

# DD&R Newsletter

## Spring 2009

Decommissioning, Decontamination, and Reutilization Division  
of the American Nuclear Society



### Message from the Chair - John E Gunning

As I mentioned in the Chair's Message on our DD&R website, the successful program of nuclear reactor life extension has thankfully ended the era of decommissioning useful power reactors. However, there is still plenty of significant D&D and nuclear facility environmental restoration work to be done.

D&D of previously shut down power reactors needs to be completed, a number of research reactors have D&D in progress or yet to be done, previous generation reactors in France and England are being decommissioned, and government facility cleanup sponsored by the DOE Environmental Management (EM) Program is proceeding at a rapid pace. Much of this government facility cleanup is being driven by ~\$5 Billion funding from DOE EM. However, an additional \$6B Stimulus (Recovery Act) funding has been set aside for cleanup, D&D, waste management, and ground water restoration. Given this amount of government financial commitment, as well as private and international activity in this area, there should be many opportunities for you to participate in this work.

The recently completed year has been a successful one for our division, with most of the goals established at the beginning of the year having been achieved. Consequently our division received positive marks in almost all the performance metrics established by ANS. However, we need to work on retaining and expanding our membership as is addressed more fully in the membership report below.

Planning is well underway for a Topical Meeting in 2010 at Idaho Falls, with the effort being spearheaded by Technical Program Chair Jim Byrne. Jim championed the previous successful Topical Meetings in 2005 and 2007, and we therefore look forward to yet another successful production by Jim and his team. This is also addressed in more detail below.

Our website continues to be a place to locate DD&R Division governance team members, previous newsletters, planned meetings, other DD&R information, as well as interesting D&D pictures. Please visit our website at <http://ddrd.ans.org>

The DD&R Division governance meetings will be during the upcoming ANS Annual Meeting, on Sunday, June 14th from 1-5 pm in the Dunwoody Room of the Hyatt Regency Atlanta Hotel. The Program Committee meets from 1-3 and the Officers and Executive Committee from 3-5. Please stop by and introduce yourself or join us if you have the opportunity.

I hope that the knowledge shared through the communication channels and venues provided by the DD&R Division has been and will continue to be helpful in making each of you successful as well as contribute to having the work performed safely, timely, and in a cost efficient manner.

I thank you for your support during the past year, and if you have any suggestions on how we can better serve you, please do not hesitate to send them to me at [gunningje@ornl.gov](mailto:gunningje@ornl.gov).

Programs - Nadia Glucksberg- Program Committee Chair

The DD&R Division has organized the 4 sessions listed below for June 2009 meeting in Atlanta.

- *History of Manhattan Era Nuclear Facilities* – 4 papers, one each from Oak Ridge's Y-12 and K-25; Hanford, and Los Alamos. This session should be very interesting as these papers are being presented by noted historians of these sites.
- *D&D at Commercial Reactor Facilities – Paper/Panel*
- *Groundwater Protection – Panel*
- *Army Corps of Engineers/FUSRAP: D&D of Nonreactor Sites – Panel*

Session topics have also been selected for the November 2009 meeting in Washington DC and these are listed below. Please consider submitting a paper for one of these sessions.

- *What is DD&R and What Does it Teach Us (Co-sponsored with the Young Members Group)*
- *Future of Decommissioning Funds*
- *TMI 30 Years Later*
- *The Current Planned Path for Disposal of Radioactive Waste: LLRW - Class A, B, & C; and High Level Waste (Co-sponsored with FCWM)*
- *Finding Common Ground with Multiple Regulatory Agencies*
- *Hot Topics and Emerging Issues*

DD&R 2010 Topical Meeting - Jim Byrne – Meeting Technical Program Chair

The ANS Topical DD&R 2010 Meeting will be held in Idaho Falls, Idaho from August 29 to September 2, 2010. This meeting serves as a forum for the discussion of the social, regulatory, scientific, and technical aspects of decontamination, decommissioning, and reutilization, and waste management. The 2010 conference program will include commercial, government, and international project updates as well as present project management, technology, and regulatory developments in the areas of decommissioning, waste management, site closure and legacy management.

Papers will be presented in three tracks:

- "Clearing the Way" – Project status reports
- "Clearing the Way Made Easier" – Lessons Learned, Project management issues, regulations, and technologies
- "After Clearing the Way" – Legacy management and site reuse after completion of Decommissioning Activities

In addition to a comprehensive technical program, there will be a Technology Expo, technical tours, and numerous fun activities and opportunities for attendees and guests. The website for DD&R 2010 is <http://ddrtopical2010.org/>. Additional information will be included here as the planning for the meeting progresses. Include this in your list of browser favorites, and return to the site for the most current information. The complete Call for Papers flyer for DD&R 2010 is included at the end of this Newsletter.

