

# CERTIFIED

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MAY 23-25, 1996

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MINUTES OF THE 431ST MEETING OF THE  
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS  
MAY 23-25, 1996  
ROCKVILLE, MARYLAND

The 431st meeting of the Advisory Committee on Reactor Safeguards was held at Conference Room 2B3, Two White Flint North Building, Rockville, Maryland, on May 23-25, 1996. The purpose of this meeting was to discuss and take appropriate action on the items listed in the attached agenda. The meeting was open to public attendance. There were no written statements nor requests for time to make oral statements from members of the public regarding the meeting.

A transcript of selected portions of the meeting was kept and is available in the NRC Public Document Room at the Gelman Building, 2120 L Street, N.W., Washington, D.C. [Copies of the transcript are available for purchase from Neal R. Gross and Co., Inc., 1323 Rhode Island Avenue, N.W., Washington, D.C. 20005.]

ATTENDEES

ACRS Members: Dr. Thomas S. Kress (Chairman), Dr. Robert L. Seale (Vice-Chairman), Dr. George Apostolakis, Mr. James C. Carroll, Dr. Ivan Catton, Dr. Mario H. Fontana, Mr. William J. Lindblad, Dr. Don W. Miller, Dr. Dana A. Powers, Dr. William J. Shack, and Mr. Charles J. Wylie. [For a list of other attendees, see Appendix III.]

I. CHAIRMAN'S REPORT (Open)

[Note: Dr. John T. Larkins was the Designated Federal Official for this portion of the meeting.]

Dr. Thomas S. Kress, Committee Chairman, convened the meeting at 8:30 a.m. and reviewed the schedule for the meeting. He announced that the Items of Interest for this meeting included a letter from Admiral de Mars, a copy of Chairman Jackson's speech to the Japan Atomic Industrial Forum, and a memorandum to all NRC employees, entitled Standards of Conduct, that apply to ACRS Members as well.

The Committee also agreed to hold a brief discussion of Jay Carroll's memorandum of May 20, 1996 entitled "SECY-96-077 - Certification of Two Evolutionary Designs Dated 4/15/96."

II. IPE Insights Report (Open)

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



### Introduction

Dr. Apostolakis, Chairman of the Individual Plant Examinations Subcommittee, introduced the topic and reviewed previous discussions related to IPEs. He also introduced representatives of the NRC staff and its contractor, the Brookhaven National Laboratory (BNL). Dr. Apostolakis stated that the purpose of this information briefing was to review the ongoing staff efforts to prepare the IPE Insights Report as a Draft NUREG. The primary focus of this meeting was the safety goal implications described in Section 7.1 of the Insights Report. That section provides an assessment of the population of plants compared with the NRC safety goals as stated in SECY 86-76.

Dr. Powers stated that he would not participate in Committee decisions on this subject because he has a conflict of interest.

### NRC Presentation

Ms. Mary Drouin, Chief, IPE/IPEEE Section, RES, led the discussions. Messrs. Wayne Hodges, Director, DST/RES, Thomas King, RES, and Trevor Pratt, BNL, provided supporting discussion.

Ms. Drouin provided an overview of the progress of the Draft NUREG "Individual Plant Examinations Program: Perspectives on Reactor Safety and Plant Performance," referred to as "The IPE Insights Report." She noted that today's presentation was primarily on Section 7.1, "Safety Goal Implications." Significant points made during the discussion were:

- The IPE insights review looks beyond the original intent of Generic Letter 88-20, "Individual Plant Examinations for Severe Accident Vulnerabilities -- 10 CFR 50.54(f)."
- The NUREG under development has five main objectives:
  1. Obtain perspectives on the impact of the IPE program on reactor safety.
  2. Obtain a better understanding of reactor and containment design and operational features, modeling methods and assumptions, significant plant improvements that affect the core damage frequency (CDF), and containment performance for different reactor and containment types.
  3. Evaluate the role of the control room operator. Determine what specific operator actions are consistently found to be important for classes of plants.

