UNITED STATES
NUCLEAR REGULATORY COMMISSION
ADVISORY COMMITTEE ON NUCLEAR WASTE
WASHINGTON, D.C. 20555-0001

May 17, 2001

MEMORANDUM TO: ACNW Members
ACNW Staff

FROM: Michele S. Kelton
Technical Secretary, ACNW

SUBJECT: CERTIFIED MINUTES OF THE 125TH MEETING OF THE ADVISORY COMMITTEE ON NUCLEAR WASTE (ACNW) MARCH 21–22, 2001

The proposed minutes of the subject meeting have been certified as the official record of the proceedings for that meeting.

Attachment:
Certified Minutes of the125th ACNW
Meeting, March 21–22, 2001

cc: J. Larkins, ACRS/ACNW
J. Lyons, ACRS/ACNW
H. Larson, ACNW/ACNW
R. Savio, ACRS/ACNW
A. Bates, SECY (O-16C1)
R. Turtil, NMSS (T-7E57)
I. Schoenfeld, EDO (O-16E15)

MINUTES OF THE 125th ACNW MEETING
MARCH 21–22, 2001

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CERTIFIED
5/15/01
By B. JOHN GARRICK

Issued: 4/27/01

MINUTES OF THE 125TH MEETING OF THE ADVISORY COMMITTEE ON NUCLEAR WASTE MARCH 21–22, 2001 ROCKVILLE, MARYLAND

The U.S. Nuclear Regulatory Commission's (NRC's) Advisory Committee on Nuclear Waste (ACNW) held its 125th Meeting on March 21–22, 2001, at Two White Flint North, 11545 Rockville Pike, Rockville, Maryland. Notice of this meeting was published in the *Federal Register* on (66 FR 12963) (Appendix I). This meeting served as a forum for attendees to discuss and take appropriate action on the items listed on the agenda (Appendix II). The entire meeting was open to the public.

A transcript of selected portions of the meeting is available in the NRC's Public Document Room at 11555 Rockville Pike, Rockville, Maryland, Room O-1F19. Copies of the transcript are available for purchase from Neal R. Gross and Co., Inc., 1323 Rhode Island Avenue, NW., Washington, DC 20005. Transcripts are also available for downloading from, or reviewing on, the Internet at <http://www.nrc.gov/ACRSACNW>.

ATTENDEES

ACNW members who attended this meeting are Dr. B. John Garrick (ACNW Chairman), Mr. Milton Levenson, Dr. Raymond G. Wymer, and Dr. George M. Hornberger (March 22nd only). For a list of other attendees, see Appendix III.

I. CHAIRMAN'S REPORT (OPEN)

[Richard K. Major was the Designated Federal Official for this portion of the meeting.]

Dr. B. John Garrick, ACNW Chairman, convened the meeting at 8:30 a.m. and briefly reviewed the agenda. He stated that the meeting was being conducted in conformance with the Federal Advisory Committee Act. He asked members of the public who were present and had something to contribute to the meeting to inform the ACNW staff so that time could be allocated for them to speak. He noted the following items of interest:

II. PLANNING AND PROCEDURES (OPEN)

[Howard J. Larson was the Designated Federal Official for this portion of the meeting.]

The Committee examined its review schedule for the next 3 months. The 126th ACNW meeting will be held June 19–21, 2001. The 127th ACNW meeting will be held July 17–19, 2001. Topics for discussion during the 126th ACNW meeting will include the following:

- **Planning and Procedures**—The Committee will review items under consideration at this meeting and consider topics proposed for future ACNW meetings.

- **Status Report on Sufficiency Review**—The Committee will be briefed by an NRC staff representative on the current status of the staff's sufficiency review.

- **Key Technical Issues—Vertical Slice Report**—The Committee members will present progress reports on their assigned key technical issues (KTIs).

- **Overview of Sequoyah Fuels**—The Committee will be briefed by the NRC staff on the current status of activities at the Sequoyah Fuels Corporation Facility.

- **Discussion of Proposed ACNW Reports**—The Committee will discuss proposed ACNW reports on entombment, proposed revisions to 10 CFR Part 71, high-level waste (HLW) chemistry, the status of its sufficiency review, and a response to a Commission Staff Requirements Memorandum issued as a result of the ACNW's March 22, 2001, presentation.

- **Meeting With the Deputy Director, Office of Nuclear Material Safety and Safeguards (tentative)**—The Committee will meet with the Deputy Director of the Office of Nuclear Material Safety and Safeguards (NMSS) to discuss items of mutual interest.

III. DEPARTMENT OF ENERGY'S STATUS REPORT ON KEY TECHNICAL ISSUE RESOLUTION

[Amarjit Singh was the Designated Federal Official for this portion of meeting.]

Dr. Garrick stated that the purpose of this portion of the meeting was to discuss the issue resolution process and the status of the subissues of each KTI with the representative of Department of Energy's (DOE's) staff. Since June of 2000, DOE and NRC have held 11 technical exchange meetings on KTIs in the areas of Total System Performance Assessment and Integration, Unsaturated and Saturated Flow Under Isothermal Conditions, Igneous Activity, Structural Deformation and Seismicity, Container Life and Source Term, Criticality, Radionuclide Transport, Thermal Effects on Flow, Evaluations of the Near-Field Environment, and Repository Design and Thermal-Mechanical Effects. The remaining two technical exchange meetings for

Total System Performance Assessment and Integration and Preclosure Issues are tentatively scheduled for June and July 2001, respectively. As of this date, 27 issues are closed pending, 5 are closed, and 5 open. These remaining KTIs are scheduled to be completed by July 2001.

IV. ACNW 2001 ACTION PLAN (OPEN)

[Richard K. Major was the Designated Federal Official for this part of the meeting.]

