

Decommissioning, Decontamination and Reutilization Division

Objectives

The overall objectives of the Decommissioning, Decontamination & Reutilization Division (DD&R, the Division) shall be consistent with the objectives of the American Nuclear Society (ANS, the Society), as set forth in its Certificate of Incorporation and in Article B2 of its Bylaws and Rules; namely, "the advancement of science and engineering relating to the atomic nucleus, and of allied sciences and arts."

The Division shall devote itself specifically to:

- The close coordination with other ANS Divisions that include some of the topics covered by the DD&R Bylaws (Article 2, Objectives, Section 1.b) to avoid conflicts or overlaps between meetings, and to encourage co-sponsorship of appropriate sessions and topical meetings.
- The advancement of the technology used to decommission, decontaminate and reutilize former nuclear installations, facilities, and sites including:

Development and use of new and improved technology; development of new engineering practices; planning; cost estimating; allocation of funding; review and input to applicable environmental compliance issues including site restoration and applicable waste management issues including mixed waste (radioactive and hazardous waste); transportation; preparation of standards and policy statements; and closely related activities, such as nuclear accountability, liabilities, safeguards, licensing and regulations.

- The organized involvement of Division members and ANS sections for participation in ANS sponsored sessions, topical meetings, workshops, and forums on DD&R topics, including the heightened involvement of international affiliated nuclear societies.
- The dissemination of information about decommissioning, decontamination and reutilization technology, policies, and trends, and assist in the integration and utilization of this information in cooperation with other interested industry groups and divisions of the Society
- Other activities that may be appropriate for the fulfillment of the objectives of the Division.

To further its objectives as stated in Article B2, the Division shall:

- Hold and sponsor local, regional, and national meetings, including the sponsorship of international meetings, in accordance with the stated policy of the Society for the presentation and discussion of professional papers relating to decommissioning, decontamination and reutilization of nuclear installations.
- Enhance knowledge and disseminate information in the decommissioning, decontamination, and reutilization fields by discussions, communications, and the presentation of papers.
- Encourage the formation of closer professional and personal relations among the members.
- Cooperate with other scientific and professional groups having related objectives.
- Assist the public in becoming better informed on the decommissioning, decontamination, and reutilization of nuclear and associated installations.

To accomplish these objectives, DD&R actions are planned in support of the Division members, the American Nuclear Society as a whole, and the general public. Each year this plan will be updated as appropriate at the winter DD&R Executive Committee meeting. (Action - Vice Chairperson)

Goals and Actions

Plans for Members

"To increase the effectiveness of the Division in serving the professional needs of its members in the areas of decommissioning, decontamination, and reutilization technology."

- 1.1 Improve the professional environment by providing opportunities and encouraging more members to become involved in Division activities. Encourage communication between technologists,

- managers, and the public. (Action: Executive Committee)(Action: Executive Committee)
- 1.2. Involve new members at each conference as session chair or co-chairpersons to the extent practical who have not previously served in this position. In cases where sessions have been sponsored by more than one division, include selection support from the other groups. (Action: Program Chairpersons/Division Representative)
 - 1.3. Provide a spectrum of candidates for the DD&R Executive Committee openings that assure continued appropriate representation on the Committee for the range of technical interests, organizational entities and geographical regions of the membership. The goal is to ensure that the DD&R Executive Committee reflects a balance between Commercial and DOE D&D professionals. (Action: Nominating Committee)
 - 1.4. Encourage the expansion of and increase the effectiveness of foreign participation and support Division conferences and activities. (Action: Program Committee)
 - 1.5 Increase Division participation in the ANS by recommending well qualified candidates for national committee assignments. (Action: Division Chairperson and Executive Committee)
 - 1.6. Continue to improve the quality of Division conferences and publications in the dissemination of information. Support a reduction in number but an improvement in the quality of the Division's Topical Meetings (Action: Program Committee)
 - 1.7. By January of each year, review and revise as appropriate the DD&R Program Committee Operating Procedure. (Action: Program Chairperson for the preceding year)
 - 1.8. Improve the quality of paper presentations by selecting papers on a more systematic basis and providing the authors better guidance on how to present papers and how to relay technical data to an audience potentially unfamiliar with DD&R technology. Establish procedures to recognize the submission of exceptional papers. (Action: Program Committee)
 - 1.9. Increase the effectiveness of professional subcommittees to the DD&R Executive Committee in the dissemination of relevant Division technologies to other related divisions. Specifically, consider the promotion and effective use of Technical Operating Committees (TOCs) within the DD&R Program Committee for the benefit of the Division members. (Action: Executive Committee)
 - 1.10. Investigate the cost of providing Division Topical Meeting Proceedings to members while retaining or improving quality. Investigate the use of other media, such as CD ROMS, to document all past proceedings of the Division and to initiate a periodic update of all future proceedings for the benefit of all Society members. (Action: DD&R Publications Committee)
 - 1.11. Sponsor and co-sponsor topical meetings at appropriate intervals and on timely subjects. The DD&R Division will sponsor a stand-alone DD&R Topical Meeting in the Fall of odd numbered years and co-sponsor Spectrum in the even numbered years. (Action: Program Committee)
 - 1.12. Continue to improve the effectiveness of communications with Division members regarding the activities of the Division and its membership. Encourage member participation in Executive Committee meetings. (Action: Executive Committee)
 - 1.13. Continue to issue the Division newsletter (biannually as a minimum) to assist in keeping members informed on DD&R activities. Use the newsletter as a means of encouraging Division members to attend the Executive Committee meetings and actively participate in all DD&R activities. The newsletter will normally be distributed three weeks before each National Meeting. (Action: Newsletter Committee)
 - 1.14. Identify and provide appropriate recognition for outstanding accomplishments by DD&R members in Division-related activities. (Action: Honors and Awards Committee)
 - 1.15 Provide a Best Paper Award for excellence at each conference. A best paper award will be selected at each National and Topical Meeting and presented at an appropriate forum during the following meeting. (Action: Honors and Awards Committee)
 - 1.16. Nominate deserving members as fellows of ANS and for other ANS and professional awards and honors. Emphasis should be placed on nominations of qualified Division members to fellow grade in the ANS. (Action: Honors and Awards Committee)

2. Plans for the Society

"To increase the effectiveness of the DD&R in supporting the Society as a whole in the achievement of its goals and objectives."

