

**November 13, 2000**

**123<sup>rd</sup> ACNW MEETING  
SAN ANTONIO, TEXAS  
NOVEMBER 27-29, 2000**

**Monday, November 27, 2000, CNWRA, Southwest Research Institute, 6220 Culebra Road,  
San Antonio, Texas, Building 189**

- 1) 9:00-9:05 A.M. CST Opening Statement (Open) (BJG/HJL)  
The Chairman will open the meeting with brief opening remarks, outline the topics to be discussed, and indicate several items of interest.
- 2) 9:05-11:00 A.M. CST ACNW Planning and Procedures (Open) (BJG/ALL)  
The Committee will review items under consideration at this meeting and:
  - 2.1) Review and affirm assignments and commitments made at the 122<sup>nd</sup> meeting (AS/MSK)
  - 2.2) Staff review issues/topics/status reports for November 123<sup>rd</sup> meeting agenda (HJL, et al.)
  - 2.3) January 2001 - March 2001 ACNW Meeting Activities (HJL, et al.)
  - 2.4) Review progress on the Transportation Task Action Plan (ML/RKM/AS)
  - 2.5) EDO responses to ACNW Letter Report:  
ACNW recommendations from Site visits in the UK and France, May 15-19, 2000
  - 2.6) Discuss potential topics for upcoming public meeting (9:30-11:30 a.m., January 18, 2001 - tentative) with Commission (HJL)
  - 2.7) CY 2001 ACNW Meeting Calendar (HJL)
  - 2.8) EDO's list of future meeting topics
  - 2.9) CRWMS/M&O meeting status
  - 2.10) Committee/staff projected travel plans, outside meetings, and consultant use
- 3) 11:15 - 12:00 Noon CST Preparation of ACNW Reports (Open)  
The Committee will discuss planned reports on the following topics:
  - 3.1) 10 CFR Part 40 Improvements (GMH/RKM)
  - 3.2) Transportation Considerations (ML/RKM)
  - 3.3) Entombment Option (RGW/HJL)
  - 3.4) Alloy C-22 Degradation (RGW/ACC)

**12:00 - 1:00 P.M.**

**\*\*\*LUNCH\*\*\***

- 4) 1:00 - 1:15 P.M. CST Objectives of ACNW's CNWRA Review (Open) (BJG/LFD)  
The ACNW will discuss the objectives of its review of the of the CNWRA's research and technical assistance program.
- 5) 1:15 - 2:15 P.M. CST Program Overview: Developing Review Capability and Risk Information for Pre- and Post-Closure (Open) (GMH/LFD)  
The Committee will hear a programmatic overview from representatives of the NRC and CNWRA staff addressing:
- 5.1) Proposed Regulatory Framework
  - 5.2) Regulatory Guidance for SR and LA Reviews
  - 5.3) Analytical Tools: TPA and PCSA codes and process-level codes
  - 5.4) Staff Capabilities (NRC, CNWRA, and consultants)
  - 5.5) Field and Laboratory Experimental Facilities (Wes Patrick, CNWRA and TBD).
- 2: 15 - 2:30 P.M. \*\*\*BREAK\*\*\***
- 6) 2:30 - 4:00 P.M. CST Progress toward KTI Issue Resolution (Open) (GMH/LFD/AS)  
The Committee will discuss and hear overview presentations from the CNWRA and NRC staff regarding:
- 6.1) Relationships among issue resolution, SR review, decision to docket an LA, and LA review and SER preparation activities
  - 6.2) Overview of issue resolution process: objectives, time-line, and overall approach/method
  - 6.3) Overview of resolution status: subissue closure status of each KTI, remaining sub-issues, DOE/NRC agreements and path forward.
- 7) 4:00 - 6:00 P.M. CST ACNW's Sufficiency Review, and Task Action Plan (TAP) (Open) (ALL)  
The Committee will discuss the ACNW's TAP, its approach to conducting a sufficiency review, its proposed vertical slices and a consultant report on the NRC-DOE saturated zone technical exchange.
- 8) 6:00 - 7:00 P.M. CST Discussion of Proposed ACNW Reports (Open)  
The Committee will continue its discussion of proposed ACNW Reports.
- 8.1) 10 CFR Part 40 Improvements (GMH/RKM)
  - 8.2) Transportation Considerations (ML/RKM)
  - 8.3) Entombment Option (RGW/HJL)
  - 8.4) KTI Resolution (GMH/LFD)