The ACNW members reviewed the final version of their 2001 ACNW Action Plan. The Committee approved the action plan after making several modifications. For 2001 and beyond the action plan contains four first-tier priority issues: the site suitability and license application (for the proposed Yucca Mountain repository), the risk-informed and performance-based regulatory framework, decommissioning, and the Yucca Mountain Review Plan. The action plan also contains four second-tier priority issues: research (including technical assistance by the NRC), low-level radioactive waste, transportation of HLW and spent fuel, and the proposed Private Fuel Storage facility. The Committee has dropped risk harmonization from its set of priorities because of time and resource constraints and has also moved its priority operational activities (process improvements) to the combined ACRS/ACNW operating plan (currently in preparation).

V. KEY TECHNICAL ISSUES—VERTICAL SLICE REPORT (OPEN)

[Lynn F. Deering was the Designated Federal Official for this part of the meeting.]

During the Committee's vertical slice discussions, Dr. Hornberger and Andrew Campbell, an ACNW staff member, reported on progress in the vertical slice areas of saturated zone hydrology, and HLW chemistry issues, respectively. Milton Levenson, ACNW, agreed to report during the May 15–17, 2001, ACNW meeting on progress in the vertical slice review concerning thermal effects on flow. Dr. Garrick will report on the total system performance assessment and integration (TSPA&I) vertical slice review following the NRC-DOE technical exchange meetings on TSPA scheduled for May and June of this year. Drs. Hornberger and Campbell each discussed the general approach their teams are taking to conduct the vertical slice review and the specific subissues and acceptance criteria they are evaluating.

Vertical Slice on Saturated Zone Hydrology

Dr. Hornberger noted that his vertical slice is focused on the NRC staff KTI subissue of saturated zone ambient flow conditions and dilution processes. A NRC-DOE technical exchange meeting was held on this subissue in October 2000. Dr. Hornberger selected four of nine acceptance criteria (AC) to focus on: AC1 (conceptual flow and data uncertainties), AC2 (flow paths), AC5 (estimates of key hydrologic parameters), and AC6 (mathematical groundwater models). To further focus the vertical slice review, Dr. Hornberger selected specific technical concerns identified by the staff under these four acceptance criteria. For AC1, the staff has asked DOE to reevaluate horizontal anisotropy using C-well test data; for AC2, the staff has asked DOE for additional justification of the distribution of flow paths used in the alluvium; for

AC5, the staff has asked DOE for more detailed plans on testing in the alluvium, including DOE's basis for residence times in the tuffs and alluvium; and for AC6, the staff has asked DOE to provide additional supporting arguments for the site-scale saturated zone model or to employ a calibrated model that has gone through confidence building measures, using NUREG-1636 as a guide.

Dr. Hornberger elaborated on these four topics, including the specific concerns the NRC identified in the October technical exchange, and discussed the updated information that DOE provided on these topics provided to the Nuclear Waste Technical Review Board during the January 2001 meeting. Finally, Dr. Honrberger identified several questions to explore with the staff on anisotropy, alluvium, residence times, and model validation. He mentioned that he and Ms. Deering held a conference call with the staff to explore some of these questions and get feedback on the vertical slice approach. Obtaining feedback from the staff will be an ongoing process. Dr. Hornberger will continue to evaluate technical information using a template developed by the ACNW to guide its review, and will evaluate the NRC sufficiency comments when they are available.

HLW Chemistry Review

Dr. Wymer is leading the HLW chemistry vertical slice. The supporting ACNW staff member, Andy Campbell, described the review areas and the general approach for the review, which is already well underway. The review areas include waste package and drip shield corrosion, including Alloy-22 and titanium alloy corrosion; near-field environment chemistry, including in-package chemistry and in-drift chemistry; radionuclide transport; and coupled processes. The consultants involved are Martin Steindler, Paul Shewmon, and James Clarke.

Dr. Campbell noted that Dr. Wymer chaired a public working group meeting with the consultants on HLW chemistry issues on February 22, 2001. Dr. Campbell described the responsibilities of the review team members. Dr. Shewmon is reviewing corrosion of engineered barriers, Dr. Steindler, in-drift chemical environment, Dr. Campbell, coupled effects, and Dr. Clark, radionuclide transport. Each reviewer is examining DOE's technical approach, the NRC staff's approach to issue resolution, the appropriateness of the subissues and acceptance criteria of the key technical issue, and the adequacy of the NRC-DOE agreements to address the subissues and acceptance criteria. Each participant has developed a list of key technical issues, and is evaluating KTI resolution agreements. The vertical slice team will develop a main report and cover letter summarizing "take home" messages.

During the May 2001 ACNW meeting, the Committee will draft a letter report to the Commission summarizing key issues and recommendations in the vertical slice area of HLW chemistry. The Committee will also begin developing letter reports on each of the vertical slice topics during this summer.

VI. PARTIAL RELEASE OF A REACTOR FACILITY OR SITE FOR UNRESTRICTED USE (OPEN)

[Howard J. Larson was the Designated Federal Official for this portion of the meeting.]

The Committee met with the cognizant Office Nuclear Reactor Regulation (NRR) staff engineer, Mike Ripley, to discuss a proposed rule providing for the partial release of a reactor site for unrestricted use prior to approval of the License Termination Plan. Paul Harris, NRR, also participated in the discussion.

Mr. Ripley described the evolution of the proposed rulemaking, noting that two deficiencies were identified during the review of an Oyster Creek technical specification amendment:

1. Partial site release was not provided for in the regulations.

2. The radiological release criteria in 10 CFR Part 20, Subpart E, were not clearly applicable if the license was not being terminated.

After deciding that partial site release was likely to become an emerging issue, the staff proposed a rulemaking plan. The final rule is scheduled to be issued in 2002.

The presentation on the rulemaking plan covered the following topics:

1. the regulatory approach

2. the submittal requirements for impacted and nonimpacted areas (an impacted area is defined as one with some potential for residual activity, whereas a non-impacted area has no reasonable potential for residual activity and therefore no radiation surveys are required)

3. the addition of a new section (10 CFR 50.83) for partial release

4. the changes proposed to 10 CFR Part 20

5. the revisions to 10 CFR 50.75 requiring the establishment and maintenance of specific record keeping requirements (e.g., property line changes, radiological conditions) and

6. new provisions for public involvement (the NRC will notice receipt of the release request and make it available for public comment and will hold a public meeting in the vicinity of the site) regardless of the potential for residual activity.

