



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
WASHINGTON, DC 20555 - 0001**

February 25, 2010

The Honorable Gregory B. Jaczko
Chairman
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

SUBJECT: SUMMARY REPORT - 569th MEETING OF THE ADVISORY COMMITTEE ON REACTOR SAFEGUARDS, FEBRUARY 4, 2010, AND OTHER RELATED ACTIVITIES OF THE COMMITTEE

Dear Chairman Jaczko:

During its 569th meeting, February 4, 2010, the Advisory Committee on Reactor Safeguards (ACRS) discussed several matters and completed the following reports:

REPORTS

Reports to Gregory B. Jaczko, Chairman, NRC, from Said Abdel-Khalik, Chairman, ACRS:

- Draft Final Regulatory Guide 1.217, "Guidance for the Assessment of Beyond-Design-Basis Aircraft Impacts," dated February 18, 2010
- Draft Final NUREG-1520 Revision 1, "Standard Review Plan for Review of a License Application for a Fuel Cycle Facility," dated February 22, 2010

In addition, the following memorandum, resulting from the November 2009 ACRS mini-retreat, was completed subsequent to the February 2010 full committee meeting:

MEMORANDUM

Memorandum to R. W. Borchardt, Executive Director for Operations, NRC, from Edwin M. Hackett, Executive Director, ACRS:

- ACRS Review of Amendments to Previously Certified Designs, dated February 17, 2010

HIGHLIGHTS OF KEY ISSUES

1. Draft ACRS Report on the NRC Safety Research Program

The ACRS provides the Commission a biennial report, presenting the Committee's observations and recommendations concerning the overall NRC Safety Research Program. During the February meeting, the Committee discussed its draft 2010 report to the Commission on the NRC Safety Research Program.

Committee Action

The Committee plans to finalize the discussion of its draft report on the NRC safety research program during its March 2010 meeting. The report will be issued to the Commission shortly thereafter.

2. Draft Final Regulatory Guide 1.217, "Guidance for the Assessment of Beyond-Design-Basis Aircraft Impacts"

The Committee met with representatives of the NRC staff and the industry to discuss the final draft of Regulatory Guide 1.217, "Guidance for the Assessment of Beyond-Design-Basis Aircraft Impacts." This Regulatory Guide endorses a document prepared by the Nuclear Energy Institute (NEI), titled NEI 07-13, Revision 7, "Methodology for Performing Aircraft Impact Assessments for New Plant Designs," dated May 2009. The methodology described in NEI 07-13 was developed to assist nuclear plant designers and license applicants in assessing the structural damage and fire effects caused by the impact of a large commercial aircraft on nuclear reactor structures.

Committee Action

The Committee issued a letter report to the NRC Chairman on this matter, dated February 18, 2010, commending the efforts of the staff and the industry in developing a tractable methodology to address a technically challenging problem. The Committee concluded that the Regulatory Guide should be issued after incorporation of changes addressing how uncertainties in the analysis will be considered in demonstrating compliance with 10 CFR 50.150, and the potential shortcomings of NEI 07-13 regarding spurious actuations due to fires.

[Note: In order to protect unclassified security related/safeguards information, a large portion of this briefing was closed to the public. For the same reason, the ACRS letter report will not be made available to the public.]

3. Draft Final Revision 1 to Regulatory Guide 1.62, "Manual Initiation of Protective Actions"

The Committee met with representatives of the NRC staff to discuss draft final Revision 1 to Regulatory Guide 1.62, "Manual Initiation of Protective Actions." The staff provided an overview of the proposed changes to the regulatory guide which included: referencing the current IEEE Standard 603-1991 in addition to IEEE Standard 279-1971, changing "system level" to "division level" as the reference point for manual initiations, removing the "minimum-common-equipment guidance", and addressing manual initiation of digital control systems. Regulatory Guide 1.62 is also being revised to expand its scope with two new positions to include guidance for Diversity and Defense-in-Depth (D3) in accordance with NUREG-800 and Branch Technical Position 7-19, and to include an option to pursue either safety-related and non-safety manual actions separately, or as a single safety manual initiation. Also addressed by the staff was the resolution of public comments regarding the proposed regulatory guide.

Committee Action

Due to the bad weather, which caused the ACRS meeting to be shortened to only one day, the Committee will issue a letter report to the NRC Chairman on this matter after the March 4-6, 2010, meeting.

4. Proposed Revisions to NUREG-1520, "Standard Review Plan for Review of a License Application for a Fuel Cycle Facility"

The Committee met with representatives of the NRC staff to discuss the proposed modifications in draft final NUREG-1520 Revision 1, "Standard Review Plan (SRP) for Review of a License Application for a Fuel Cycle Facility (FCF)." The staff provided an overview of the proposed changes to the SRP. The Standard Review Plan is being updated to increase technical clarification and add guidance in areas where information was lacking or temporarily addressed by interim staff guidance. These changes also improve the linkage between review efforts and regulatory requirements, incorporate previous interim staff guidances, update references, and incorporate lessons learned from licensing experience. Also added was guidance on level-of-detail in descriptions of facility processes as well as items relied on for safety (IROFS). Four appendices were added to Chapter 3 (Integrated Safety Analysis) to provide guidance on risk topics such as inclusion of natural phenomena hazards, validation of initiating event frequencies, and clarification on the proper use of the semi-quantitative risk index methodology.