**Tuesday, November 28, 2000, CNWRA, Southwest Research Institute, 6220 Culebra Road, San Antonio, Texas, Building 189**

- 9) 8:30 - 10:00 A.M. CST Yucca Mountain TPA Code and External Review (Open) (BJG/ACC)  
The Committee will hear a presentation from CNWRA staff on the TPA external review and current and planned code capability.
- 10) 10:15 - 12:30 P.M. CST Capability of NRC staff to Evaluate Risk-Significance of Information Submitted by DOE for Postclosure (Open) (BJG/ACC)  
The Committee will hear presentations from the CNWRA and NRC staffs on staff capability and risk insights including:
- 10.1) analytical tools and methods to evaluate relative importance of KTIs/ISIs
  - 10.2) parameter level sensitivity analyses techniques
  - 10.3) post-processor techniques
  - 10.4) philosophy to address uncertainty
  - 10.5) use of TPA code to support decision-making for SR and LA.
- 12:30 - 1:30 P.M. \*\*\*LUNCH\*\*\***
- 11) 1:30 - 2:45 P.M. CST Pre-Closure Safety Analysis (PCS Tool) (Open) (ML/AXS)  
The Committee will discuss and hear a presentation from CNWRA staff on the following:
- 11.1) overview and status of PCSA tool
  - 11.2) example application
  - 11.3) emerging risk insights.
- 2:45 - 3:00 P.M. \*\*\*BREAK\*\*\***
- 12) 3:00 - 5:00 P.M. CST Alloy C-22 Studies (Open) (RGW/ACC)  
The Committee will review the DOE waste package material selection and degradation studies and applicable CNWRA confirmatory studies.
- 13) 5:00 - 6:00 P.M. CST Draft NRC/RES Plan for Waste Research (Open) (GMH/RKM)  
The Committee will hear a briefing and discuss the Draft Plan for Research Supporting the Nuclear Waste Safety Arena.
- 14) 6:00 - 7:00 P.M. CST Discussion of Proposed ACNW Report  
The Committee will continue its discussion of proposed ACNW reports.

**Wednesday, November 29, 2000, CNWRA, Southwest Research Institute, 6220 Culebra Road, San Antonio, Texas, Building 189**

- 15) 8:30 - 10:30 A.M. CST Tour of Experimental Facilities (HJL)  
The Committee is scheduled to tour the following CNWRA experimental facilities:  
15.1) geochemistry and radio chemistry  
15.2) hydrology and thermal-hydrology  
15.3) structural geology analog facility  
15.4) materials, corrosion, and glass testing
- 16) 10:30 - 12:00 Noon CST Investigation and Importance of Coupled Processes Related to Repository Design (Open) (RGW/RPS)  
The Committee will discuss ongoing CNWRA coupled processes investigations; e.g., thermal effects on flow and thermal-mechanical effects and TPA analyses.
- 17) 12:00 - 12:30 P.M. CST Miscellaneous (Open)  
The Committee will discuss matters related to the conduct of Committee activities and matters and specific issues that were not completed during previous meetings, as time and availability of information permit.

**NOTE:**

- Presentation time should not exceed 50 percent of the total time allocated for a specific items. The remaining 50 percent of the time is reserved for discussion.
- Number of copies of the presentation materials to be provided to the ACNW - 35.
- ACNW meeting schedules are subject to change. Presentations are frequently canceled or rescheduled to another day. If such a change would result in significant inconvenience or hardship, be sure to verify the schedule with Mr. Howard Larson at 301-415-6805 between 8:00 a.m. and 4:00 p.m., several days prior to the meeting.