The Committee raised a series of questions which the staff addressed. Among the questions asked was how risk-informed decisions are to be made vis-ávis the issue of unrestricted partial site release and whether the proposed rule could have been written to provide more flexibility.

The Committee approved the issuance of a letter from the Executive Director, ACRS/ACNW, recommending that the staff publish the rule, with the understanding that the Committee would like an opportunity to review the proposed final rule after public comments had been received and evaluated.

VII. LICENSE TERMINATION PLAN REVIEW—LESSONS LEARNED (OPEN)

[Howard J. Larson was the Designated Federal Official for this portion of the meeting.]

Dr. Wymer introduced Robert Nelson, Section Chief, NMSS, who discussed the following:

1. the current status of the License Termination Plan (LTP)
2. lessons learned to date in implementing the LTP
3. improvements that will be incorporated in the LTP in the future

Mr. Nelson described the status of the LTP review activities related to the Trojan, Maine Yankee, Connecticut Yankee, and Saxton nuclear reactors. It was noted that perhaps one of the most important lessons learned thus far was the need for early and frequent consultations between the NRC staff and the licensee. Among other important lessons learned were the following:

1. In-process inspections are more efficient than one-time confirmatory surveys.

2. Operational environmental monitoring of groundwater may be inadequate for site characterization.

3. The design of the final survey must involve the application of appropriate data quality objectives (viz., one needs to know where one is going before one starts the process).

4. To take advantage of the inherent flexibility in the Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM), a continuous dialog is needed.

5. Derivation of cleanup levels should include the assumptions and justification for parameters used.

6. A clear relationship is needed between the planned decommissioning activities and the associated cost estimate.

7. Old records are often inadequate or inaccurate.

8. Environmental impact reviews need to address nonradiological impacts (such as land use, hazardous wastes, water and air quality, and socioeconomic issues).

The proposed improvements include the following:

1. Early and frequent consultations with the licensee will be scheduled.

2. Project plans and schedules will be developed early in the process and communicated to the licensee.

3. A more expansive acceptance review is needed and will be performed.

4. A generic communication will be issued on the lessons learned thus far.

The Committee asked whether the staff had sufficient resources to perform the expected LTPs? The answer was yes. Currently, the staff assumes the reviews will take about 1 year. Another question was what were the biggest surprises in the reviews thus far. The staff said inadequate ground water characterization and inadequate characterization in general. The staff also expected the implementation of MARSSIM to be a problem.)

The Committee asked about the applicability of these lessons learned to nonreactors and was informed that most of these lessons applied but that to date relatively few materials facility licenses had been terminated. It was noted that the Sequoyah Fuels facility had been decommissioned and that the license termination process for that facility encompassed a wide range of facility and process challenges. The staff agreed to provide a presentation on that effort at a future meeting.

VIII. COMMISSION MEETING PREPARATION (OPEN)

[Lynn F. Deering was the Designated Federal Official for this portion of the meeting.]

The Committee discussed the following topics for its March 22, 2001, meeting with the Commission:

ACNW's Integrated Strategy To Evaluate the Staff's Licensing Capability and Sufficiency Review

- Integrated Strategy—Introduction
- ACNW's Vertical Slice Reviews
- Evaluation of Issue Resolution of KTIs
- Evaluation of Performance Assessment Tools—Total Performance Assessment and Preclosure Safety Assessment Codes
- Alloy-22 Corrosion Studies

IX. PROPOSED REVISIONS TO 10 CFR PART 71, "PACKAGING AND TRANSPORTATION OF RADIOACTIVE MATERIAL" (OPEN)

[Armajit Singh was the Designated Federal Official for this portion of the meeting.]

Mr. Levenson, ACNW, introduced the topic to the Committee. He stated that the purpose of the briefing was to discuss with the representatives of the NRC staff the proposed revisions to 10 CFR Part 71, "Packaging and Transportation of Radioactive Material." The NRC staff stated that the objective of the proposed rule is to make 10 CFR Part 71 compatible with ST-1, "The International Atomic Energy Agency (IAEA) Transportation Safety Standards." Based on the comparison, the staff identified 11 compatibility issues between 10 CFR Part 71 and ST-1 and considered the issues through the rulemaking process. The staff adopted changes to address nine of these issues in the proposed 10 CFR Part 71. Eight additional NRC-initiated issues were identified by the Commission and the staff for incorporation in the 10 CFR Part 71 rulemaking process. The staff plans to have three public meetings during the 90-day public comment period and will continue to coordinate with the Department of Transportation.

health benefit that might arise as a result of remediation in this area. Also, the level of protection would be equivalent to meeting the soil radium standard, to the extent practicable.

Alternatives to the Proposed Action

The proposed action is to amend NRC Source Material License SUA–648, for decommissioning of the windblown tailings area and application of alternative criteria (no remediation) for the residual byproduct material in a portion of the East Canyon Creek channel, as requested by Umetco. Therefore, the principal alternatives available to NRC are to:

1. Approve the license amendment request as submitted; or
2. Amend the license with such additional conditions as are considered necessary or appropriate to protect public health and safety and the environment; or
3. Deny the amendment request.

Based on its review, the NRC staff has concluded that the environmental impacts associated with the proposed action do not warrant either the limiting of Umetco's future operations or the denial of the license amendment. Additionally, in the TER prepared for this action, the staff has reviewed the licensee's proposed action with respect to the criteria for reclamation, specified in 10 CFR part 40, appendix A, and has no basis for denial of the proposed action. Therefore, the staff considers that Alternative 1 is the appropriate alternative for selection.

Finding of No Significant Impact

The NRC staff has prepared an EA for the proposed renewal of NRC Source Material License SUA–648. On the basis of this assessment, the NRC staff has concluded that the environmental impacts that may result from the proposed action would not be significant, and therefore, preparation of an Environmental Impact Statement is not warranted.

