

# Waste Management



February 26-March 2, 1989

Department of Nuclear and  
Energy Engineering

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WM '89 Committee

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Morton E. Wacks, Technical Program Chairman

James G. McCray, Executive Director

Mary G. White, Assistant General Chairman

Reiner Papp, European Coordinator

Roy G. Post, Technical Editor

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Paula Messer, Publications Coordinators

Rachel Trefry, PAC Assistant

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Transportation

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LLW Licensing/Siting

Peter Colombo, BNL

Alt. Disposal Technologies

Terry Conway, NUS

HLW Licensing/Siting

Julie D'Ambrosia, ASG

Mixed Wastes

Peter Gray, SRL,

Federal Waste Programs

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Sheila Little, WEC

Public Policy and Interfaces

Homer Lowenberg, Consultant,

LLW Licensing, Siting

Jack McElroy, PNL

HLW Processing

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International Programs

S.J.S. (Jack) Parry, USNRC,

HLW Licensing/Siting

Allison Platt, PNL,

HLW Processing

Lawrence Rutland, Burns and Roe

Alt. Disposal Technologies

James Strahl, Weston,

International Programs

Dale Uhl, EG&G Idaho,

Federal Waste Programs

Linda Ulland, ESA,

Public Policy and Interfaces

Don Wood, WHC

Mixed Wastes

H. Richard Yoshimura, SNL,

Transportation

June 27, 1988

Mr. Robert E. Browning  
U.S.N.R.C.  
Dir., Div. of Waste Management  
Office of NMS&S  
Washington, DC 20555

Dear Bob:

Attached are the minutes of the WM '89 Program  
Advisory Committee (PAC) Meeting in San Diego for  
your information and review.

Please note the Topic Coordinators selected by the  
PAC (Minutes, Enclosure). Some of the selections  
were made without discussions with the person  
involved. Let me know if you do not agree to serving  
as a Topic Coordinator.

A further explanation of the duties of the Topic  
Coordinator (TC) is as follows:

1. The name and telephone number of the appropriate  
TC will be included in each acknowledgement of  
receipt of an abstract for use by authors if  
there are any technical questions.
2. The TC's will receive a copy of all of the  
abstracts received under their topic headings.
3. The TC's can stimulate papers for their topics  
but will have no invited papers.
4. The TC's will shepherd their topics through the  
paper review process.

The introduction of the Topic Coordinators into the  
paper review system is part of our continuing effort  
to improve the Waste Management Symposia. We are  
always receptive to good suggestions.

See you in San Francisco.

Sincerely,

Morton Wacks  
Technical Program Chairman  
Waste Management '89

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June 27, 1988

Subject: Agenda and Minutes of the Waste Management '89 Program  
Advisory Committee Meeting in San Diego - June 13, 1988

1. Meeting was called to order by the Chairman Mort Wacks at 5:00 p.m.
2. The attendance is listed as Enclosure 1.
3. Waste Management '88 Report (attached as Enclosure 2)
4. Agendas were distributed (attached as Enclosure 3)
5. The Special (Invited) Sessions of WM '89 were discussed and a revised list was approved (attached as Enclosure 4).
  - a. The session on "WIPP Experimental and Five Year Programs" was deleted based on the recommendation of Arlen Hunt, USDOE-WIPP. He has discussed this with Wendell Weart.
  - b. A substitute session for a (above) is "The Waste Acceptance Process for Receipt of HLW at the Repository". The Session Organizer is Peter Gray. (Session Description attached as Enclosure 5).
  - c. The session "Cost Benefit and Risk Aspects of Many Versus Few LLRW Sites" was deemed too controversial for a complete session. A paper on the topic is being considered for the Plenary Session - A possible speaker is Mal Knapp.
6. Proposed Topic Coordinators were nominated and approved (Enclosure 6).
7. At the Paper Review continental breakfast will be at 7:30 a.m. in the Upper Emperor Norton. The work session will be in the Upper Emperor Norton also.
8. The remainder of the Agenda was discussed with no changes.
9. Meeting adjourned at 6:05 p.m.

WM '89 PAC MEETING  
SAN DIEGO 06/13/88

<u>NAME</u>	<u>ADDRESS</u>	<u>TELEPHONE #</u>
Donald E. Wood	Westinghosue Hanford P.O. Box 1970 Richland, WA 99352	509-376-7832
Marlin Remley Representing G. Subbaraman	Rockwell International 6633 Canoga Avenue Canoga Park, CA 91303	818-718-3403
A. Yokota Representing H. Kuribayashi	JGC Corporation 642 Lexington Ave. #1 El Cerrito, CA 94530	415-042-8425
Jack McElroy	Battelle - PNL P.O. Box 999 Richland, WA 99352	509-376-6253
Gerry Motl Representing Regan Voit	LN Technologies 1501 Key Road Columbia, SC 29201	803-256-4355
Larry Rutland	Burns and Roe Co. 800 Kinderkamack Road Oradell, NJ 07649	201-265-2000
Mary Gerry White	University of Arizona NEE Department Tucson, AZ 85721	602-621-4087
Arlen Hunt	DOE/WIPP P.O. Box 3090 Carlsbad, NM	505-887-8104
Myron M. Kaczmarzsky	WasteChem Corp. One Kalisa Way Paramus, NJ 07652	201-599-2900
A. Scott Dam	Babcock & Wilcox P.O. 10935 3315 Old Forest Road Lynchburg, VA 24506-0935	804-385-3368
Richard D. Doyle	US Ecology Nuclear 212 S. Tryon Street Suite 300 Charlotte, NC 28281	704-376-5752
Earl W. McDaniel	ORNL P.O. Box 2003 Oak Ridge, TN 37831	615-574-0439

