

# **CNWRA** A center of excellence in earth sciences and engineering

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October 5, 2000  
Contract No. NRC-02-97-009  
Account No. 20.01402.158

U.S. Nuclear Regulatory Commission  
Attn: Ms. Deborah A. DeMarco  
Office of Nuclear Material Safety and Safeguards  
Program Management, Policy Development and Analysis Staff  
Mail Stop 8-A23  
Washington, DC 20555

Subject: CNWRA Annual Review—Draft Agenda

Dear Ms. DeMarco:

Enclosed is the draft agenda for the CNWRA Annual Review for your distribution and use. It includes all the changes suggested in our teleconference of October 4. The agenda will be finalized after incorporating further NRC comments.

Please call me if you have any questions. We are looking forward to hosting this review in November.

Sincerely yours,



Budhi Sagar  
Technical Director

BS/lg

Enclosures

cc:	B. Meehan	B. Brach	W. Patrick
	W. Kane	M. Weber	CNWRA Directors
	J. Linehan	P. Ting	CNWRA Element Managers
	E. Whitt	L. Camper	T. Nagy, SwRI Contracts
	J. Greeves	T. Essig	
	J. Holonich		
	W. Reamer		
	J. Schlueter		

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DRAFT AGENDA  
CNWRA ANNUAL PROGRAM REVIEW  
SwRI Building 189  
Video-Conference Center  
San Antonio, Texas  
November 14–16, 2000

**OBJECTIVES OF REVIEW:** The two and a half day review in November will focus on management aspects of the entire NRC Program at the CNWRA (HLW, TWRS, UR, WVDP, Decommissioning Project, SFPO, SRS, and any other projects ongoing at the time). An overview and presentations on subjects of general interest to all NRC managers will be given the first morning. These will be followed by presentations on each of the components of work the CNWRA is supporting outside the repository program. The second day and the morning of the third day will comprise presentations on each of the key technical issues (KTIs) and status of the Yucca Mountain Review Plan from the HLW repository program. Note that we proposed having Principal Investigators and KTI Leads make most of the presentations to facilitate direct interactions with the NRC management team. Please note that the entire review will include a video-conference connection between San Antonio and NRC headquarters.

The objective of all presentations is to provide NRC management with an overall picture of technical, programmatic, and management aspects of all of the projects, without getting into detailed discussions of technical aspects. The subtopics listed under each major topic of the agenda define the scope of the associated presentations. Within the HLW repository program, each KTI presentation will address a full range of subjects of concern to management, including (i) progress toward issue resolution; (ii) work remaining to be performed to resolve subissue at the staff level; (iii) remaining work that will be needed to prepare for the site recommendation and license application reviews (i.e., the staging/phasing of work from FY2001 onward); (iv) how integration is being achieved among the KTIs; (v) how the individual KTI products are used in total system analysis, support of rulemaking activities, Yucca Mountain Review Plan development, and review of DOE prelicensing documents, the SR, and the LA; and (vi) relation of CNWRA work to NRC mission.

**DRAFT AGENDA FOR NOVEMBER 14–16, 2000**  
**CNWRA ANNUAL PROGRAM REVIEW MEETING**  
 [Note: All items are in Central Standard Time]

November 14, 2000

<u>TIME</u>	<u>TOPIC</u>	
8:00 am	Opening Remarks	W. Kane W. Patrick
	– Meeting Objectives – Overview of Meeting	
8:20 am	Summary of CNWRA Five Year Strategic Plan	B. Sagar
8:50 am	Status of Work for Others	N. Sridhar
	– Summary of WFO for FY2000 – Future Outlook	
9:15 am	Funding, Priorities, Organization, and Staffing of CNWRA	W. Patrick
	– Funding Outlook – Project Priorities – CNWRA Organization – Current Staffing – Staff Hiring Plans – Assessment of Skill Needs and Skills on Board	
10:00 am	Break	All
10:15 am	Hanford Tank Remediation System Program	R. Pierson
	– Program Status – Project Closure	
10:30 am	Hanford Tank Remediation System Program	V. Jain
	– Highlights of Work in FY2000 – Status of Project Documents – Disposition of “Proprietary” Information – Overall Summary of Program	
11:15 am	Uranium Recovery Program	R. Weller
	– NRC Views on Program Management – Critical Program Components – Future Outlook	