- 2.1. Continue to integrate Division activities with those of the Society where beneficial. (Action: Executive Committee)
- 2.2 Participate in both the winter and annual ANS meetings. (Action: Executive Committee)

- 2.3. Develop effective liaison links with other appropriate ANS divisions and related professional organizations through subcommittees of the DD&R Executive Committee. (Action: Committee Chairpersons)
- 2.4. Continue to improve the effectiveness of Division support for Society activities and goals. (Action: Executive Committee)
- 2.5. Increase the number of Division members on ANS national committees in equal or greater proportion to the ratio of DD&R to ANS total membership by 2003. (Action: DD&R Chairperson and Executive Committee)
- 2.6. Provide support as appropriate to the efforts of the ANS Public Policy Committee. (Action: Publicity Committee)
- 2.7. Continue to increase Division membership consistent with the overall membership goals of the Society, with a minimum total membership increase of at least 15% by 2003 (1200 members). Include member involvement by individuals and organizations involved in all aspects of decommissioning, decontamination, and reutilization that should include representation from industrial, governmental, regulatory, and university entities. (Action: Executive Committee and Membership Committee)
- 2.8. Assure that DD&R financial actions, including budget submittals, are conducted in a timely manner which meets both Society and Division requirements and at the same time assures a healthy fiscal position for the Division. (Action: DD&R Treasurer)
- 2.9. Continue to improve the effectiveness of DD&R support and interaction with other ANS divisions and sections. (Action: Executive Committee)
- 2.10. Expand and improve the effectiveness of sessions jointly sponsored with other divisions at ANS meetings. (Action: Program Committee)
- 2.11. Establish a group of speakers for participation in local ANS section meetings and encourage DD&R member participation in local chapters. (Action: DD&R Chairperson and Executive Committee)
- 2.12. Assist in the development of guides and standards relating to decommissioning , decontamination, and reutilization management. (Action: Executive Committee and Standards Committee)
- 2.13. Provide student support for student attendance at ANS meetings and for student branches of the ANS as approved by the Executive Committee. (Action: DD&R Executive Committee and Membership Committee)
- 2.14. The use of funds that are accumulated from topicals and other income should be expended widely to support the Division's objectives. (Action: Executive Committee and Treasurer)

3. Plans for the Public

" To increase the effectiveness of communications with other societies, industry, universities, and the general public on matters pertaining to the Division."

- 3.1. Improve the transfer of Division technology to and from other societies, industry, universities, and the general public by encouraging publication in technical magazines, joint sponsorship of meetings with other societies, dissemination of a Division brochure and formation of a national speaker's bureau. (Action: Executive Committee)
- 3.2. Increase the participation of industry and other societies in DD&R activities via solicitation of technical papers, joint sponsorship of meetings, and membership in the Division. (Action: Program and Membership Committees)
- 3.3. Encourage and increase student participation at the undergraduate and graduate level in Division related technologies and in DD&R sponsored technical meetings. (Action: Executive and Membership Committees)
- 3.4. Disseminate information of Division technologies to the public and decision-makers as related to current issues and policy matters, in concert with the ANS Public Policy Committee. (Action: Executive and Publicity Committees/Division Chairperson)

Trend Analysis

1. Personnel shortages in the decommissioning, decontamination, and reutilization arena will persist for years to come as a growing number of commercial reactors are decommissioned.
2. Decommissioning, decontamination, and reutilization activities will require a major part of DOE/DOD budgets for the next 20-30 years.
3. Decommissioning, decontamination, and reutilization activities will play a major role in commercial

- power planning and generation as electricity deregulation continues.
4. ANS should be recognized for taking a leadership role in enabling new and innovative concepts for decommissioning, decontamination, and reutilization technologies to be developed.
 5. Development of new/innovative cleanup technologies will continue as a major trend at national laboratories.
 6. Power plant life extension and re-licensing efforts will continue over the next decade.
 7. There will be an increasing push for foreign technology cooperation.
 8. The number of nuclear engineering departments in U.S. universities will continue to decrease in the next 5 years.
 9. Competition for ANS membership from other societies will intensify.
 10. Re-energization of membership requires a rewarding relationship with the Division.
 11. Membership in the Division has increased by 17% in the past year, with a total of 1074 members as of January 1998, of which approximately 4% are from outside the U.S. However, general society membership has declined from Spring 1993 to Spring 1997.
 12. The cost-benefit ratio of decommissioning, decontamination, and reutilization activities is in need of improvement.

Resource Requirements

The resource requirements of the Division include substantial membership participation as well as funding. Successful membership participation requires an efficient use of donated time that is best achieved through the proper management of the Division through its Committee structure.

The funding needs of the Division are largely met through the sponsorship of topical meetings each year at different locations within the U.S. Additional income is obtained from the ANS membership fee of the Division members.