Committee Action

The Committee issued a letter report to the NRC Chairman on this matter, dated February 22, 2010, concluding that NUREG-1520 Revision 1 should be issued. The Committee also recommended the NRC staff to continue to move in the direction of risk-informed regulations using analytic techniques and terminology consistent with other Agency applications. Additionally, as follow-on activities for developing and reporting the results of Integrated Safety Assessments, attention should be given to: (1) fire-induced "hot shorts" and their potential to place systems in conditions other than a failsafe condition; (2) assessment of chemical hazards including accident sequences that may result in injuries as well as fatalities; and (3) treatment of the safety-security interface consistent with other ongoing regulatory initiatives.

RECONCILIATION OF ACRS COMMENTS AND RECOMMENDATIONS/EDO COMMITMENTS

Due to the bad weather, which caused the ACRS meeting to be shortened to only one-day, this activity will now take place during the March meeting.

SCHEDULE FOR THE 570th ACRS MEETING

The following topics are scheduled for the 570th ACRS meeting, to be held on March 4-6, 2010:

- Draft Final Interim Staff Guidance on Fuel Cycle (ISG-7)
- Draft Final Regulatory Guide 1.141, "Containment Isolation Provisions for Fluid Systems"
- Draft Revision 1 to Regulatory Guide 4.11, "Terrestrial Environmental Studies for Nuclear Power Stations"
- Status of Rulemaking for Disposal of Depleted Uranium and Other Unique Waste Streams
- Draft ACRS Report on the NRC Safety Research Program
- Digital Instrumentation and Control Design Acceptance Criteria Inspection Methodology

- New Advanced Reactor Designs
- Meeting with the NRC Executive Director for Operations

Sincerely,

/RA/

Said Abdel-Khalik
Chairman

- New Advanced Reactor Designs
- Meeting with the NRC Executive Director for Operations

Sincerely,

/RA/

Said Abdel-Khalik
Chairman

Distribution:

ACRS Branch A
ACRS Branch B
E. Hackett
H. Nourbakhsh
M. Afshar-Tous
C. Jaegers
T. Bloomer
B. Champ
A. Bates
S. McKelvin
L. Mike
J. Ridgely
RidsSECYMailCenter
RidsEDOMailCenter
RidsNMSSOD
RidsNSIROD
RidsFSMEOD
RidsRESOD
RidsOIGMailCenter
RidsOGCMailCenter
RidsOCAAMailCenter
RidsOCAMailCenter
RidsNRROD
RidsNROOD
RidsOPAMail
RidsRGN1MailCenter
RidsRGN2MailCenter
RidsRGN3MailCenter
RidsRGN4MailCenter

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If Sensitive, which category?

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OFFICE	ACRS	SUNSI Review	ACRS	ACRS
NAME	ADias	ADias	EHackett	EHackett for SAbdel-Khalik
DATE	2/25 /10	2/25 /10	2/23/10	2/25/10

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
WASHINGTON, DC 20555 - 0001

April 8, 2010

MEMORANDUM TO: Sherry Meador, Technical Secretary
Advisory Committee on Reactor Safeguards

FROM: Cayetano Santos, Chief */RA/*
Reactor Safety Branch
Advisory Committee on Reactor Safeguards

SUBJECT: MINUTES OF THE 569th MEETING OF THE ADVISORY
COMMITTEE ON REACTOR SAFEGUARDS (ACRS),
FEBRUARY 4, 2010

I certify that based on my review of the minutes from the 569th ACRS Full Committee meeting, and to the best of my knowledge and belief, I have observed no substantive errors or omissions in the record of this proceeding subject to the comments noted below.

ML100970616

OFFICE	ACRS	ACRS:RSB/Sunsi
NAME	SMeador	CSantos/sam
DATE	04/ 07 /10	04/ 07 /10

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CERTIFIED

Date Certified: 4/8/2010

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MINUTES OF THE 569th ACRS MEETING

February 4, 2010

- I. Opening Remarks by the ACRS Chairman (Open)
- II. Draft ACRS Report on the NRC Safety Research Program (Open)
- III. Draft Final Regulatory Guide 1.217, "Guidance for the Assessment of Beyond Design-Basis Aircraft Impacts (Open/Closed)
- IV. Draft Final Revision 1 to Regulatory Guide 1.62, "Manual Initiation of Protective Actions" (Open)
- V. Proposed Revisions to NUREG-1520, "Standard Review Plan for Review of a License Application for a Fuel Cycle Facility" (Open)
- V. Executive Session (Open) **The February 5, 2010 ACRS Committee session was canceled due to bad weather conditions.**
 - A. Reconciliation of ACRS Comments and Recommendations
 - B. Report on the Meeting of the Planning and Procedures Subcommittee Held on Wednesday February 3, 2010.

