | T:7                         | U NO N/A                                |  |
| SECTION D - COMMITTEE COST    SECTION D - COMMITTEE COST   | REPORTS<br>2                              | 1. Second Repo<br>7, 1989)<br>2. Third Repor<br>1989)  | rt of the Nucle<br>t of the Nuclea   | r Safety     | Research Revie                              | w Comm                      | ittee (August 1                         |  |
| DESCRIPTION  18. DESCRIPTION  19. FEDERAL MEMBERS  18. 000  11. 000  11. 000  11. 000  11. 000  12. FEDERAL MEMBERS  18. 000  11. 000  11. 000  11. 000  12. FEDERAL MEMBERS  18. 000  11. 000  13. FEDERAL STAFF (Prorated salary)  (4) NONMEMBER CONSULTANTS  (1) NON-FEDERAL MEMBERS  (2) FEDERAL MEMBERS  (3) FEDERAL STAFF  (4) NONMEMBER CONSULTANTS  (3) FEDERAL STAFF  (4) NONMEMBER CONSULTANTS  (4) NONMEMBER CONSULTANTS  (5) TOTAL  18. 200  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)  | 5 0                                       | 0  | 5  | F. DAY       | के कि जामहर्मि कर गरे में ह                 | 5 (Descrit                  | e in Remarks                            |  |
| 18. DESCRIPTION  CURRENT FISCAL YEAR (Actual)  (1) NON-FEDERAL MEMBERS  A. PERSONNEL (2) FEDERAL MEMBERS (Prorated salary)  (3) FEDERAL STAFF (Prorated salary)  (4) NONMEMBER CONSULTANTS  (1) NON-FEDERAL MEMBERS  9,500  11,000  1,000 | DIE: Express costs in v                   | whole dollars. (DO NOT   | SECTION D - CON  | MITTEE CO    | ST ***                                      |                             |   |  |
| A. PERSONNEL PAYMENTS  (2) FEDERAL MEMBERS (2) FEDERAL MEMBERS (Proreted selary) (3) FEDERAL STAFF (Proreted selary) (4) NONMEMBER CONSULTANTS (2) FEDERAL MEMBERS (3) FEDERAL MEMBERS (4) NONMEMBER CONSULTANTS (2) FEDERAL MEMBERS (3) FEDERAL STAFF (4) NONMEMBER CONSULTANTS (3) FEDERAL STAFF (4) NONMEMBER CONSULTANTS (4) NONMEMBER CONSULTANTS (5) FEDERAL STAFF (6) NONMEMBER CONSULTANTS (700 2,000 COTHER (rents, user charges, graphics, printing, mailing, etc.))  D. TOTAL  18,200 \$24,000 CORRESPOND TO DOLLAR COST IN ITEM 18A(3), ABOVE)   |   |  |  | M, OF IBOYE  | CUR   | RENT                        |   |  |
| A. PERSONNEL PAYMENTS  (2) FEDERAL MEMBERS (Prorated salary) (3) FEDERAL STAFF (Prorated salary) (4) NONMEMBER CONSULTANTS  (1) NON-FEDERAL MEMBERS (1) NON-FEDERAL MEMBERS (1) NON-FEDERAL MEMBERS (2) FEDERAL MEMBERS (3) FEDERAL STAFF (4) NONMEMBER CONSULTANTS (3) FEDERAL STAFF (4) NONMEMBER CONSULTANTS (4) NONMEMBER CONSULTANTS (5) FEDERAL STAFF (4) NONMEMBER CONSULTANTS (5) TOTAL  D. TOTAL  18,200  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)  |   | 18. DESCR  | IPTION   |              | FISCAL                                      | YEAR                        | FISCAL YEAR                             |  |
| A. PERSONNEL PAYMENTS  (2) FEDERAL MEMBERS (Prorated salary) (3) FEDERAL STAFF (Prorated salary) (4) NONMEMBER CONSULTANTS  (1) NON-FEDERAL MEMBERS (2) FEDERAL MEMBERS (3) FEDERAL STAFF (4) NONMEMBER CONSULTANTS  OTHER (rents, user charges, graphics, printing, mailing, etc.)  D. TOTAL  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) NON-FEDERAL M  | EMBERS   |              |   |                             | \$ 11,000                               |  |