The EA and other documents related to this proposed action are available for public inspection and copying at the NRC Public Document Room, One White Flint North, 11555 Rockville Pike, Rockville, MD 20852.

Notice of Opportunity for Hearing

The Commission hereby provides notice that this is a proceeding on an application for a licensing action falling within the scope of 10 CFR part 2, subpart L, "Informal Hearing Procedures for Adjudications in Materials and Operators Licensing Proceedings," of the Commission's Rules of Practice for Domestic Licensing Proceedings and Issuance of Orders. Pursuant to § 2.1205(a), any person whose interest may be affected by this proceeding may file a request for a hearing. In accordance with § 2.1205(d), a request for a hearing must be filed within thirty (30) days from the date of publication of this Federal Register notice. The request for a hearing must be filed with the Office of the Secretary either:

(1) By delivery to the Rulemakings and Adjudications Staff of the Office of the Secretary at One White Flint North, 11555 Rockville Pike, Rockville, MD 20852; or

(2) By mail or telegram addressed to the Secretary, U.S. Nuclear Regulatory Commission, Washington, DC 20555, Attention: Rulemakings and Adjudications Staff.

In accordance with 10 CFR 2.1205(f), each request for a hearing must also be served, by delivering it personally or by mail to:

(1) The applicant, Umetco Minerals Corporation, PO 1029, Grand Junction, CO 81502;

(2) The NRC staff, by delivery to the General counsel, One White Flint North, 11555 Rockville Pike, Rockville, MD 20852, or

(3) By mail addressed to the General Counsel, U.S. Nuclear Regulatory Commission, Washington, DC 20555.

In addition to meeting other applicable requirements of 10 CFR part 2 of the Commission's regulations, a request for a hearing filed by a person other than an applicant must describe in detail:

(1) The interest of the requestor in the proceeding;

(2) How that interest may be affected by the results of the proceeding, including the reasons why the requestor should be permitted a hearing, with particular reference to the factors set out in § 2.1205(h);

(3) The requestor's areas of concern about the licensing activity that is the subject matter of the proceeding; and

(4) The circumstances establishing that the request for a hearing is timely in accordance with § 2.1205(d).

Any hearing that is requested and granted will be held in accordance with the Commission's "Informal Hearing Procedures for Adjudications in Materials and Operator Licensing Proceedings" in 10 CFR part 2, subpart L.

Dated at Rockville, Maryland, this 23rd day of February 2001.

For the Nuclear Regulatory Commission.

Philip Ting,

Chief, Fuel Cycle Licensing Branch, Division of Fuel Cycle Safety and Safeguards, Office of Nuclear Material Safety and Safeguards.

[FR Doc. 01–4959 Filed 2–28–01; 8:45 am]

BILLING CODE 7590–01–P

NUCLEAR REGULATORY COMMISSION

Advisory Committee on Nuclear Waste; Notice of Meeting

The Advisory Committee on Nuclear Waste (ACNW) will hold its 125th meeting on March 21–23, 2001, at 11545 Rockville Pike, Rockville, Maryland, Room T–2B3. The entire meeting will be open to public attendance. The schedule for this meeting is as follows:

Wednesday, March 21, 2001

A. *8:30–10 a.m.: Opening Statement/ Planning and Procedures* (Open)—The Chairman will open the meeting with brief opening remarks. The Committee will then review items under consideration at this meeting and consider topics proposed for future ACNW meetings.

B. *10:15–10:35 a.m.: DOE's Status Report on Key Technical Issue (KTI) Resolution* (Open)—The Committee will receive an update by a DOE representative as to the current status of the KTI resolution.

C. *10:35–12 Noon: Key Technical Issues—Vertical Slice Report* (Open)—The Committee members will present a report on their assigned KTIs.

D. *1–2 p.m.: Partial Release of a Reactor Facility or Site for Unrestricted Use* (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding the partial release of a reactor facility or site for unrestricted use.

E. *2–3 p.m.: License Termination Plan Review—Lessons Learned* (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding lessons learned from experience with the License Termination Plan.

F. *3:15–5 p.m.: Commission Meeting Preparation* (Open)—The Committee will discuss the topics scheduled for its March 22, 2001 meeting with the Commission.

G. *5–7 p.m.: Discussion of Proposed ACNW Reports* (Open)—The Committee will discuss proposed ACNW reports on Entombment, Partial Release of Reactor Facility or Site for Unrestricted Use, Lessons Learned from Experience with the License

Termination Plan, and High Level Waste Chemistry.

Thursday, March 22, 2001

H. *8:30–8:40 a.m.: Opening Remarks by the ACNW Chairman* (Open)—The ACNW Chairman will make opening remarks regarding the conduct of the meeting.

I. *8:40–10 a.m.: Commission Meeting Preparation* (Open)—The Committee will continue to discuss topics scheduled for its meeting with the Commission on March 22, 2001.

J. *10:30–12 Noon.: Meeting with the NRC Commissioners* (Open)—The Committee will meet with the NRC Commissioners, Commissioners' Conference Room, One White Flint North to discuss ACNW's Integrated Strategy to Evaluate Staff's Overall License Review Capability and Staff's Sufficiency Review of DOE's Site Recommendation Considerations Report (SRCR), and related matters.

K. *1–2:30 p.m.: Proposed Revisions to 10 CFR Part 71, "Packaging and Transportation of Radioactive Material"* (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding proposed revisions to 10 CFR Part 71.

L. *2:45–5:30 P.M.: ACNW 2001 Action Plan* (Open)—The Committee will finalize the ACNW Action Plan for CY 2001, review its self assessment for the year 2000, and other activities relevant to the conduct of Committee business.

Friday, March 23, 2001

M. *8:30–8:35 A.M.: Opening Remarks by the ACNW Chairman* (Open)—The ACNW Chairman will make opening remarks regarding the conduct of the meeting.