4. Evaluate the quality of the IPEs as compared to current state-of-the-art probabilistic risk assessments (PRAs) and the potential role of IPEs in risk-informed regulation.
5. Provide perspectives on additional items, such as IPE results relative to the Commission's safety goals, and identify improvements as a result of the Station Blackout Rule. Compare the IPEs to the NUREG-1150 evaluation.

Mr. Carroll questioned whether the report addresses shutdown risk and was advised that shutdown risk is not addressed.

Mr. Lindblad and Dr. Apostolakis questioned the definition of vulnerability. The staff defined vulnerability as an event resulting in a CDF of  $10^{-4}$  per reactor year; however, the facility-specific definition was left up to each licensee.

Dr. Apostolakis discussed the fact that the staff review did not evaluate whether the modeling used by individual licensees was adequate, only that the models were applied consistently.

Dr. Kress questioned whether IPE results were validated. The staff stated that the IPE results were accepted as reported by each licensee. Dr. Kress also asked if any follow-up effort was in place to look at design vulnerabilities. Ms. Drouin responded that a meeting is planned with NRR to review this issue.

At the conclusion of the briefing, Mr. Lindblad stated that he believed the IPE process was valuable in understanding the individual facilities and identifying safety weaknesses. Dr. Miller stated the process is probably very good, and can result in better-informed decisions regarding reactor safety.

Dr. Apostolakis summarized his view that the operator has a significant role in actual events and that techniques for human reliability analysis (HRA) are improving. He also stated that future discussions on the IPE Insights Report including HRA will be held during a Subcommittee meeting on June 11, 1996, and the subsequent full ACRS discussion on June 12-14, 1996.

### Conclusions

The Committee plans to continue their review of this matter during future ACRS Subcommittee and Full Committee meetings.

### III. Proposed Rule on Shutdown Operations (Open)

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

Mr. James Carroll, Chairman of the Plant Operations Subcommittee, introduced the topic to the Committee, and reviewed previous discussions with the ACRS regarding the proposed rule on Shutdown Operations.

Mr. Carroll made the following comments:

- NRR is proposing to resolve this issue by rulemaking rather than by use of a Generic Letter as was the case the last time the Committee considered this issue.
- On August 13, 1991, the Committee wrote a letter commenting on the BNL and SNL risk studies at Surry and Grand Gulf nuclear power plants and stated that neither of the studies was a very good surrogate for the population of operating reactors. The Committee stated that shutdown risk is very plant-specific.
- Mr. Carroll stated that the NUMARC guidance document 91-06 has been used in the industry, and that document has improved the performance of plants during shutdown operations. He stated that the staff also believes that, with some additions, the document could provide the basis for implementation of the rule.

### NRR Presentation

Mr. Warren Lyons, NRR, provided an overview of the proposed rule. He characterized the rule as being risk-informed with performance-based elements. Significant points made during the discussion were:

- The proposed Shutdown Operations Rule and Regulatory Guide are being developed using a risk-informed and performance-based approach.
- The proposed rule will apply to all licensees who have light water nuclear power plants. The rule is structured into three operational areas: (1) safety criteria, (2) licensee-determined performance criteria for normal operation bounded by safety criteria, and (3) backup cooling capability and containment.
- Shutdown operation is defined as the state when the reactor is subcritical, one or more fuel assemblies are

located in the reactor vessel or in the refueling cavity, and the reactor coolant system temperature and pressure permit operation of the decay heat removal system.

- Proper implementation of the guidelines in the NUMARC 91-06 document will satisfy the limiting conditions for operation. However, the staff does not believe that the NUMARC 91-06 document is sufficient to ensure uniform compliance by all licensees.
- The staff is revising the regulatory analysis and the associated Regulatory Guide, which support the proposed rule, to incorporate NEI comments.

Mr. Carroll stated that the Maintenance Rule should address the staff's concerns with shutdown risk. Mr. Warren did not think that the Maintenance Rule would address all the staff's concerns.

#### RES Presentation

Mr. Harold VanderMolen, RES, provided a brief background and the results of the risk studies performed by BNL and SNL at Surry and Grand Gulf Nuclear Power Plants.