Scholarships - Sue Aggarwal - Scholarship Committee Chair

The DD&R Division annually awards a scholarship of \$2,000. This year's recipient is Blake Thomas Holton, a sophomore majoring in Nuclear Engineering at the University of Florida. Blake has a strong academic background, and plans to enroll in a combined degree program with the hope of pursuing a career in Nuclear Engineering.

We look forward to meeting Blake and talking with him during his planned trip to the upcoming ANS meeting in Atlanta. The DD&R division offers to reimburse each recipient the expenses to travel to one or both of the national meetings following the award.

I also want thank all of those who assisted me is carrying out the important work of the Scholarship Committee.

Membership - Sue Aggarwal - Membership Committee Chair

First, the good news: Our Division gained 93 new members during the past 11 months (July 2008-May 2009), and we currently have 1015 members (May 2009). We provided a membership incentive at the beginning of 2009, during which the first 50 new members received a complimentary subscription to Radwaste Solutions. Perhaps this assisted in bringing in new members. In addition, the number of DD&R members who have not yet renewed their membership has dropped from 136 at this time (May) last year to a current 97 so far this year.

Next, the bad news: Members are leaving our Division at a faster rate than they are joining, and our total number of member is down from 1063 one year ago. (The 1063 includes the 97 who were members last year and have not yet, but might still, renew their membership this year.)

Please encourage your colleagues and those working on projects in the nuclear decommissioning industry to join you in becoming a member of ANS and our DD&R Division, or if they were a member in 2008, encourage them to renew their membership in ANS and the DD&R Division.

The DD&R can help you gain knowledge from communication channels and venues provided by the DD&R Division that will be helpful in making each of you successful as well as contribute to having the work performed safely, timely, and in a cost efficient manner.

The ANS DD&R looks forward to having you, a valued member, help us retain our membership and expand so we can better represent our industry.

DD&R Website -John E Gunning. Please visit <http://ddrd.ans.org>



Newly elected Officers and EC members - John E Gunning

I want to welcome our newly elected Officers and Executive Committee members, who are listed below.

Chair: Sue Aggarwal

Vice Chair/Chair-Elect: Lawrence M. Zull

Secretary J. Mark Price

Treasurer Lisa K. Mullen

*Executive Committee - Thru 2012*

Dennis P. Ferrigno

David W. Hillyer

Erhard W. Koehler

Executive Committee – continuing members - John E Gunning

I also want to thank our returning Executive Committee members who are listed below.

2010

Scott Altmayer

Alison Arrowsmith

Martin W. Bourquin

Gale S. F. Voyles

2011

Frazier L. Bronson

Nadia S. Glucksberg

Andrea M. Hopkins

Interesting ongoing or completed DD&R Projects

We plan to include in future newsletters some brief summaries of DD&R work going on around the country or the world. Our Executive Committee member Frazier Bronson has volunteered to collect some of these articles for future inclusion in this section. If you would like to contribute material to this section, please send it to Frazier at [frazier.bronson@canberra.com](mailto:frazier.bronson@canberra.com) or contact him at 203-238-2351.

As a preview of future inclusions, a snapshot of D&D activities at Hanford provided by Andrea Hopkins is included below

**D&D at Hanford**



The D&D workers at the Plutonium Finishing Plant are making progress within the 234-5Z Building, a former plutonium processing facility. Glovebox removal continues ahead of schedule so that demolition of the facility can be accelerated.



## Conference Purpose

The DD&R Topical Meeting is a forum for the discussion of the social, regulatory, scientific, and technical aspects of decontamination, decommissioning, and reutilization, and waste management.

The 2010 conference program will include lessons learned derived from commercial, government, and international project updates and technology developments in the areas of decommissioning, waste management, site closure and legacy management. In addition to a comprehensive technical program, there will be a Technology Expo, technical tours, and numerous fun activities and opportunities for attendees and guests to enjoy Idaho Hospitality at its finest.