Appendices

- Appendix I – *Federal Register* Notice
- Appendix II – Meeting Schedule and Outline
- Appendix III – Attendance List
- Appendix IV – Future Agenda
- Appendix V – List of Meeting Handouts

During its 569th meeting, February 4, 2010, the Advisory Committee on Reactor Safeguards (ACRS) discussed several matters and completed the following reports:

REPORTS

Reports to Gregory B. Jaczko, Chairman, NRC, from Said Abdel-Khalik, Chairman, ACRS:

- Draft Final Regulatory Guide 1.217, "Guidance for the Assessment of Beyond-Design-Basis Aircraft Impacts," dated February 18, 2010
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MEMORANDUM

Memorandum to R. W. Borchardt, Executive Director for Operations, NRC, from Edwin M. Hackett, Executive Director, ACRS:

- ACRS Review of Amendments to Previously Certified Designs, dated February 17, 2010

MINUTES OF THE 569th MEETING OF THE
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS

ROCKVILLE, MARYLAND

The 569th meeting of the Advisory Committee on Reactor Safeguards (ACRS) was held in Conference Room 2B3, Two White Flint North Building, Rockville, Maryland, on February 4, 2010. Notice of this meeting was published in the *Federal Register* on January 27, 2010 (72 FR 4428) (Appendix I). The purpose of this meeting was to discuss and take appropriate action on the items listed in the meeting schedule and outline (Appendix II). The meeting was open to public attendance.

A transcript of selected portions of the meeting is available in the NRC's Public Document Room at One White Flint North, Room 1F-19, 11555 Rockville Pike, Rockville, Maryland. 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 at no cost to download from, or review on, the Internet at <http://www.nrc.gov/ACRS/ACNW>.

ATTENDEES

ACRS Members: Dr. Said Abdel-Khalik (Chairman), Mr. J. Sam Armijo (Vice-Chairman), Mr. John Stetkar (Member-at-Large), Dr. George E. Apostolakis, Dr. Sanjoy Banerjee, Dr. Dennis Bley, Mr. Charles Brown, Dr. Michael Corradini, Mr. Otto L. Maynard, Dr. Dana A. Powers, Dr. Michael Ryan, Dr. William Shack, and Mr. John Sieber. Member Harold Ray did not attend due to inclement weather. For a list of other attendees see Appendix III.

I. Chairman's Report (Open)

[Note: Mr. Edwin Hackett was the Designated Federal Official for this portion of the meeting.]

Dr. Said Abdel-Khalik, Committee Chairman, convened the meeting at 8:30 a.m. In his opening remarks he announced that the meeting was being conducted in accordance with the provisions of the Federal Advisory Committee Act. He reviewed the agenda items for discussion and noted that no written comments or requests for time to make oral statements from members of the public had been received. Dr. Bonaca also noted that a transcript of the open portions of the meeting was being kept and speakers were requested to identify themselves and speak with clarity and volume.

II. Draft ACRS Report on the NRC Safety Research Program

[Note: Dr. Hossein Nourbakhsh was the Designated Federal Official for this portion of the meeting.]

The ACRS provides the Commission a biennial report, presenting the Committee's observations and recommendations concerning the overall NRC Safety Research Program. During the February meeting, the Committee discussed its draft 2010 report to the Commission on the NRC Safety Research Program. The Committee plans to finalize the discussion of its draft report on the NRC safety research program during its March 2010 meeting. The report will be issued to the Commission shortly thereafter.

III. Draft Final Regulatory Guide 1.217, "Guidance for the Assessment of Beyond-Design-Basis Aircraft Impacts"

[Note: Ms. Maitri Banerjee was the Designated Federal Office for this portion of the meeting.]

The Committee met with representatives of the NRC staff and the industry to discuss the final draft of Regulatory Guide 1.217, "Guidance for the Assessment of Beyond-Design-Basis Aircraft Impacts." This Regulatory Guide endorses a document prepared by the Nuclear Energy Institute (NEI), titled NEI 07-13, Revision 7, "Methodology for Performing Aircraft Impact Assessments for New Plant Designs," dated May 2009. The methodology described in NEI 07-13 was developed to assist nuclear plant designers and license applicants in assessing the structural damage and fire effects caused by the impact of a large commercial aircraft on nuclear reactor structures.

The Committee issued a letter report to the NRC Chairman on this matter, dated February 18, 2010, commending the efforts of the staff and the industry in developing a tractable methodology to address a technically challenging problem. The Committee concluded that the Regulatory Guide should be issued after incorporation of changes addressing how uncertainties in the analysis will be considered in demonstrating compliance with 10 CFR 50.150, and the potential shortcomings of NEI 07-13 regarding spurious actuations due to fires.

[Note: In order to protect unclassified security related/safeguards information, a large portion of this briefing was closed to the public. For the same reason, the ACRS letter report will not be made available to the public.]

IV. Draft Final Revision 1 to Regulatory Guide 1.62, "Manual Initiation of Protective Actions"

[Note: Ms. Christina Antonescu was the Designed Federal Official for this portion of the meeting.]

The Committee met with representatives of the NRC staff to discuss draft final Revision 1 to Regulatory Guide 1.62, "Manual Initiation of Protective Actions." The staff provided an overview of the proposed changes to the regulatory guide which included: referencing the current IEEE

Standard 603-1991 in addition to IEEE Standard 279-1971 , changing "system level" to "division level" as the reference point for manual initiations, removing the "minimum-common-equipment guidance", and addressing manual initiation of digital control systems. Regulatory Guide 1.62 is also being revised to expand its scope with two new positions to include guidance for Diversity and Defense-in-Depth (D3) in accordance with NUREG-800 and Branch Technical Position 719, and to include an option to pursue either safety-related and non-safety manual actions separately, or as a single safety manual initiation. Also addressed by the staff was the resolution of public comments regarding the proposed regulatory guide.