Mr. VanderMolen stated that the staff's original interest in low power and shutdown risk was based on BNL and French studies which indicated that core-damage frequency (CDF) during shutdown could be significant. This project became part of NRC's research plan in response to the Chernobyl accident in 1986. It was divided into two parallel studies performed by BNL and SNL. Surry and Grand Gulf were selected for these studies.

The objectives of these studies were to assess the risks of severe accidents due to internal events, internal fires, internal floods, and seismic events initiated during various plant operational states other than full power operation, and to compare the estimated CDFs, important accident sequences, and other qualitative results with those resulting from accidents during full power operation as assessed in NUREG 1150. The scope of these studies included a Level 3 PRA for these plants.

Mr. VanderMolen stated that the results of shutdown risk studies in the Grand Gulf PRA showed a CDF in the "middle  $10^{-5}$  per-reactor-year" range and for Surry, the CDF was in the "middle  $10^{-6}$  per-reactor-year" range. The main finding of the study at Surry was that during mid-loop operation, the risk of consequence measures related to long-term health effects and latent cancer fatalities was high compared to those at full power operation. The main conclusion of the Grand Gulf study was that, with many plant features unavailable to mitigate a release, the potential exists



for a large release of radioactive material, should core damage occur. For the most likely accidents, the containment is open, the suppression pool is bypassed, and the containment sprays are not available. Members asked if Grand Gulf and Surry were typical of plants in the U.S.. The staff responded that the above-mentioned studies were plant specific.

#### Nuclear Energy Institute (NEI) Presentation

Mr. Tony Pietrangelo, of the Nuclear Energy Institute (NEI), provided industry comments on the proposed rule. He stated that the industry still questions the need for a shutdown rule. He also stated that NUMARC 91-06 was issued to provide guidance to the industry to assess plant management during shutdown.

NEI's concerns with the proposed rule include: (1) the establishment of outage planning and control requirements (this is seen as the purview of plant management), (2) codification of NUMARC 91-06 (sets an undesirable precedent for future industry self-improvement initiatives), (3) the proposed rule overlaps with the requirements of the Maintenance Rule, and (4) additional regulatory oversight of shutdown conditions on the licensees.

Mr. Pietrangelo further stated that the risk analyses and event experience demonstrated by the staff do not reveal the problems. Finally, Section (c)(4) of the proposed rule is not necessary.

#### Conclusion

The Committee issued a letter to the Executive Director for Operations, dated June 4, 1996 on this matter.

#### IV. Digital Instrumentation and Control Systems (Open)

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

#### Introduction

Dr. Miller, Chairman of the Instrumentation and Control Systems and Computers Subcommittee, introduced the topic and recognized the Members and ACRS Consultant, Mr. Edward L. Quinn, who participated in the Subcommittee meeting held on May 22, 1996. He also introduced representatives of the NRC staff and its contractor, the Lawrence Livermore National Laboratory (LLNL). Dr. Miller stated that the purpose of this meeting was to continue the ACRS review of staff efforts to update the existing Standard Review Plan (SRP) Chapter 7 related to digital instrumentation and control (I&C) systems. He noted that the ACRS began its review of the proposed

SRP update in March 1996 and stated that this ACRS review would cover two SRP sections, one branch technical position (BTP), and four regulatory guides which endorse four industrial standards. He also stated that this meeting would complete the ACRS review of all draft regulatory guides and suggested that a Committee letter would be appropriate at this time.

#### NRR Presentation

Mr. Matthew Chiramal, Senior Level Advisor, HICB/NRR, introduced the NRC staff and led the discussion of the proposed SRP update (BTP and SRP sections). Mr. Jerry Wermiel, Chief, HICB/NRR, and Mr. Gary Johnson of LLNL provided supporting discussion.