## For More Information Contact:

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Mail: jbyrne4424@comcast.net

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saggarwal@nmnuclear.com

Teri Ehresman, Local Contact  
Phone: (208) 526-7785 E-  
Mail: Teri.Ehresman@inl.gov

## CLEARING THE WAY

- DOE Projects
- Commercial Nuclear Plants Decommissioning Projects
- International Decommissioning and Site Closure
- EPA/DoD Projects
- Regulatory Infrastructure for Decommissioning Implementation
- NORM/UMT/Smaller Non-Reactor Issues/Projects
- Stakeholder Involvement
- Implementing the NRC/EPA Memorandum of Understanding
- Environmental Aspects of Deactivation and Decommissioning
- Dismantling of the sodium and other metal coolant reactors
- Dismantling of the installations having contained operations on tritium

## CLEARING THE WAY MADE EASIER

- Low Level Radioactive Waste Management
- Improved/Innovative Technologies for Dismantlement
- Improved/Innovative Technologies for Decontamination of Material
- Improved/Innovative Technologies for Measuring Radiation

- MARSSIM/Site Release/LTP/FSS
- Dose Modeling/RESRAD/D&D
- Regulatory Infrastructure for Technology Development
- Groundwater Monitoring, Control and Remediation
- Environmental Monitoring and Modeling
- Deactivation and Decommissioning Site Characterization
- Remote handling dismantling works
- Lessons Learned—Industry Experience

## AFTER CLEARING THE WAY

- Long-Term Surveillance and Maintenance of DOE and Commercial Facilities
- Activities to Improve Long-Term Surveillance and Maintenance
- Regulatory Infrastructure Long Term Surveillance and Maintenance of Sites
- Onsite Spent Fuel Management
- Workforce Restructuring for Site Transition
- Preservation of Natural, Historic, and Cultural Resources
- Land Use Planning
- Transfer of Real Property
- Reutilization of Closed Sites/Facilities
- Manage and Transfer Strategic Materials
- Community Assistance
- Stakeholder Involvement/Public Relations
- Records Management
- Perpetual License and/or Entombment

August 29–September 2, 2010  
Idaho Falls, Idaho

CALL FOR PAPERS

2010 American Nuclear Society  
Topical Meeting and Decommissioning,  
Decontamination, & Reutilization  
and Technology Expo

Sponsored by: Decommissioning,  
Decontamination, & Reutilization, and  
Environmental Sciences with the  
following co-sponsors



# Call for Papers



**Shilo  
SUITES HOTEL**  
"Affordable Excellence"

780 Lindsay  
Boulevard Idaho  
Falls, ID 83402

## Meeting Officials

General Chair, Jim

Floerke Idaho Completion  
Project

Assistant General Chair, Teri  
Ehresman Idaho Completion Project

Technical Program Chair, James  
Byrne DD&R Professional Division of  
ANS

Assistant Technical Program Chair, Sue

Aggarwal DD&R Program Chair, Nadia

Glucksberg

## Instructions for Authors

Contributors are invited to submit summaries on the conference topics list. The summary should contain sufficient detail to allow the merit of the paper to be judged. The Technical Program Committee will decide whether the paper will be presented at a technical session or as a poster.

## Format

1. Summaries should be typed, single spaced, and in Microsoft Word or PDF format. Figures and tables should be provided with the paper.
2. Use SI units with English units following in parentheses, if needed.

## Length

1. Text – 4 pages maximum, English only
2. Figures and tables – three figures and/or tables maximum, included in page count.
3. Page charge of \$100 per page for summaries that exceed 4 pages.

## Content

Papers may cover technical accomplishments as well as key policy success but should represent information that has not been reported previously.

1. Introduction – clearly state the objective; direct the reader to the purpose of the work and define context
2. Work Description – review methods and/or analyses
3. Results – provide data or information gained from the study
4. Conclusions and Discussions – provide interpretation of results and discussion of relevance to DD&R

## Author's Organizational Approval

- All internal reviews and organizational approvals must be completed prior to submittal of the final extended summary.
- It is the responsibility of the author to protect proprietary information.

## Where to Submit a Summary for Review

Submit summaries via the ANS website ([www.ans.org/meetings/ddr](http://www.ans.org/meetings/ddr)) in Microsoft Word or PDF format. Click on the "Electronic Paper Submission and Review" link under Resources and Tools. If you experience problems submitting your abstract via the web, please notify Ellen Leitschuh (Telephone: 708-579-8253 or Email: [eleitschuh@ans.org](mailto:eleitschuh@ans.org)).

## Final Summary Preparation for Publication in Conference Proceedings

After the Technical Program Committee reviews the submissions, authors of accepted summaries will receive instructions for preparation of final summaries. Summaries will be included on the proceedings CD, which will be distributed at the beginning of the conference.

Summary submittal due  
date: January 29, 2010  
Author notification: April 2,  
2010 Final summary due  
date: April 30, 2010