N. *8:35–10 a.m.: Meeting Reports* (Open)—The Committee will hear reports from the members and staff on meetings attended since the 124th ACNW Meeting, including the Waste Management 2001 Symposium, NWTRB Meeting, and joint meeting of the ACRS/ACNW Subcommittee on integrated safety assessment.

O. *10:15–1 p.m.: Discussion of Proposed ACNW Reports* (Open)—The Committee will continue its discussion of proposed ACNW reports.

P. *1–1:30 p.m.: 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.

Procedures for the conduct of and participation in ACNW meetings were published in the **Federal Register** on October 11, 2000 (65 FR 60475). In accordance with these procedures, oral or written statements may be presented by members of the public, electronic recordings will be permitted only during those portions of the meeting that are open to the public, and questions may be asked only by members of the Committee, its consultants, and staff. Persons desiring to make oral statements should notify Howard J. Larson, ACNW, as far in advance as practicable so that appropriate arrangements can be made to schedule the necessary time during the meeting for such statements. Use of still, motion picture, and television cameras during this meeting will be limited to selected portions of the meeting as determined by the ACNW Chairman. Information regarding the time to be set aside for taking pictures may be obtained by contacting the ACNW office, prior to the meeting. In view of the possibility that the schedule for ACNW meetings may be adjusted by the Chairman as necessary to facilitate the conduct of the meeting, persons planning to attend should notify Mr. Larson as to their particular needs.

Further information regarding topics to be discussed, whether the meeting has been canceled or rescheduled, the Chairman's ruling on requests for the opportunity to present oral statements and the time allotted therefore can be obtained by contacting Mr. Howard J. Larson, ACNW (Telephone 301/415–6805), between 8 a.m. and 5 p.m. EST.

ACNW meeting notices, meeting transcripts, and letter reports are now available for downloading or viewing on the internet at http://www.nrc.gov/ACRSACNW.

Videoteleconferencing service is available for observing open sessions of ACNW meetings. Those wishing to use this service for observing ACNW meetings should contact Mr. Theron Brown, ACNW Audiovisual Technician (301/415–8066), between 7:30 a.m. and 3:45 p.m. EST at least 10 days before the meeting to ensure the availability of this service. Individuals or organizations requesting this service will be responsible for telephone line charges and for providing the equipment and facilities that they use to establish the videoteleconferencing link. The availability of videoteleconferencing services is not guaranteed.

Dated: February 23, 2001.

Andrew L. Bates,

Advisory Committee Management Officer.

[FR Doc. 01–4957 Filed 2–28–01; 8:45 am]

BILLING CODE 7590–01–P

NUCLEAR REGULATORY COMMISSION

Advisory Committee on Reactor Safeguards Joint Meeting of the ACRS Subcommittees on Materials and Metallurgy, Thermal-Hydraulic Phenomena, and Reliability and Probabilistic Risk Assessment; Notice of Meeting

The ACRS Subcommittees on Materials and Metallurgy, Thermal-Hydraulic Phenomena, and Reliability and Probabilistic Risk Assessment will hold a joint meeting on March 16, 2001, Room T–2B3, 11545 Rockville Pike, Rockville, Maryland.

The entire meeting will be open to public attendance.

The agenda for the subject meeting shall be as follows:

Friday, March 16, 2001—8:30 a.m. until the conclusion of business.

The Subcommittees will discuss the status of risk-informed revisions to the technical requirements of 10 CFR 50.46 for emergency core cooling systems. The purpose of this meeting is to gather information, analyze relevant issues and facts, and to formulate proposed positions and actions, as appropriate, for deliberation by the full Committee.

Oral statements may be presented by members of the public with the concurrence of the Subcommittee Chairman. Written statements will be accepted and made available to the Committee. Electronic recordings will be permitted only during those portions of the meeting that are open to the public, and questions may be asked only by members of the Subcommittees, their consultants, and staff. Persons desiring to make oral statements should notify the cognizant ACRS staff engineer named below five days prior to the meeting, if possible, so that appropriate arrangements can be made.

During the initial portion of the meeting, the Subcommittees, along with any of their consultants who may be present, may exchange preliminary views regarding matters to be considered during the balance of the meeting.

The Subcommittees will then hear presentations by and hold discussions with representatives of the NRC staff and other interested persons regarding this review.

Further information regarding topics to be discussed, whether the meeting has been canceled or rescheduled, and the Chairman's ruling on requests for the opportunity to present oral statements and the time allotted therefor, can be obtained by contacting the cognizant ACRS staff engineer, Mr.

APPENDIX II

UNITED STATES
NUCLEAR REGULATORY COMMISSION
ADVISORY COMMITTEE ON NUCLEAR WASTE
WASHINGTON, D.C. 20555-0001

March 12, 2001

REVISED AGENDA
125th ACNW MEETING
MARCH 21-23, 2001

WEDNESDAY, MARCH 21, 2001, CONFERENCE ROOM 2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

1)	8:30 - 8:40 A.M.	Opening Statement (Open) (BJG/JTL) The Chairman will open the meeting with brief opening remarks, outline the topics to be discussed, and indicate several items of interest.
2)	8:40 - 10:00 A.M.	ACNW Planning and Procedures (Open) (BJG/ALL) The Committee will discuss the items noted below. 2.1) Commitments from the ACNW 124th meeting 2.2) Issues for the 125th ACNW meeting 2.3) Topics for May 2001 and beyond 2.4) EDO responses to Committee reports 2.5) EDO's list of future meeting topics 2.6) ACNW Calendar for 2001 2.7) Civilian Radioactive Waste Management Systems, Management and Operating Contractor meeting topics 2.8) Recent and planned attendance at outside meetings (including potential attendance -GMH/ML/JTL- 9th International HLW Conference, April 29 - May 3, 2001)
	9:30 - 9:50 ~~10:00~~ - ~~10:15~~ A.M.	***BREAK***
3)	~~10:15~~ - ~~10:35~~ A.M. 10:20 - 10:45	DOE's Status Report on Key Technical Issue (KTI) Resolution (Open) (GMH/AS) The Committee will receive an update by a DOE representative as to the current status of the KTI resolution.
4)	~~10:35~~ - 12:00 Noon 10:45	ACNW 2001 Action Plan (Open) (BJG/RKM/RPS, et al.) The Committee will finalize the ACNW Action Plan for CY 2001, review its self assessment for the year 2000, and other activities relevant to the conduct of Committee business.