**DRAFT AGENDA FOR NOVEMBER 14–16, 2000**  
**CNWRA ANNUAL PROGRAM REVIEW MEETING (Cont'd)**  
 [Note: All items are in Central Standard Time]

**November 14, 2000**

<b><u>TIME</u></b>	<b><u>TOPIC</u></b>	
11:25 am	Uranium Recovery Program	P. Mackin
	<ul style="list-style-type: none"> <li>– 10 CFR Part 41 Rulemaking</li> <li>– Risk Informed Performance Based Approach for <i>in situ</i> Mining</li> <li>– Updating of 10 CFR Part 20</li> <li>– Surety Estimation Methodology for Ground Water Corrective Action</li> <li>– Program Management and Lessons Learned</li> <li>– Work Plans for FY2001</li> </ul>	
12:10 pm	Lunch	All
1:15 pm	Spent Fuel Project Office Projects	W. Brach
	<ul style="list-style-type: none"> <li>– NRC Views on Program Management</li> <li>– Critical Program Components</li> <li>– Future Outlook</li> </ul>	
1:25 pm	Spent Fuel Project Office Projects Overview	A. Chowdhury
	<ul style="list-style-type: none"> <li>– Scope, Schedule, and Cost for FY2000</li> <li>– Technical Approach</li> <li>– Highlights of Work Completed (Accomplishments/Problems Encountered)</li> <li>– Future Plans and Outlook</li> </ul>	
1:45 pm	Central Interim Storage Facility Project	A. Ghosh
	<ul style="list-style-type: none"> <li>– Key Regulatory Issues</li> <li>– Assessment Report: Approach and Accomplishments</li> <li>– Future Plans and Outlook</li> </ul>	
2:05 pm	Dry Transfer System Project	D. Gute
	<ul style="list-style-type: none"> <li>– Key Regulatory Issues</li> <li>– Assessment Report: Approach and Accomplishments</li> <li>– Future Plans and Outlook</li> </ul>	
2:25 pm	Naval Fuel ISFSI Review	A. Chowdhury
	<ul style="list-style-type: none"> <li>– Key Regulatory Issues</li> <li>– Safety Evaluation Report: Approach and Accomplishments</li> <li>– Future Plans and Outlook</li> </ul>	

**DRAFT AGENDA FOR NOVEMBER 14–16, 2000**  
**CNWRA ANNUAL PROGRAM REVIEW MEETING (Cont'd)**  
 [Note: All items are in Central Standard Time]

**November 14, 2000**

<b><u>TIME</u></b>	<b><u>TOPIC</u></b>	
2:45 pm	Private Fuel Storage Facility Project  – Key Regulatory and Adjudicatory Issues – Safety Evaluation Report: Approach and Accomplishments – Work Plans for FY2001	A. Ghosh
3:30 pm	Break	All
3:45 pm	Savannah River Site Projects  – NRC Views on Program Management – Future Outlook	W. Reamer
3:55 pm	Savannah River Site Project on AI-Clad Fuels  – Review of DOE Documents: Approach and Accomplishments – Plans for FY2001	S. Brossia
4:15 pm	Decommissioning Projects  – NRC Views on Program Management – Critical Program Components – Roles of NRC and CNWRA Staff	G. Gnugnoli
4:25 pm	Decommissioning Project Program  – Key Regulatory Issues – Scope, Schedule, and Cost for FY2000 – Jefferson Proving Ground Task: Approach and Accomplishments – Molycorp at York Task: Approach and Accomplishments – Molycorp at Washington Task: Approach and Accomplishments – Review of Draft NUREG on Resuspension Factor – Work Plans for FY2001	J. Russell
4:55 pm	West Valley Demonstration Project  – Program Overview and Expectations – Future Outlook	A. Snyder