Due to the bad weather, which caused the ACRS meeting to be shortened to only one day, the Committee will issue a letter report to the NRC Chairman on this matter after the March 4-6, 2010, meeting.

V. Proposed Revisions to NUREG-1520, "Standard Review Plan for Review of a License Application for a Fuel Cycle Facility"

[Note: Mr. Neil Coleman was the Designated Federal Official for this portion of the meeting.]

The Committee met with representatives of the NRC staff to discuss the proposed modifications in draft final NUREG-1520 Revision 1, "Standard Review Plan (SRP) for Review of a License Application for a Fuel Cycle Facility (FCF)." The staff provided an overview of the proposed changes to the SRP. The Standard Review Plan is being updated to increase technical clarification and add guidance in areas where information was lacking or temporarily addressed by interim staff guidance. These changes also improve the linkage between review efforts and regulatory requirements, incorporate previous interim staff guidances, update references, and incorporate lessons learned from licensing experience. Also added was guidance on level-of-detail in descriptions of facility processes as well as items relied on for safety (IROFS). Four appendices were added to Chapter 3 (Integrated Safety Analysis) to provide guidance on risk topics such as inclusion of natural phenomena hazards, validation of initiating event frequencies, and clarification on the proper use of the semi-quantitative risk index methodology.

The Committee issued a letter report to the NRC Chairman on this matter, dated February 22, 2010, concluding that NUREG-1520 Revision 1 should be issued. The Committee also recommended the NRC staff to continue to move in the direction of risk-informed regulations using analytic techniques and terminology consistent with other Agency applications. Additionally, as follow-on activities for developing and reporting the results of Integrated Safety Assessments, attention should be given to: (1) fire-induced "hot shorts" and their potential to place systems in conditions other than a failsafe condition; (2) assessment of chemical hazards including accident sequences that may result in injuries as well as fatalities; and (3) treatment of the safety-security interface consistent with other ongoing regulatory initiatives.

VI. Executive Session

[Note: Mr. Edwin Hackett was the Designated Federal Official for this portion of the meeting.]

- A. Reconciliation of ACRS Comments and Recommendations/EDO Commitments
- B. Report of the Planning and Procedures Subcommittee Meeting

Due to inclement weather, which caused the ACRS meeting to be shortened to only one day, these activities did not take place during the March 2010 meeting.

C. Future Meeting Agenda

Appendix IV summarizes the proposed items endorsed by the Committee for the 570th ACRS Meeting, March 4-6, 2010.

A list of documents that were provided to the Committee during the 569th ACRS Meeting is listed in Appendix V.

The meeting was adjourned at 12:00 Noon on February 5, 2010.

scope of the supplement to the GEIS. Additionally, the NRC staff will host informal discussions one hour prior to the start of each session at the same location. No formal comments on the proposed scope of the supplement to the GEIS will be accepted during the informal discussions. To be considered, comments must be provided either at the transcribed public meetings or in writing, as discussed below. Persons may register to attend or present oral comments at the meetings on the scope of the NEPA review by contacting the NRC Project Manager, Mr. Andrew L. Stuyvenberg, by telephone at 1-800-368-5642, extension 4006 or by e-mail at Andrew.Stuyvenberg@nrc.gov no later than February 26, 2010. Members of the public may also register to speak at the meeting within 15 minutes of the start of each session. Individual oral comments may be limited by the time available, depending on the number of persons who register. Members of the public who have not registered may also have an opportunity to speak, if time permits. Public comments will be considered in the scoping process for the supplement to the GEIS. Mr. Stuyvenberg will need to be contacted no later than February 26, 2010, if special equipment or accommodations are needed to attend or present information at the public meeting, so that the NRC staff can determine whether the request can be accommodated.

Members of the public may send written comments on the environmental scope of the DCP, Units 1 and 2, license renewal review to: Chief, Rulemaking and Directives Branch, Division of Administrative Services, Office of Administration, Mailstop TWB 5B-01M, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, and should cite the publication date and page number of this **Federal Register** notice. To be considered in the scoping process, written comments should be postmarked by April 10, 2010. Electronic comments may be sent by e-mail to the NRC at DiabloCanyonEIS@nrc.gov, and should be sent no later than April 10, 2010, to be considered in the scoping process. Comments will be available electronically and accessible through ADAMS at <http://adamswebsearch.nrc.gov/dologin.htm>.

Participation in the scoping process for the supplement to the GEIS does not entitle participants to become parties to the proceeding to which the supplement to the GEIS relates. Matters related to participation in any hearing are outside the scope of matters to be discussed at this public meeting.

Dated at Rockville, Maryland, this 20th day of January, 2010.

For the Nuclear Regulatory Commission.

David J. Wrona,

Chief, Projects Branch 2, Division of License Renewal, Office of Nuclear Reactor Regulation.