Julie D'Ambrosia	ASG, Inc. 7221 Grinnell Drive Rockville, MD 20855	301-762-9364
Mort Wacks	University of Arizona NEE Department Tucson, AZ 85721	602-621-6160
Linda Ulland	ESA 760 Harrison San Francisco, CA 94107	415-896-5900
Peter L. Gray	DuPont-SRL Savannah River Lab E.I. DuPont Aiken, SC 29808	803-725-5328
Thomas H. Smith	EG&G Idaho, Inc. P.O. Box 1625 Idaho Falls, ID 83404	208-526-0009
Bala R. Nair	Westinghouse Electric Nuclear Waste Dept. P.O. Box 3912 Pittsburgh, PA 15230	412-374-2401
Larry Ramspott	LLNL P.O. Box 808 L-204 Livermore, CA 94550	415-422-4176
Jim McCray	University of Arizona NEE Department Tucson, AZ 85721	602-621-4985
Clyde Jupiter	Jupiter Associates, Inc. 511 Wheaton Plaza North Wheaton, MD 20902	301-946-8088
Gary A. Benda Replacing Jim Staehr	Chem-Nuclear Systems 220 Stoneridge Drive Columbia, SC 29210	803-256-0450
Joy Fiore Representing Bob LaRiviere	SAIC 101 Convention Center Dr. Las Vegas, NV 89109-2005	702-794-7639

REPORT

WASTE MANAGEMENT '88

February 28 - March 3, 1988

This year we had 1300 attendees with 13 countries being represented and 308 papers presented in 27 oral and 4 poster sessions.

The proceedings are being printed and should be in the mail to the attendees shortly. We are planning WM '89 for February 26-March 2, 1989. The paper review for this Symposium is scheduled for September 29 - 30, 1988 in San Francisco, California (Sheraton Palace Hotel) Call for Papers have been mailed out and are available here at this meeting.

The Teachers Workshop was held in Las Vegas, Nevada and organized by Joy Fiore. It was the most successful workshop held.



Waste Management '89  
Program Advisory Committee (PAC)

Monday, June 13, 1988  
Town and Country Hotel, San Diego, CA  
Garden Room South, 5:00 - 6:30 p.m.

1. Welcome and Introduction
2. Publication of WM '88 Proceedings
3. Members and Organization of the WM '89 PAC
4. WM '89 Schedule
  - a. Call for Papers Out 05/10/88
  - b. Extended Summaries Due 09/15/88
  - c. Paper Review (San Francisco,CA) 09/29-09/30
  - d. Authors notified 11/18/88
  - e. Completed Papers Due 02/01/89
  - f. Symposium Dates 02/26/89-03/02/89
  - g. Proceedings Published 06/01/89
5. Special (Invited) Sessions - Handout
6. Paper Stimulation
7. Paper Review
  - a. Location - Sheraton Palace Hotel  
Market and New Montgomery Streets  
(415) 392-8600  
  
Rooms blocked for 40 rooms per night on September 28, 29 and 30 only. Rates for Government employees/ID are \$65 single and \$80 double. All others are \$95.00 single or double.
  - b. Schedule  
  
The Paper Review will be held all day 09/29/88 and on the morning of 09/30/88. There will be a hosted luncheon on 09/29/88 and a dinner party later that evening with all participants invited (including wives, girlfriends, boyfriends, etc.).
  - c. Operations
    - (1) Session PAC Topical Committee Chairs - Responsibilities
    - (2) Other PAC Members Responsibilities
8. Extended Summaries
  - a. Need all Extended Summaries prior to paper review.
  - b. Paper Stimulation
9. Comments from PAC

Waste Management '89  
Special (Invited) Sessions

1. "The Waste Acceptance Process for Receipt of HLW at the Repository"  
Session Organizer: Peter Gray  
(803) 725-5328 E.I. DuPont  
SRL  
Aiken, SC 29808
  
2. "RCRA and CERCLA Compliance Status":  
Session Organizer: Julie D'Ambrosia  
(301) 762-9364 ASG, Inc.  
700 Roeder Road  
Silver Spring, MD 20901
  
3. "The USDOE Defense Environmental Restoration Program"  
Session Organizer: Thomas B. Hindman, Jr.  
(301) 353-3956 U.S. DOE  
DP 12  
Washington, DC 20585
  
4. "Risk Perception and Communication: A Challenge for Technical and Social Sciences"  
Session Organizer: John Gervers  
(505) 984-3040 Latir Energy Consultants  
Old Santa Fe Trail  
Box 126B, Route 7  
Santa Fe, NM 87501
  