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**CNWRA ANNUAL PROGRAM REVIEW MEETING (Cont'd)**  
[Note: All items are in Central Standard Time]

November 14, 2000

<u>TIME</u>	<u>TOPIC</u>	
5:05 pm	West Valley Demonstration Project	D. Farrell
	<ul style="list-style-type: none"><li>- Key Regulatory Issues</li><li>- Scope, Schedule, and Cost for FY2000</li><li>- Review of DOE Documents: Approach and Accomplishments</li><li>- GIS Task: Approach and Accomplishments</li><li>- Work Plans for FY2001</li></ul>	
5:25 pm	Environmental Reviews and Guidance Development	T. Essig
	<ul style="list-style-type: none"><li>- Program Overview and Expectations</li><li>- Future Outlook</li></ul>	
5:35 pm	Environmental Reviews and Guidance Development	D. Turner
	<ul style="list-style-type: none"><li>- Contribution to Standard Review Plan</li><li>- Work Plans for FY2001</li></ul>	
6:00 pm	Adjourn	All

**DRAFT AGENDA FOR NOVEMBER 14–16, 2000**  
**CNWRA ANNUAL PROGRAM REVIEW MEETING (Cont'd)**  
 [Note: All items are in Central Standard Time]

**November 15, 2000**

<b><u>TIME</u></b>	<b><u>TOPIC</u></b>	
8:00 am	High-Level Waste Program Outlook, Budgets, and Priorities  – Program Goals, Strategies, and Performance Measures – Program Budget and Planned Activities – Priority of KTIs for FY2001 – Issue Resolution Status Reports and the Yucca Mountain Review Plan – NRC Plans for Sufficiency Review – Status of Rule Making Activities – A Look Ahead to FY2002–FY2003	W. Reamer
8:30 am	Overview of High-Level Waste Work at CNWRA  – Strategy for Resolving Issues – Status of Sub-Issue Closure – Technical Accomplishments of FY2000 – Integration of KTI Work into Major NRC Regulatory Products – Summary of Work Plan for FY2001 – Problems or Concerns – Summary of Publications, Presentations, and Distinctions	B. Sagar
9:30 am	Activities Related to Development of Yucca Mountain Specific Regulation  – Status of EPA Standard Development and NRC Regulation – Conforming Part 63 to EPA Standard – Problems or Concerns – Summary of Publications, Presentations, and Distinctions – Work Plan for FY2001	P. LaPlante
9:50 am	Break	All
10:05 am	Yucca Mountain Review Plan  – Approach and Accomplishment in FY2000 – Plans for Revision 2 in FY2001 – Problems or Concerns – Strategy for Use in Sufficiency Review	P. Mackin
10:35 am	Site Sufficiency Review Strategy and Guidance	W. Reamer

**DRAFT AGENDA FOR NOVEMBER 14–16, 2000**  
**CNWRA ANNUAL PROGRAM REVIEW MEETING (Cont'd)**  
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**November 15, 2000**