[FR Doc. 2010-1647 Filed 1-26-10; 8:45 am]

BILLING CODE 7590-01-P

NUCLEAR REGULATORY COMMISSION

Advisory Committee On Reactor Safeguards; Revised Meeting Notice

The Agenda for the 569th ACRS meeting, scheduled to be held on February 4-6, 2010, has been revised as noted below. Notice of this meeting was previously published in the **Federal Register** on Thursday, January 21, 2010 (75 FR 3501-3502).

The discussion on the Draft Final Revision 1 to Regulatory Guide 1.141, "Containment Isolation Provisions for Fluid Systems," scheduled to be held on Thursday, February 4, 2010, between 8:35 a.m. and 10 a.m., is being postponed to a future meeting. The discussion on the Draft ACRS Report on the NRC Safety Research Program, scheduled to be held on February 5, 2010, between 1 p.m. and 3 p.m., is now scheduled for February 4, 2010, between 8:35 a.m. and 10 a.m. The Preparation of ACRS Reports will now start at 1 p.m. on Friday, February 5, 2010.

A revised agenda is posted on the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> or <http://www.nrc.gov/reading-rm/doc-collections/ACRS/>.

Further information regarding this meeting can be obtained by contacting Derek Widmayer, Designated Federal Official (Telephone: 301-415-7366, E-mail: Derek.Widmayer@nrc.gov) between 7:30 a.m. and 5:15 p.m. (ET).

Dated: 01/21/2010.

Andrew L. Bates,

Advisory Committee Management Officer.

[FR Doc. 2010-1659 Filed 1-26-10; 8:45 am]

BILLING CODE 7590-01-P

NUCLEAR REGULATORY COMMISSION

[NRC-2010-0002]

Sunshine Act Meeting Notice

DATES: Weeks of January 25, and February 1, 8, 15, 22, March 1, 2010.

PLACE: Commissioners' Conference Room, 11555 Rockville Pike, Rockville, Maryland.

STATUS: Public and Closed.

Week of January 25, 2010

Tuesday, January 26, 2010

9:30 a.m. Briefing on Office of Nuclear Reactor Regulation—Programs, Performance, and Future Plans (Public Meeting). (*Contact:* Quynh Nguyen, 301-415-5844.)

This meeting will be webcast live at the Web address—<http://www.nrc.gov>.

Week of February 1, 2010—Tentative

There are no meetings scheduled for the week of February 1, 2010.

Week of February 8, 2010—Tentative

Tuesday, February 9, 2010

9:30 a.m. Briefing on Regional Programs—Programs, Performance, and Future Plans (Public Meeting). (*Contact:* Richard Barkley, 610-337-5065.)

This meeting will be webcast live at the Web address—<http://www.nrc.gov>.

Week of February 15, 2010—Tentative

Thursday, February 18, 2010

9:30 a.m. Briefing on Office of Nuclear Regulatory Research—Programs, Performance, and Future Plans (Public Meeting). (*Contact:* Patricia Santiago, 301-251-7982.)

This meeting will be webcast live at the Web address—<http://www.nrc.gov>.

Week of February 22, 2010—Tentative

Tuesday, February 23, 2010

9:30 a.m. Briefing on Decommissioning Funding (Public Meeting). (*Contact:* Thomas Fredrichs, 301-415-5971.)

This meeting will be webcast live at the Web address—<http://www.nrc.gov>.

Week of March 1, 2010—Tentative

Tuesday, March 2, 2010

9:30 a.m. Briefing on Uranium Recovery (Public Meeting). (*Contact:* Dominick Orlando, 301-415-6749.)

This meeting will be webcast live at the Web address—<http://www.nrc.gov>.

* * * * *

*The schedule for Commission meetings is subject to change on short notice. To verify the status of meetings, call (recording)—(301) 415-1292.

Contact person for more information: Rochelle Baval, (301) 415-1651.

* * * * *

The NRC Commission Meeting Schedule can be found on the Internet at: <http://www.nrc.gov/about-nrc/policy-making/schedule.html>.

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The NRC provides reasonable accommodation to individuals with



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
WASHINGTON, DC 20555 - 0001**

Revised 01/21/10

January 21, 2010

**AGENDA
569th ACRS MEETING
FEBRUARY 4-6, 2010**

**THURSDAY, FEBRUARY 4, 2010, CONFERENCE ROOM T-2B1, TWO WHITE FLINT
NORTH, ROCKVILLE, MARYLAND**

- 1) 8:30 – 8:35 A.M. Opening Remarks by the ACRS Chairman (Open) (SAK/EMH/ZA)
 - 1.1) Opening statement
 - 1.2) Items of current interest

- 2) 8:35 – 10:00 A.M. Draft ACRS Report on the NRC Safety Research Program (Open) (DAP/HPN, et al.)
 - 2.1) Remarks by the Subcommittee Chairman
 - 2.2) Discussion of a draft ACRS report on the NRC Safety Research Program

- 10:00 – 10:15 A.M. *** BREAK *****

- 3) 10:15 – 12:15 P.M. Draft Final Regulatory Guide 1.217, "Guidance for the Assessment of Beyond-Design-Basis Aircraft Impacts" (Open/Closed) (MVB/MB)
 - 3.1) Remarks by the Subcommittee Chairman
 - 3.2) Briefing by and discussions with representatives of the NRC staff regarding draft final RG 1.217, "Guidance for the Assessment of Beyond-Design-Basis Aircraft Impacts," NRC staff's resolution of stakeholder comments, and related matters.