5. "Effects on Salt of the Combined Radiation and Thermal Fields Produced by High-Level Waste Glass with Heavy Loadings of Cs-137"  
Session Organizers:  
Jack McElroy Reinhard Kroebel  
Battelle-PNL Gesellschaft fur Kernforschung MbH  
P.O. Box 999 Postfach 3640  
Richland, WA 99352 D-5700 Karlsruhe  
(509) 376-6253 FEDERAL REPUBLIC OF GERMANY  
Telex: 78264842
  
6. "Transportation of Nuclear Wastes"  
Session Organizers:  
Richard Yoshimura Larry Harmon  
Sandia National Lab. Transportation Management Div.  
Division 6323 U.S. DOE  
P.O. Box 5800 Washington, DC 20545  
Albuquerque, NM 87185 (301) 353-3506  
(505) 844-2452

DSI-WI

cc: Roy G. Post, U. of Ariz.  
James G. McCray  
Mary G. White  
D. L. McIntosh, SRL  
J. R. Knight  
M. J. Plodinec  
E. L. Albenesius

To: Morton E. Wacks, University of Arizona

June 7, 1987

From: P. L. Gray *PLG*

SPECIAL SESSION

I would like to propose a special session that is, I believe, very timely. I think a session with the following title (theme) would be of great interest:

*Topic #1* "The Waste Acceptance Process for Receipt of HLW at The Repository"

Although we do not yet know the date for the first receipt of HLW at a mined geologic repository, the Waste Acceptance Process has been put into place by OCRWM. It is being followed by those sites holding HLW; they are making plans for that waste to be immobilized and shipped to the repository. Thus, the activities being developed for facilities like DWPF, HWVP, and WVDP are of a very timely nature even without an acceptance date.

The session would have direct appeal to those involved with waste acceptance and certainly would be watched closely by other sites, such as those who will have spent fuel going to the repository. Interested parties would include: NRC, DOE-OCRWM, DOE-NE, DOE-DP, West Valley, Hanford, Idaho, Savannah River, utilities, and others.

I propose, along with John Plodinec who gave me the idea originally, the following as a tentative listing of papers. This will give you an idea of the scope of the proposed session:

- |  |                    |
|--|--------------------|
| 1. Overview of the Waste Acceptance Process  | OCRWM              |
| 2. DWPF Waste Form Compliance Plan (WCP)   | SRL author         |
| 3. WVDP Waste Form Compliance Plan (WCP)   | West Valley author |
| 4. Progress in Carrying Out WVDP WCP   | West Valley author |
| 5. Progress in Carrying Out DWPF WCP   | SRL author         |
| 6. Control and Verification of Radionuclide Release from DWPF Glass                            | SRL author         |
| 7. Controlling the Contents of the DWPF Canistered Waste Form<br>(Control of the DWPF Process) | SRP author         |

I can supply you with suggested authors for each of the papers and will discuss this proposal at your convenience when we meet in San Diego next week. I also have in mind persons to be the session organizer and the session co-chairs.

## TOPICS AND TOPIC COORDINATORS

1. Status of International Nuclear Waste Management Research Facilities and Activities - Jim Strahl
2. Social, Economic and Political Issues in Nuclear WM- Linda Ulland
3. USDOE LLW Management - Mary White
4. Siting Programs for New LLRW Disposal Facilities - Gary Benda
5. Facility Designs for New LLRW Disposal Sites - Larry Rutland
6. Transportation of Nuclear Waste (Technical and Non-Technical to Include Issues) - Richard Yoshimura
7. Fee Schedules for New LLRW Disposal Facilities - John Stucker
8. LLW Processing: Stabilization, Dewatering and other Packaging - Russell Probst
9. Low Level Liquid Waste Processing - Scott Dam
10. LLW Plant Waste Management to Include Processes, Systems and Equipment - Richard Doyle
11. LLW Regulation and Licensing - Homer Lowenberg
12. Below Regulatory Concern (BRC) - Ron Coley
13. Dry Active Waste Processing - Ausie Clement
14. LLW Classification and Waste Form Characterization - Tom Hillmer
15. Mixed Waste Disposal Status and Technology - Myron Kaczmarzsky
16. LLW Avoidance and Minimization - Julie D'Ambrosia
17. Quality Assurance and Quality Control in Nuclear Waste Management - Bill Gregory
18. Managing Conflict in Waste Disposal Siting and Development (Pro/Con Players and Techniques) - Linda Ulland
19. Safety and Performance Assessment for LLW Disposal - Don Wood
20. Defense HLW and TRU Storage and Disposal (including WIPP) - Arlen Hunt
21. Status of Remedial Actions and Decontamination - Clyde Jupiter

22. Storage Technology of High-Level Waste (Including Status and Issues) - Bala Nair
23. Status of Implementation of the NWPA of 1982 (PL97-425) and Amendments - Harry Babad
24. HLW Nuclear Materials Characterization, Package Design and Performance - Larry Ramspott
25. HLW Disposal Geohydrological Considerations - Jaak Daemen
26. YUCCA MOUNTAIN as a HLW Disposal Site - Larry Ramspott
27. General