Mr. Chiramal reviewed the ground rules for updating the SRP and provided a detailed description of proposed SRP Section 7.2, "Reactor Trip System;" SRP Section 7.9, "Data Communications;" and BTP-16, "Level of Detail in Design Certification Applications." Significant points made during the discussion were:

- The ground rules include: maintaining existing regulatory bases; incorporating lessons learned from advanced light water reactor reviews, digital retrofits, and operating experience; and describing I&C system criteria for both operating plants (modifications) and future advanced reactor designs.
- The SRP and regulatory guides will aid future reviews in that neither the SRP nor regulatory guides are proposed for backfit; the SRP, BTPs, and regulatory guides are guidance only; and they provide acceptable approaches for designers of digital systems for modifications and 10 CFR 50.59 safety evaluations.
- The SRP and regulatory guides will aid reviewers in that selected portions of the SRP can be used based on the scope of proposed changes; depth of review will be determined by reviewers based on safety significance and complexity of proposed changes; only the differences from previously approved designs need to be reviewed; and defense-in-depth and diversity are only applicable to reactor trip systems and engineered safety feature actuation systems.
- The planned BTP on commercial off-the-shelf software may be replaced by a safety evaluation report on a topical report being developed by a working group of the Electric Power Research Institute.



### RES/LLNL Presentation

Mr. Joel Kramer, CIHFB/RES, summarized the overall RES/LLNL effort and introduced the presenters. Mr. John A. Scott, LLNL, led the discussion for RES regarding development of regulatory guides and endorsement of industry standards. Dr. Frank Coffman, Chief, CIHFB/RES, provided supporting discussion and Mr. Robert Brill, CIHFB/RES, also participated.

Mr. Scott reviewed the draft regulatory guides on digital computer software used in safety systems of nuclear power plants for developing life cycle software processes, software requirements specifications, software unit testing, and software test documentation. Significant points made during the discussion were:

- The overall philosophy is to tie the regulatory guides to existing NRC regulations and industry consensus standards.
- Each regulatory guide endorses one or more IEEE Standards as a method acceptable to the NRC in meeting regulatory requirements. The NRC staff makes "exceptions, additions and/or provides clarifications" to portions of IEEE Standards which are not in agreement with regulatory positions. These items were reviewed during the presentation.

Drs. Apostolakis and Catton questioned the level of detail provided in the guidance and how the reviewer will evaluate quality. The NRC staff stated that the process is intended for use by the reviewer but also serves to identify areas for consideration by the designer (i.e., licensee or applicant). The staff described the process whereby the reviewer is expected to use judgement in determining the areas needing review on a case-by-case basis.

Dr. Powers questioned the consensus process used to develop industrial standards. The staff described the four-step process used by IEEE beginning with a standards working group, followed by subcommittee review and agreement, committee resolution of negative ballots, and final approval by the standards board. The staff also discussed the difficulty of pursuing alternatives to this approach.

Drs. Apostolakis and Powers questioned how controlling the process will lead to a system that accomplishes what is expected (i.e., the issue of process versus product). The staff stated that controlling the process significantly enhances the likelihood that the product will perform as designed but added that there were no guarantees. They emphasized that testing provides verification that the installed system will function as designed (i.e., validates the adequacy of the product). Dr. Miller added that

emphasis on developing good requirements specifications will significantly limit the errors discovered later in testing. The staff stated that this was the best approach available but could not ensure error-free results. The staff offered to present a case study of an actual review at the next meeting to demonstrate the process.

At the conclusion of the briefing, Dr. Miller summarized his views on the SRP update and informed the staff that he was preparing a letter for consideration by the Committee. He noted that this letter would comment on the overall approach of the SRP and document ACRS issues (i.e., level of detail in the guidance, balance between process and product, etc.). He also reviewed plans for future ACRS Subcommittee reviews in August and October 1996.

#### Conclusion

The Committee prepared a letter to the Executive Director for Operations dated June 6, 1996, on this matter.

#### V. Regulatory Review Group Recommendations (Open)

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

#### Introduction

Dr. Seale noted that the Regulatory Review Group, established in early 1993, issued an August 1993 report that provided recommendations for reducing the regulatory burden on licensees. He stated that most action items were complete and that the remaining action items were well in hand and had been assigned to specific entities within the agency for resolution.