[NOTE: A portion of this session may be closed to protect unclassified safeguards information pursuant to 5 U.S.C. 552b (c)(3).]

Representatives of the nuclear industry and members of the public may provide their views, as appropriate.

- 12:15 – 1:15 P.M. *** LUNCH *****

- 4) 1:15 – 2:45 P.M. Draft Final Revision 1 to Regulatory Guide 1.62, "Manual Initiation of Protective Actions" (Open) (CHB/CEA/JCA)
 - 4.1) Remarks by the Subcommittee Chairman
 - 4.2) Briefing by and discussions with representatives of the

NRC staff regarding draft final Revision 1 to RG 1.62, "Manual Initiation of Protective Actions," NRC staff's resolution of public comments, and related matters.

Representatives of the nuclear industry and members of the public may provide their views, as appropriate.

2:45 – 3:00 P.M. * BREAK *****

- 5) 3:00 – 4:30 P.M. Proposed Revisions to NUREG-1520, "Standard Review Plan for Review of a License Application for a Fuel Cycle Facility" (Open) (MTR/NMC)
- 5.1) Remarks by the Subcommittee Chairman
 - 5.2) Briefing by and discussions with representatives of the NRC staff regarding proposed revisions to NUREG 1520, "Standard Review Plan for Review of a License Application for a Fuel Cycle Facility" and related matters.

Representatives of the nuclear industry and members of the public may provide their views, as appropriate.

4:30 – 4:45 P.M. * BREAK *****

- 6) 4:45 – 7:00 P.M. Preparation of ACRS Reports (Open/Closed)
Discussion of proposed ACRS reports on:
- 6.1) Draft Final Regulatory Guide 1.217, "Guidance for the Assessment of Beyond-Design-Basis Aircraft Impacts" (Open/Closed) (MVB/MB)
 - 6.2) Draft Final Revision 1 to Regulatory Guide 1.62, "Manual Initiation of Protective Actions" (Open) (CHB/CEA/JCA)
 - 6.3) Proposed Revisions to NUREG-1520, "Standard Review Plan for Review of a License Application for a Fuel Cycle Facility" (Open) (MTR/NMC)

[NOTE: A portion of this session may be closed to protect unclassified safeguards information pursuant to 5 U.S.C. 552b (c)(3).]

FRIDAY, FEBRUARY 5, 2010, CONFERENCE ROOM T-2B1, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

- 7) 8:30 – 8:35 A.M. Opening Remarks by the ACRS Chairman (Open) (SAK/NMC)
- 8) 8:35 – 10:00 A.M. Status of Rulemaking for Disposal of Depleted Uranium and Other Unique Waste Streams (Open) (MTR/NMC)
- 8.1) Remarks by the Subcommittee Chairman

- 8.2) Briefing by and discussions with representatives of the NRC staff regarding the status of rulemaking efforts addressing disposal of depleted uranium and other unique waste streams, and related matters.

Representatives of the nuclear industry and members of the public may provide their views, as appropriate.

10:00 – 10:15 A.M. * BREAK *****

- 9) 10:15 – 11:45 A.M. Future ACRS Activities/Report of the Planning and Procedures Subcommittee (Open/Closed) (SAK/EMH)
- 9.1) Discussion of the recommendations of the Planning and Procedures Subcommittee regarding items proposed for consideration by the Full Committee during future ACRS meetings.
- 9.2) Report of the Planning and Procedures Subcommittee on matters related to the conduct of ACRS business, including anticipated workload and member assignments.

[NOTE: A portion of this session may be closed pursuant to 5 U.S.C. 552b (c)(2) and (6) to discuss organizational and personnel matters that relate solely to internal personnel rules and practices of ACRS, and information the release of which would constitute a clearly unwarranted invasion of personal privacy.]

- 10) 11:45 – 12:00 P.M. Reconciliation of ACRS Comments and Recommendations (Open) (SAK/CS/AFD)
- Discussion of the responses from the NRC Executive Director for Operations to comments and recommendations included in recent ACRS reports and letters.

12:00 – 1:00 P.M. * LUNCH *****

- 11) 1:00 – 7:00 P.M.
(3:00-3:15 P.M. BREAK) Preparation of ACRS Reports (Open/Closed)
- Discussion of proposed ACRS reports on:
- 11.1) Draft Final Regulatory Guide 1.217, "Guidance for the Assessment of Beyond-Design-Basis Aircraft Impacts" (Open/Closed) (MVB/MB)
- 11.2) Draft Final Revision 1 to Regulatory Guide 1.62, "Manual Initiation of Protective Actions" (Open) (CHB/CEA/JCA)
- 11.3) Proposed Revisions to NUREG-1520, "Standard Review Plan for Review of a License Application for a Fuel Cycle Facility" (Open) (MTR/NMC)
- 11.4) Status of Rulemaking for Disposal of Depleted Uranium and Other Unique Waste Streams (Open) (MTR/NMC)

[NOTE: A portion of this session may be closed to protect unclassified safeguards information pursuant to 5 U.S.C. 552b (c)(3).]