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

5) 1:00 - 2:00 P.M. Partial Release of a Reactor Facility or Site for Unrestricted Use (Open) (RGW/HJL)
- 5.1) 1:00 - 1:30 P.M.: Presentation by the NRC staff.
- 5.2) 1:30 - 2:00 P.M.: Discussion between the ACNW members and staff.

6) 2:00 - 3:00 P.M. License Termination Plan Review - Lessons Learned (Open) (RGW/HJL)
- 6.1) 2:00 - 2:30 P.M.: Presentation by the NRC staff regarding lessons learned from the experience with the License Termination Plan.
- 6.2) 2:30 - 3:00 P.M.: Discussion between the ACNW members and staff.

3:00 - 3:15 P.M. *****BREAK*****

7) 3:15 - 5:00 P.M. Commission Meeting Preparation (Open) (All)
The Committee will discuss the topics scheduled for its March 22, 2001 meeting with the Commission.

8) 5:00 - ~~7:00~~ 6:35 P.M. Preparation of ACNW Reports (Open)
The Committee will discuss proposed reports on the following topics:
- 8.1) Entombment (RGW/HJL)
- 8.2) Partial Release of Reactor Site (RGW/HJL)
- 8.3) Lessons Learned - License Termination Plan (RGW/HJL)
- 8.4) High Level Waste Chemistry (RGW/ACC)

5:40 - 5:50 BREAK
5:50 - 6:35

THURSDAY, MARCH 22, 2001, CONFERENCE ROOM 2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

9) 8:30 - 8:40 A.M. Opening Statement (Open) (BJG/JEL)
The Chairman will make opening remarks regarding the conduct of today's sessions.

10) 8:40 - 10:00 A.M. Commission Meeting Preparation (Open) (ALL)
The Committee will continue to discuss topics scheduled for its meeting with the Commission on March 22, 2001.

10:00 - 10:30 A.M. *****BREAK*****

11) 10:30 - 12:00 Noon

Meeting with the NRC Commissioners (Open) (BJG, et al.)
Meeting with the NRC Commissioners, Commissioners' Conference Room, One White Flint North, to discuss the following:

11.1) ACNW's Integrated Strategy to Evaluate Staff's Overall License Review Capability and Staff's Sufficiency Review of DOE's Site Recommendation Considerations Report (SRCR), and related matters.
- a) Introduction to Integrated Strategy (BJG)
- b) Vertical Slice Review of SRCR and staff's Sufficiency Strategy (GMH)
- c) Evaluation of Issue Resolution of KTIs (ML)
- d) Evaluation of PA Tools - Total Performance Assessment (TPA) and Pre Closure Safety Assessment (PCSA) Codes (BJG)
- e) Alloy 22 Corrosion Studies (RGW)

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

12) 1:00 - ~~2:30~~ 2:05 P.M.

Proposed Revisions to 10 CFR Part 71, "Packaging and Transportation of Radioactive Material" (Open) (ML/AS)

12.1) 1:00 - 1:45 P.M.: Presentation by the NRC staff

12.2) 1:45 - 2:30 P.M.: Discussion between the ACRS members and the NRC staff.

2:05 2:35
~~2:30~~ - ~~2:45~~ P.M. ***BREAK***

13) ~~2:45~~ 2:35 - 4:15 P.M.

Key Technical Issues - Vertical Slice Report (Open) (BJG/LFD)
The Committee members will present a report on their assigned KTIs.

13.1) Saturated Zone Flow (GMH/LFD)

13.2) Container Life and Source Term (RGW/ACC)

13.3) Thermal Effects on Flow (ML/RKM)

Note: Total System Performance Assessment vertical slice to be discussed after Technical Exchange.

14) 4:15 - 7:00 P.M.

Preparation of ACNW Reports (Open)
The Committee will continue its discussion of proposed reports on the following topics:

14.1) Proposed Revisions to 10 CFR Part 71(ML/AS)

14.2) Entombment (RGW/HJL)

14.3) Partial Release of Reactor Site (RGW/HJL)

14.4) Lessons Learned - License Termination Plan (RGW/HJL)
14.5) High Level Waste Chemistry (RGW/ACC)
14.6) Action Plan (BJG/RKM/RPS)

FRIDAY, MARCH 23, 2001, CONFERENCE ROOM 2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

15) 8:30 - 8:35 A.M.

Opening Statement (Open) (BJG/SD)
The Chairman will make opening remarks regarding the conduct of today's sessions.

16) 8:35 - 10:00 A.M.

Meeting Reports (Open) (ALL)
The Committee will hear reports from the Members and staff on meetings attended since the 124th ACNW meeting.
16.1) Waste Management 2001 Symposium (RGW/JEL)
16.2) NWTRB Meeting - January 2001 (LFD)
16.3) Joint ACRS/ACNW ISA Meeting - January 19, 2001 (ML)

10:00 - 10:15 A.M. ***BREAK***

17) 10:15 - 12:00 Noon

Preparation of ACNW Reports (Open)
The Committee will continue its discussion of proposed reports on the following topics:
17.1) Proposed Revisions to 10 CFR Part 71(ML/AS)
17.2) Entombment (RGW/HJL)
17.3) Partial Release of Reactor Site (RGW/HJL)
17.4) Lessons Learned - License Termination Plan (RGW/HJL)
17.5) High Level Waste Chemistry (RGW/ACC)
17.6) Action Plan (BJG/RKM/RPS)

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

18) 1:00 - 1:30 P.M.

Miscellaneous (Open) (BJG/JEL)
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.

1:30 P.M. Adjourn 125th Meeting

NOTE:

- 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.