| (4) NONMEMBER CONSULTANTS  (1) NON-FEDERAL MEMBERS (2) FEDERAL MEMBERS (3) FEDERAL STAFF (4) NONMEMBER CONSULTANTS (4) NONMEMBER CONSULTANTS (4) NONMEMBER CONSULTANTS (5) FOR 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)   |   | Property and the control of the party of the control of the contro |  |              |   |                             | 1                                       |  |
| B. TRAVEL AND PER DIEM  (1) NON-FEDERAL MEMBERS (2) FEDERAL STAFF (3) FEDERAL STAFF (4) NONMEMBER CONSULTANTS  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 COLLAR COST IN ITEM 18A(3), ABOVE.)  | PAYMENTS                                  | (3) FEDERAL STAFF (Prorated salary)  |  |              |   |                             |   |  |
| B. TRAVEL AND PER DIEM  (3) FEDERAL STAFF  (4) NONMEMBER CONSULTANTS  OTHER (rents, user charges, graphics, printing, mailing, etc.)  D. TOTAL  18,200  19. FEDERAL STAFF SUPPORT YEARS  (XPRESS IN FULL-TIME EDUIVALENT (FTE) YEARS USING DECIMAL TO THE NEAREST TENTH (e.g. 0.0).  FIGURE SHOULD CORRESPOND TO DOLLAR COST IN ITEM 18A(3), ABOVE.)   | ****                                      | THE R. P. LEWIS CO., LANSING, MICHIGAN PRINCIPLE STREET, MICHIGAN STREET,  | THE RESIDENCE OF THE PARTY OF T |              |   |                             | *************************************** |  |
| AND PER DIEM  (2) FEDERAL MEMBERS  (3) FEDERAL STAFF  (4) NONMEMBER CONSULTANTS  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)   | D TOANE                                   |  |  | 9,50         | 00  | 11,000                      |   |  |
| PER DIEM  (3) FEDERAL STAFF  (4) NONMEMBER CONSULTANTS  700  2,000  THER (rents, user charges, graphics, printing, mailing, etc.)  D. TOTAL  18,200  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.)  |   | Production and the Contract of |  |              |   |                             |   |  |
| OTHER (rents, user charges, graphics, printing, mailing, etc.)  D. TOTAL  18,200  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)  |   | (3) FEDERAL STAFF  |  |              |   |                             |   |  |
| 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)  |   |  |  | 7(           | 00  | 2,000                       |   |  |
| 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)   | Direct Vents, user cha                    | ryes, graphics, printing,  | mailing, etc.)   |              |   |                             |   |  |
| 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)  |   |  |  | D. TOTAL     | ▶ 18,20                                     | 00                          | \$ 24,000                               |  |
| NEAR ASSURE AND TOWN AND THE REAL PROPERTY A | EXPRESS IN FULL-TIME ED                   | UIVALENT (FTE) YEARS USIN  | G DECIMAL TO THE NEAD  | REST TENTH ( | 0.00.                                       |                             |   |  |
| NERAL SERVICES ADMINISTRATION GSA FORM T-820-H (DEV  |   |  |  |              |   | A                           | T-920-11                                |  |