SATURDAY, FEBRUARY 6, 2010, CONFERENCE ROOM T-2B1, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

- 12) 8:30 – 12:30 P.M. Preparation of ACRS Reports (Open)
(10:00-10:15 A.M. BREAK) Continue discussion of the proposed ACRS reports listed under Item 11.
- 13) 12:30 – 1:00 P.M. Miscellaneous (Open) (SAK/EMH)
Discussion of matters related to the conduct of Committee activities and specific issues that were not completed during previous meetings, as time and availability of information permit.

NOTES:

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ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
569th FULL COMMITTEE MEETING

February 4-6, 2010

PLEASE PRINT

TODAY'S DATE: February 4, 2010

<u>NAME</u>	<u>NRC ORGANIZATION</u>
1 ERIC OESTERLE	NMSS/FCSS/MODB
2 Rafael C. Rodriguez	NMSS/FCSS/FMB
3 Jonathan DeJesus Segarra	NMSS/FCSS/MODB
4 Damaris Arroyo	NMSS/FCSS/MODB
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ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
569th FULL COMMITTEE MEETING

February 4-6, 2010

PLEASE PRINT

TODAY'S DATE: February 4, 2010

	<u>NAME</u>	<u>AFFILIATION</u>
1	BOŽIDAR STOJADINOVIC	UC BERKELEY
2	JAMES WINTERS	WESTINGHOUSE
3	Justin Ford	Westinghouse
4	Randy Woods	Platts
5	na	
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LIST OF DOCUMENTS PROVIDED TO THE ACRS COMMITTEE
DURING THE 569th MEETING ON FEBRUARY 4, 2010

Agenda Item 3:

Draft Final Regulatory Guide 1.217, "Guidance for the Assessment of Beyond-Design-Basis Aircraft Impacts"

1. Table of Contents
2. Proposed Meeting Agenda
3. Status Report
4. Attachments:
 - ❖ Draft Final Regulatory Guide RG 1.217, Guidance for the Assessment of Beyond-Design-Basis Aircraft Impacts
 - ❖ NEI 07-13, Rev. 7, May 2009
 - ❖ Aircraft Impact Assessment Rule 74 FR 28112, Consideration of aircraft Impacts for New Nuclear Power Reactors, June 12, 2009
 - ❖ Presentation Slides 12/1/09 ACRS Security and Safeguards Subcommittee Meeting

Agenda Item 4:

Draft Final Revision 1 to Regulatory Guide 1.62, "Manual Initiation of Protective Actions"

5. Opening Remarks
6. Staff Introduction
7. Proposed Revision 1 of RG 1.62, "Manual Initiation of Protective Actions"
 - ❖ Summary of Changes
 - ❖ Proposed Changes to Regulatory Positions
 - ❖ Resolution to ACRS comments
 - ❖ Resolution to Public comments

Agenda Item 5:

Proposed Revisions to NUREG-1520, "Standard Review Plan for Review of a License Application for a Fuel Cycle Facility"

8. Opening Remarks and objectives
9. Overview of changes to Standard Review Plan (NUREG-1520)
10. Changes to Chapter 3; Integrated Safety Assessment (ISA) and ISA Summary
11. Regulatory Experience with ISA & ISA Summary
12. Stakeholder Comments



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
WASHINGTON, DC 20555 - 0001**

February 16, 2010

**AGENDA
570th ACRS MEETING
MARCH 4-6, 2010**

**THURSDAY, MARCH 4, 2010, CONFERENCE ROOM T-2B1, TWO WHITE FLINT NORTH,
ROCKVILLE, MARYLAND**

- 1) 8:30 – 8:35 A.M. Opening Remarks by the ACRS Chairman (Open) (SAK/EMH)
 - 1.1) Opening statement
 - 1.2) Items of current interest

- 2) 8:35 – 10:00 A.M. Draft Final Interim Staff Guidance (ISG) on Fuel Cycle (ISG-7) (Open) (CHB/CEA)
 - 2.1) Remarks by the Subcommittee Chairman
 - 2.2) Briefing by and discussions with representatives of the NRC staff and the Nuclear Energy Institute (NEI) regarding Draft Final ISG-7 on Fuel Cycle, the NRC staff's resolution of public comments, and related matters

Representatives of the nuclear industry and members of the public may provide their views, as appropriate.

10:00 – 10:15 A.M. * BREAK *****

- 3) 10:15 – 12:00 P.M. Draft Final Regulatory Guide (RG) 1.141, "Containment Isolation Provisions for Fluid Systems" (Open) (HBR/ZA)
 - 3.1) Remarks by the Subcommittee Chairman
 - 3.2) Briefing by and discussions with representatives of the NRC staff regarding Draft Final RG 1.141, "Containment Isolation Provisions for Fluid Systems," the NRC staff's resolution of public comments, and related matters

Representatives of the nuclear industry and members of the public may provide their views, as appropriate.