APPENDIX III: MEETING ATTENDEES

125TH ACNW MEETING
MARCH 21–22, 2001

ACNW STAFF

Andrew Campbell
Lynn Deering
Michele Kelton
John Larkins
Howard Larson
Richard Major
Richard Savio
Armajit Singh

ATTENDEES FROM THE NUCLEAR REGULATORY COMMISSION

MARCH 21, 2001

Richard Turtil	NMSS/DWM
Matt Blevins	NMSS/DWM
Jim Andersen	NMSS/DWM
Bret Leslie	NMSS/DWM
Diane Flack	OCM/NJD
Philip Justus	NMSS/DWM/HLW
Latif Hamdan	NMSS/DWM/HLW
Mike Ripley	NRR/DRIP
Tae Ahn	NMSS/DWM
Phil Reed	RES/DRAA
Jean-Claude Dehmel	NMSS/DWM/DCB
William Beckner	NRR/DRIP
Stewart Schneider	NMSS/DWM
Richard s. Clement	NMSS/DWM
Chris McKenney	NMSS/DWM
Cindi Carpenter	NRR/DRIP
Melinda Malloy	NRR/DRIP
Bob Nelson	NMSS/DWM
Stephanie Bush-Goddard	NMSS/IMNS

APPENDIX III
125th ACNW Meeting
March 21-22, 2001

MARCH 22, 2001

Matt Blevins	NMSS/DWM/EPAB
Dave Esh	NMSS/DWM/EPAB
Tamara Bloomer	NMSS/DWM/HLWB
Kim Gruss	OCM
Phil Brochman	NMSS/SFPO
Rob Temps	NMSS/SFPO
Michael Tokar	NMSS/SFPO
David Pstrak	NMSS/SFPO
Naiem Tanious	NMSS/IMNS
John Cook	NMSS/SFPO
Allen Howe	NMSS/IMNS
Diane Flack	OCM/NJD
Torre Taylor	NMSS/IMNS
Jayne McCausland	NMSS/IMNS
Tae Ahn	NMSS/DWM
Jeff Ciocco	NMSS/DWM
Stephanie Bush-Goddard	NMSS/IMNS/RGB
Hans Arlt	NMSS/DWM

ATTENDEES FROM OTHER AGENCIES AND GENERAL PUBLIC

MARCH 21, 2001

Susan Zimmerman	State of Nevada
Ray Wallace	USGS (Retired)
Fred Stetson	Parallax, Inc.
Stan Echols	Winston & Strawn
Edward D. Scalski	TEC
Alan Nakashima	BSC
Steve Hanauer	DOE
Scott T. Shepherd	Exchange Monitor Publications
Carol Hanlon	DOE-YMP
Thecla Fabian	Nuclear Waste News

APPENDIX III
125th ACNW Meeting
March 21-22, 2001

ATTENDEES FROM OTHER AGENCIES AND GENERAL PUBLIC (CONT'D)

MARCH 22, 2001

Ray Wallace	USGS (Retired)
Dennis R. Williams	DOE OCRWM YMP
Fred Stetson	Parallax, Inc.
Aaron Barkatt	Catholic University of America
Susan Zimmerman	State of Nevada
John M. Wilson	TEC
Eric Wieser	Business Publishers/NWN
Edward Burns	Washington Group International
Jack Hess	Senator Harry Reid
Tim Sweeney	BSC
Alan Nakashimi	BSC
Lisa Gue	Public Citizen
Hugh Thompson	Turner Harper
Carol Hanlon	DOE-YMP
Stan Echols	Winston & Strawn
Rod McCullum	NEI
Edward D. Scalsky	TEC
Dave Diodato	U.S. Nuclear Waste Technical Review Board

APPENDIX IV: FUTURE AGENDA

The Committee agreed to consider the following during the 126th ACNW Meeting, May 15–17, 2001.

- **Planning and Procedures** —The Committee will review items under consideration at this meeting and consider topics proposed for future ACNW meetings.

- **Status Report on Sufficiency Review** — The Committee will be briefed by an NRC staff representative on the current status of the staff's sufficiency review.

- **Key Technical Issues—Vertical Slice Report** — The Committee members will present a progress report on their assigned key technical issues (KTIs).

- **Overview of Sequoyah Fuels** — The Committee will be briefed by the NRC staff on the current status of activities at the Sequoyah Fuels Corporation Facility.

- **Discussion of Proposed ACNW Reports** — The Committee will discuss proposed ACNW reports on entombment, proposed revisions to 10 CFR Part 71, high-level waste chemistry, the status of its sufficiency review, and a response to a Commission Staff Requirements Memorandum issued as a result of the ACNW's March 22, 2001, presentation.

- **Meeting With the Deputy Director, Office of Nuclear Material Safety and Safeguards (Tentative)** — The Committee will meet with the Deputy Director of the Office of Nuclear Material Safety and Safeguards (NMSS) to discuss items of mutual interest.

APPENDIX V
LIST OF DOCUMENTS PROVIDED TO THE COMMITTEE

[Note: Some documents listed below may have been provided or prepared for Committee use only. These documents must be reviewed prior to release to the public.]