GSA FORM T-820-H (REV. 7-89

### SECTION E - COMMITTEE ACCOMPLISHMENTS AND JUSTIFICATION

(Complete this section ONLY for committees where items 4 "NO", 84 "NO", and 94 "Continue" are checked)

204. 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 surgices to RES. RES has also taken steps to expand and improve university involvement in its research activities.

208. 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.

200. 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.

200. 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.

ZOE. 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.

T. DEPARTMENT OR AGENCY 2. COMMITTEE OF SUBCOMMITTEE (Full name, as chartered) Nuclear Regulatory

Nuclear Safety Research Review Committee

S. FISCAL YEAR 1989

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

Commission

| (NOTE: Indicate chairperson       | MBERS SERVING DURING FISCAL YEAR  n(s) by placing an asierisk (*) 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<br>Electric Power Company)                |
| Dr. M. L. Shoaf (resigned member) | Princeton University  |
| Dr. N. K. Gupta (resigned member) | Integrated Systems, Inc.  |
|                                   |   |
|                                   |   |

| ANNUAL REPORT  | REVIEW   | OF FEDERAL AD  | VISORY COL   | MMITTEE  | The second second | 304-GSA-XX                |
|--|--|--|--|--|-------------------|---------------------------|
| INSTRUCTIONS: Completinumerals (Month, day, you        | e one form for EACH<br>par). If additional space i   | committee existing a<br>s necessary, use Sec   | tion F. "Reman   | the fiscal year (90 cs" on the reverse.  | -01 10 9          | -30). Cite ALL dat        |
|  |  |  |  |  | 2                 | FISCAL YEAR               |
| U.S. Nuclear Regulatory Commission                     |  |  |  | 1989   |                   |                           |
|  | AMITTEE (Full name as char   |  |  |  |                   |                           |
| Special Commite  | ee to Review the   | Severe Accident  | Risks Rep  | ort  |                   |                           |
|  |  | SECTION A - CO   |  |  |                   |                           |
| 4. IS THIS COMMITTEE NE                                | W DURING FISCAL YEAR?  | DATE   | CHARTER DATE   | DATE RENEWA  | L 7. EXPECT       | TED TERMINATION DA        |
| YES NO   |  |  | 6, 1989  | None   |                   | 16, 1990                  |
|  | BEEN TERMINATED DURING   | BC) BB. SPECIFIC   | TERMINATION CO   | AUTHORITY (If by law   | . BC. ACTU        | AL TERMINATION DAT        |
| T YES TO NO  |  | NA   |  |  | NA NA             |                           |
|  | is checked, complete i   |  | A STATE OF THE PARTY OF THE PAR | the same and the same of the s | "Remarks".        |                           |
| AGENCY RECOMMENDAT                                     | ION FOR COMMITTEE FOR  | NEXT FISCAL YEAR   |  | GE OR TERMINATE?   | 108. 18 S         | DING OR ENACTED?          |
| A. CONTINUE  | B. MERGE   | X C. TERMINATE   | ☐ YES  | ⊠ NO   | ☐ YES             | □ NO NA                   |
| 11. ESTABLISHMENT AUTHO                                |  | ION B - COMMITTE   | E AUTHORITY  | AND TYPE   |                   |                           |
| BA. TOTAL NUMBER OF REPORTS  None  OPEN B. CLOSED  2 0 | None  17. NUMBER OF MEETING  | C - COMMITTEE ACLES AND DATES (Month.  | TIVITY DURIN   | S OF ALL MEETINGS  | 89 , Se           | ot. 13-14, 198            |
|  |  |  | Non  | 9  |                   |                           |
|  |  | SECTION D - CO   |  |  |                   |                           |
| NOTE: Express costs in                                 | whole dollars. (DD NOT   | use decimals, K, M,  | N/A, or leave  | THE RESIDENCE OF THE PARTY OF T | IT applicab       |                           |
|  | 18. DESC   | RIPTION  |  | FISCA  | ctual)            | FISCAL YEAR<br>(Estimate) |
|  | The state of the s |  |  | • None   |                   | • None                    |
| A. PERSONNEL PAYMENTS                                  | (2) FEDERAL MEMBERS (Prorated salary) (3) FEDERAL STAFF (Prorated salary)  |  |  | 10,0   | 00                | 10,000                    |
|  | (4) NONMEMBER CONSULTANTS  |  | Carrie Marie   |  | 10,000            |                           |
| B. TRAVEL  | (1) NON-FEDERAL MEMBERS (2) FEDERAL MEMBERS  |  | 65,0   | 00   | 70,000            |                           |
| AND<br>PER DIEM  | (3) FEDERAL STAFF  |  | 5,0  | 00   | 5,000             |                           |
|  | (4) NONMEMBER CC   | PERSONAL PROPERTY AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE P |  |  |                   |                           |
| . DINER (rents, user c                                 | harges, graphics, printing,  | mailing, etc.)   |  | 20,0   | 00                | 20,000                    |
|  |  | Account to American American   | D. TOTAL   | \$100,0  | 00                | • 105,000                 |
| EXPRESS IN FULL-TIME                                   | 19. FEDERAL STAFF EQUIVALENT (FTE) YEARS US  | ING DECIMAL TO THE N   | EAREST TENTH (   | g. 0.0).   |                   |                           |

### SECTION E - COMMITTEE ACCOMPLISHMENTS AND JUSTIFICATION

[Complete this section ONLY for committees where items 4 "NO", 84 "NO", and 94 "Continue" are checked)

204. 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.

### 208. 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 aboratory points of view.

### 200. DESCRIBE THE FREQUENCY OF MEETINGS AND THE RELEVANCE TO CONTINUING THE COMMITTEE.

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

### 200. 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 adivsory 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 | 2. COMMITTEE OR SUBCOMMITTEE (Full name, as chartered)

3. FISCAL YEAR

U.S. Nuclear

Regulatory Commission Special Committee to Review Severe Accident Risk Report A NAME, ORGANIZATIONAL TITLE, AND AGENCY ADDRESS OF DESIGNATED FEDERAL OFFICER:

1989

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

| 6. LIST OF               | MEMBERS SERVING DURING FISCAL YEAR irson(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. Germa   |
| 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. Kastenberg       | University of claifornia, Los Angeles  |
| Dr. Leo LeSage           | Argonne National Laboratory  |
| Dr. Norman Rasmusen      | Massachusetts Institute of Technology  |
| Dr. John Taylor          | Electric Power Research Institute  |
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