12:00 – 1:00 P.M. * LUNCH *****

- 4) 1:00 – 2:00 P.M. Draft Revision 1 to Regulatory Guide 4.11, “Terrestrial Environmental Studies for Nuclear Power Stations” (Open) (MTR/DAW)
- 4.1) Remarks by the Subcommittee Chairman
 - 4.2) Briefing by and discussions with representatives of the NRC staff regarding Draft Revision 1 to RG 4.11, “Terrestrial Environmental Studies for Nuclear Power Stations,” and related matters
- Representatives of the nuclear industry and members of the public may provide their views, as appropriate.
- 5) 2:00 – 3:15 P.M. Status of Rulemaking for Disposal of Depleted Uranium and Other Unique Waste Streams (Open) (MTR/NMC)
- 5.1) Remarks by the Subcommittee Chairman
 - 5.2) Briefing by and discussions with representatives of the NRC staff regarding the status of rulemaking efforts addressing disposal of depleted uranium and other unique waste streams, and related matters
- Representatives of the nuclear industry and members of the public may provide their views, as appropriate.
- 3:15 – 3:30 P.M. *** BREAK *****
- 6) 3:30 – 5:00 P.M. Draft ACRS Report on the NRC Safety Research Program (Open) (DAP, et al/HPN, et al.)
- 6.1) Remarks by the Subcommittee Chairman
 - 6.2) Discussion of a draft ACRS report on the NRC Safety Research Program
- 7) 5:00 – 7:00 P.M. Preparation of ACRS Reports (Open)
Discussion of proposed ACRS reports on:
- 7.1) Draft Final Revision 1 to Regulatory Guide 1.62, “Manual Initiation of Protective Actions” (Open) (CHB/CEA/JCA)
 - 7.2) Draft Final ISG-7 on Fuel Cycle (Open) (CHB/CEA)
 - 7.3) Draft Final Regulatory Guide 1.141, “Containment Isolation Provisions for Fluid Systems” (Open) (HBR/ZA)
 - 7.4) Draft Revision 1 to Regulatory Guide 4.11, “Terrestrial Environmental Studies for Nuclear Power Stations” (Open) (MTR/DAW)
 - 7.5) Status of Rulemaking for Disposal of Depleted Uranium and Other Unique Waste Streams (Open) (MTR/NMC)

FRIDAY, MARCH 5, 2010, CONFERENCE ROOM T-2B1, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

- 8) 8:30 – 8:35 A.M. Opening Remarks by the ACRS Chairman (Open) (SAK/CEA)

- 9) 8:35 – 10:15 A.M. Digital Instrumentation and Control (I&C) Design Acceptance Criteria (DAC) Inspection Methodology (Open) (DCB/CEA)
- 9.1) Remarks by the Subcommittee Chairman
 - 9.2) Briefing by and discussions with representatives of the NRC staff regarding Digital I&C DAC Inspection Methodology

Representatives of the nuclear industry and members of the public may provide their views, as appropriate.

10:15 – 10:30 A.M. * BREAK *****

- 10) 10:30 – 12:00 A.M. New Advanced Reactor Designs (Open) (DCB/KDW)
- 10.1) Remarks by the Subcommittee Chairman
 - 10.2) Briefing by and discussions with representatives of the NRC staff regarding new advanced reactor designs such as NuScale, Iris, Babcock & Wilcox Modular, Hyperion, Toshiba's 4S, and General Electric's Prism

Representatives of the nuclear industry and members of the public may provide their views, as appropriate.

12:00 – 1:30 P.M. * LUNCH *****

- 11) 1:30 – 3:00 P.M. Meeting with the NRC Executive Director for Operations (Open) (SAK/EMH)
- 11.1) Remarks by the ACRS Chairman
 - 11.2) Briefing by and discussions with the NRC Executive Director for Operations (EDO) and Deputy EDOs on topics of mutual interest
- 12) 3:00 – 4:30 P.M. Future ACRS Activities/Report of the Planning and Procedures Subcommittee (Open/Closed) (SAK/EMH)
- 12.1) Discussion of the recommendations of the Planning and Procedures Subcommittee regarding items proposed for consideration by the Full Committee during future ACRS meetings
 - 12.2) Report of the Planning and Procedures Subcommittee on matters related to the conduct of ACRS business, including anticipated workload and member assignments

[NOTE: A portion of this session may be closed pursuant to 5 U.S.C. 552b (c)(2) and (6) to discuss organizational and personnel matters that relate solely to internal personnel rules and practices of ACRS, and information the release of which would constitute a clearly unwarranted invasion of personal privacy.]

- 13) 4:30 – 4:45 P.M. Reconciliation of ACRS Comments and Recommendations (Open) (SAK/CS/AFD)
Discussion of the responses from the NRC Executive Director for Operations to comments and recommendations included in recent ACRS reports and letters.
- 4:45 – 5:00 P.M. *** BREAK *****
- 14) 5:00 – 7:00 P.M. Preparation of ACRS Reports (Open)
Continue discussion of the proposed ACRS reports listed under Item 7.

SATURDAY, MARCH 6, 2010, CONFERENCE ROOM T-2B1, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

- 15) 8:30 – 12:30 P.M. Preparation of ACRS Reports (Open)
(10:00-10:15 A.M. BREAK) Continue discussion of the proposed ACRS reports listed under Item 7.
- 16) 12:30 – 1:00 P.M. Miscellaneous (Open) (SAK/EMH)
Discussion of matters related to the conduct of Committee activities and specific issues that were not completed during previous meetings, as time and availability of information permit.

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