<b><u>TIME</u></b>	<b><u>TOPIC</u></b>	
11:00 am	Public Outreach	M. Smith
	<ul style="list-style-type: none"> <li>– Overview of FY2000 Work and Accomplishments</li> <li>– Preparation for Sufficiency Review</li> <li>– Relations of Work to NRC Mission</li> <li>– Problems or Concerns</li> <li>– Summary of Publications, Presentations, and Distinctions</li> <li>– Work Plan for FY2001</li> </ul>	
11:20 am	Total-System Performance Assessment & Integration KTI	S. Mohanty
	<ul style="list-style-type: none"> <li>– Status of Sub-Issue Resolution</li> <li>– What Does the DOE Need to Provide Before LA: Use of Risk Information?</li> <li>– What Do We Need to Do Before LA: Use of Risk Information?</li> <li>– Overview of FY2000 Work and Accomplishments</li> <li>– Relations of Work to NRC Mission</li> <li>– Problems or Concerns</li> <li>– Summary of Publications, Presentations, and Distinctions</li> <li>– Work Plan for FY2001</li> </ul>	
12:00 noon	Lunch	All
1:15 pm	Risk Insights From Total System Performance Assessment	G. Wittmeyer
	<ul style="list-style-type: none"> <li>– What are the Insights?</li> <li>– What is Important?</li> <li>– What are the Results From Sensitivity Analyses?</li> <li>– How are We Going to Use the Results?</li> </ul>	
1:45 pm	Evolution of Near-Field Environment KTI	B. Pabalan
	<ul style="list-style-type: none"> <li>– Status of Sub-Issue Resolution</li> <li>– What Does the DOE Need to Provide Before LA: Use of Risk Insights</li> <li>– What Do We Need to Do Before LA: Use of Risk Insights</li> <li>– Overview of FY2000 Work and Accomplishments</li> <li>– Preparation for Sufficiency Review</li> <li>– Relations of Work to NRC Mission</li> <li>– Problems or Concerns</li> <li>– Summary of Publications, Presentations, and Distinctions</li> <li>– Work Plan for FY2001</li> </ul>	

**DRAFT AGENDA FOR NOVEMBER 14–16, 2000  
CNWRA ANNUAL PROGRAM REVIEW MEETING (Cont'd)**

[Note: All items are in Central Standard Time]

**November 15, 2000**

<b><u>TIME</u></b>	<b><u>TOPIC</u></b>	
2:30 pm	Thermal Effects on Flow KTI	D. Hughson
	<ul style="list-style-type: none"><li>– Status of Sub-Issue Resolution</li><li>– What Does the DOE Need to Provide Before LA: Use of Risk Information?</li><li>– What Do We Need to Do Before LA: Use of Risk Information?</li><li>– Overview of FY2000 Work and Accomplishments</li><li>– Preparation for Sufficiency Review</li><li>– Relations of Work to NRC Mission</li><li>– Problems or Concerns</li><li>– Summary of Publications, Presentations, and Distinctions</li><li>– Work Plan for FY2001</li></ul>	
3:00 pm	Break	All
3:15 pm	Structural Deformation and Seismicity KTI	J. Stamatakos
	<ul style="list-style-type: none"><li>– Status of Sub-Issue Resolution</li><li>– What Does the DOE Need to Provide Before LA: Use of Risk Information?</li><li>– What Do We Need to Do Before LA: Use of Risk Information?</li><li>– Overview of FY 2000 work and Accomplishments</li><li>– Preparation for Sufficiency Review</li><li>– Relations of Work to NRC Mission</li><li>– Problems or Concerns</li><li>– Summary of Publications, Presentations, and Distinctions</li><li>– Work Plan for FY2001</li></ul>	
4:00 pm	Igneous Activity KTI	C. Connor
	<ul style="list-style-type: none"><li>– Status of Sub-Issue Resolution</li><li>– What Does the DOE Need to Provide Before LA: Use of Risk Information?</li><li>– What Do We Need to Do Before LA: Use of Risk Information?</li><li>– Overview of FY 2000 work and Accomplishments</li><li>– Preparation for Sufficiency Review</li><li>– Relations of Work to NRC Mission</li><li>– Problems or Concerns</li><li>– Summary of Publications, Presentations, and Distinctions</li><li>– Work Plan for FY2001</li></ul>	

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**CNWRA ANNUAL PROGRAM REVIEW MEETING (Cont'd)**  
[Note: All items are in Central Standard Time]