MEETING HANDOUTS

AGENDA ITEM NO.	DOCUMENTS
2	**ACNW Planning and Procedures**
	1. Reconciliation of ACNW Comments and Recommendations **[Handout, Agenda Item 2.4]**
	2. Key Technical Issues — Status Overview **[Viewgraphs]**
	3. DOE/NRC Interactions Calendar **[Handout, Agenda 2.7]**
5	**Partial Release of a Reactor Facility or Site for Unrestricted Use**
	4. Partial Site Release, March 21, 2001, presented by Mike Ripley, NRR, and Paul Harris, NRR **[Viewgraphs]**
6	**License Termination Plan Review - Lessons Learned**
	5. License Termination Plan - Lessons Learned, presented by Robert Nelson, Chief, Facilities Decommissioning Section, March 21, 2001 **[Handout]**
12	**Proposed Revisions to 10 VFR Part 71, "Packaging and Transportation of Radioactive Material"**
	6. Summary of Part 71 Proposed Rule, Briefing of the ACNW, March 22, 2001, Division of Industrial and Medical Nuclear Safety, Spent Fuel Project Office, NMSS **[Viewgraphs]**
13	**Key Technical Issues - Vertical Slice**
	7. Key Technical Issues — Status Overview, presented to ACNW, presented by Carol Hanlon, Yucca Mountain Site Characterization Office, DOE **[Viewgraphs]**
	8. KTI Agreement Documents **[Handout]**
	9. Key Technical Issues, Letter dated March 11, 2001, from W. Reamer to S. Brocoum on Future Technical Exchange Meetings **[Handout, Agenda Item 13]**

Appendix V
125th ACNW Meeting
March 21–22, 2001

MEETING NOTEBOOK CONTENTS

TAB NUMBER	DOCUMENTS
1	**Opening Remarks by ACNW Chairman**
	1. Revised Agenda, 125th ACNW Meeting, March 21–23, 2001, dated March 12, 2001
	2. Introductory Statement by the ACNW Chairman, Wednesday, March 21, 2001
	3. Items of Current Interest, undated
	4. ACNW Meeting Handout, Items of Current Interest, Speeches by Chairman Meserve and Commissioners Dicus and Merrifield
	5. Introductory Statement by the ACNW Chairman, Thursday, March 22, 2001, undated
	6. Introductory Statement by the ACNW Chairman, Friday, March 23, 2001, undated
	7. Color Code for ACNW Proposed Letter Reports, dated March 12, 2001
2	**ACNW Planning and Procedures**
	8. Table of Contents
	9. Review and Affirm Assignments and Commitments Made at the 124th Meeting (handout)
	10. Staff Review Issues/Topics/Status Reports for March (125th) Meeting Agenda
	11. Topics for May 2001 ACNW Meeting and Beyond
	12. EDO Responses to ACNW Letter Report on "Exemption in 10 CFR Part 40 for Materials Less Than 0.05 percent Source Material—Options and Other Issues Concerning the Control of Source Material"
	13. EDO's List of Future Meeting Topics
	14. ACNW Meeting Calendar for 2001
	15. CRWMS/M&O Meeting Topics
	16. Committee/Staff Projected Travel Plans and Outside Meetings
	17. Future Nuclear Waste Technical Review Board Meetings
3	**Department of Energy's Status Report on Key Technical Issues**
	18. Table of Contents
	19. Proposed Schedule
	20. Status Report

MEETING NOTEBOOK CONTENTS (CONT'D)

TAB NUMBER	DOCUMENTS
3 (cont'd)	**Department of Energy's Status Report on Key Technical Issues**
	21. Report to NRC Chairman, Richard A. Meserve from B. John Garrick, Chairman, ACNW, Subject: NRC High Level Radioactive Waste Key Technical Issues Resolution Process, dated February 8, 2001
4	**ACNW 2001 Action Plan**
	22. Table of Contents 23. Memorandum dated March 7, 2001, from Richard Major, ACNW, to ACNW Members and Staff, Subject: 2001 ACNW Action Plan with attachments **[For Internal Committee Use Only]**
5	**Partial Release of a Reactor Facility or Site for Unrestricted Use**
	24. Table of Contents 25. Status Report 26. SECY-01-XX, "Proposed Rule to Standardize the Process for Allowing a Licensee to Release Part of Its Reactor Facility or Site for Unrestricted Use Before NRC Has Approved Its License Termination Plan," January XX, 2001, with Attachments **[For Internal Committee Use Only]** 27. SECY-00-0123, "Rulemaking Plan to Standardize the Process for Allowing a Licensee to Release Part of Its Reactor Facility or Site for Unrestricted Use Before NRC Has Approved Its License Termination Plan," February 2, 2000 28. Staff Requirements - SECY-00-0023, "Rulemaking Plan to Standardize the Process for Allowing a Licensee to Release Part of Its Reactor Facility or Site for Unrestricted Use Before NRC Has Approved Its License Termination Plan," April 26, 2000
6	**License Termination Plan Review - Lessons Learned**
	29. Table of Contents 30. Status Report 31. 10 CFR Part 20, Subpart E, "Radiological Criteria for License Termination"

MEETING NOTEBOOK CONTENTS (CONT'D)

TAB NUMBER	DOCUMENTS
12	**Proposed Revisions to 10 VFR Part 71, "Packaging and Transportation of Radioactive Material"**
	32. Table of Contents 33. Proposed Schedule 34. Status Report 35. Memorandum dated May 5, 2000, from Amarjit Singh, Senior Staff Engineer, ACNW, to ACNW Members, Subject: Summary of Commission Paper for Major Revision to 10 CFR Part 71: Compatibility With ST-1, "The International Atomic Energy Agency (IAEA)"
13	**Key Technical Issues - Vertical Slice**
	36. Table of Contents 37. Status Report 38. E-mail dated February 13, 2001, from George Hornberger to Lynn Deering, ACNW, Subject: Vertical Slice Material and **Predecisional Draft Slides** for Vertical Slice Presentation 39. E-mail dated February 27, 2001, from Lynn Deering, ACNW, to ACNW Members, regarding Sufficiency Review 40. Draft Template for Vertical Slice 41. Draft Material From Integrated Issue Resolution Status Report on Relationship Between Integrated Subissues and Key Technical Issues 42. ACNW Audit Review of High-Level Waste Chemistry Issues for the Yucca Mountain Site Recommendation **[Draft - Predecisional]** 43. Thermal Effects on Flow...Vertical Slice Update Number 1 **[Draft - Predecisional]** 44. Summary Highlights of NRC/DOE Technical Exchange and Management Meeting on Thermal Effects, January 8-9, 2001, Pleasanton, CA
16	**Meeting Reports**
	45. Table of Contents — Joint ACRS/ACNW Integrated Safety Assessment Meeting, January 19, 2001 46. Subcommittee Report