November 15, 2000

<u>TIME</u>	<u>TOPIC</u>	
4:45 pm	Container Life and Source Term KTI	G. Cragolino
	<ul style="list-style-type: none"><li>– Status of Sub-Issue Resolution</li><li>– What Does the DOE Need to Provide Before LA: Use of Risk Information?</li><li>– What Do We Need to Do Before LA: Use of Risk Information?</li><li>– Overview of FY2000 work and Accomplishments</li><li>– Preparation for Sufficiency Review</li><li>– Relations of Work to NRC Mission</li><li>– Problems or Concerns</li><li>– Summary of Publications, Presentations, and Distinctions</li><li>– Work Plan for FY2001</li></ul>	
5:30 pm	NRC Caucus	NRC Management
6:30 pm	Dinner (no host—SwRI Cafeteria)	All

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**CNWRA ANNUAL PROGRAM REVIEW MEETING (Cont'd)**  
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**November 16, 2000**

<b><u>TIME</u></b>	<b><u>TOPIC</u></b>	
8:00 am	Repository Design and Thermo-Mechanical Effects KTI (Post-Closure)	G. Ofoegbu
	<ul style="list-style-type: none"><li>– Status of Sub-Issue Resolution</li><li>– What Does the DOE Need to Provide Before LA: Use of Risk Information?</li><li>– What Do We Need to Do Before LA: Use of Risk Information?</li><li>– Overview of FY2000 Work and Accomplishments</li><li>– Preparation for Sufficiency Review</li><li>– Relations of Work to NRC Mission</li><li>– Problems or Concerns</li><li>– Summary of Publications, Presentations, and Distinctions</li><li>– Work Plan for FY2001</li></ul>	
8:30 am	Repository Design and Thermo-Mechanical Effects KTI (Pre-Closure)	B. Dasgupta
	<ul style="list-style-type: none"><li>– Status of Sub-Issue Resolution</li><li>– What Does the DOE Need to Provide Before LA: Use of Risk Information?</li><li>– What Do We Need to Do Before LA: Use of Risk Information?</li><li>– Overview of FY 2000 Work and Accomplishments</li><li>– Relations of Work to NRC Mission</li><li>– Problems or Concerns</li><li>– Summary of Publications, Presentations, and Distinctions</li><li>– Work Plan for FY2001</li></ul>	
9:00 am	Unsaturated and Saturated Flow Under Isothermal Conditions KTI	J. Winterle
	<ul style="list-style-type: none"><li>– Status of Sub-Issue Resolution</li><li>– What Does the DOE Need to Provide Before LA: Use of Risk Information?</li><li>– What Do We Need to Do Before LA: Use of Risk Information?</li><li>– Overview of FY2000 Work and Accomplishments</li><li>– Preparation for Sufficiency Review</li><li>– Relations of Work to NRC Mission</li><li>– Problems or Concerns</li><li>– Summary of Publications, Presentations, and Distinctions</li><li>– Work Plan for FY2001</li></ul>	

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**CNWRA ANNUAL PROGRAM REVIEW MEETING (Cont'd)**  
 [Note: All items are in Central Standard Time]

November 16, 2000

<u>TIME</u>	<u>TOPIC</u>	
9:45 am	Radionuclide Transport KTI	D. Turner
	<ul style="list-style-type: none"> <li>– Status of Sub-Issue Resolution</li> <li>– What Does the DOE Need to Provide Before LA: Use of Risk Information?</li> <li>– What Do We Need to Do Before LA: Use of Risk Information?</li> <li>– Overview of FY2000 Work and Accomplishments</li> <li>– Preparation for Sufficiency Review</li> <li>– Relations of Work to NRC Mission</li> <li>– Problems or Concerns</li> <li>– Summary of Publications, Presentations, and Distinctions</li> <li>– Work Plan for FY2001</li> </ul>	
10:30 am	Break	All
10:45 am	Summary of Meeting by CNWRA Management	B. Sagar
11:15 am	NRC Caucus	NRC
11:45 am	Management Discussion and Close Out	NRC/CNWRA
	<ul style="list-style-type: none"> <li>– NRC Summary and Observations</li> <li>– Action Items</li> </ul>	
12:15 pm	Adjourn Meeting	All