#### NRC Presentation

Mr. Eugene Imbro, NRR, presented an overview of how the Regulatory Review Group was formed and the accomplishments of the group. He summarized the Regulatory Review Group implementation plan that included the cost beneficial license actions (CBLA) program, the commitment management process, the marginal-to-safety program, the probabilistic risk assessment implementation plan, and proposed amendments to the regulations. He explained that the staff previously briefed the Committee regarding several ongoing implementation plan items such as graded quality assurance, risk-informed in-service surveillances and tests, and decommissioning. In conclusion, Mr. Imbro stated that the Regulatory Review Group had been dissolved, that the existing management processes provided

oversight for ongoing items, and that management would track and periodically review the implementation plan status.

Mr. Imbro and the Committee discussed the assignment of responsibilities for implementation plan action items, commitment management, the number of licensees that participated in the CBLA program, the benefits of regulatory reduction, and the resources committed to the project. They also discussed verifying that the estimated safety impact of completed items was correct.

### Conclusion

The Committee issued a letter to the Executive Director for Operations dated June 5, 1996 regarding this matter.

### VI. Meeting with the NRC Commissioners (Open)

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

The Committee met with the NRC Commissioners on May 24, 1996, in the One White Flint North Building, Rockville, Maryland.

The NRC Commissioners were briefed by and held discussions with the Committee on the following topics:

- A. Use of IPEs in the regulatory process, PRA framework document, pilot applications, and the next steps to expand the use of PRA in the regulatory decision-making process
- B. Fire protection issues, including fire PRA models and PRA-based scoping analysis of degraded fire barriers
- C. Proposed final revisions to 10 CFR Parts 50 and 100
- D. Status of ACRS review of regulatory guidance documents related to digital instrumentation and control systems.
- E. Status of ACRS review of standard plant designs:
  - ABWR and System 80+ design certification rules
  - AP600 design
  - Test and analysis programs associated with the AP600 and SBWR designs
- F. Conformance of operating plants with NRC safety goals.

### Conclusion

In the June 11, 1996 Staff Requirements Memorandum resulting from this meeting, the Commission requested that the ACRS provide advice on certain specific issues. The Committee will review these matters and report back to the Commission.

### VII. EXECUTIVE SESSION (Open)

[Note: Dr. John T. Larkins was the Designated Federal Official for this portion of the meeting.]

#### A. Reports, Letters and Memoranda

Potential Use of IPE/IPEEE Results to Compare the Risk of the Current Population of Plants with the Safety Goals (Report to Shirley Ann Jackson, Chairman, NRC, from T.S. Kress, Chairman, ACRS, dated June 6, 1996.)

Resolution of the Multiple System Responses Program Issues (Letter to James M. Taylor, Executive Director for Operations, from T.S. Kress, Chairman, ACRS, dated June 3, 1996)

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Issuance of the Updated Standard Review Plan for Public Comment Without ACRS Review (Memorandum to James M. Taylor, Executive Director for Operations, from John T. Larkins, Executive Director, ACRS, dated May 31, 1996)

Draft Regulatory Guide Pertaining to the Preparation of Petitions for Rulemaking under 10 CFR 2.802 (Memorandum to James M. Taylor, Executive Director for Operations,



from John T. Larkins, Executive Director, ACRS, dated June 3, 1996)

Expedited Issuance of Revision 2 to Regulatory Guide 1.160, "Monitoring the Effectiveness of Maintenance at Nuclear Power Plants" (Memorandum to James M. Taylor, Executive Director for Operations, from John T. Larkins, Executive Director, ACRS, dated June 12, 1996)

B. Reconciliation of ACRS Comments and Recommendations

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

The Committee discussed the response from the NRC Executive Director for Operations to ACRS comments and recommendations included in recent ACRS reports:

EDO letter dated April 24, 1996, responding to the ACRS report dated March 15, 1996, concerning the review of recent fire probabilistic risk assessment reports by Brookhaven National Laboratory and certain fire barrier issues.

The Committee decided that it was satisfied with the EDO response.

During the 430th ACRS meeting, ACRS decided it was satisfied with the March 22, 1996, EDO response to the February 26, 1996, ACRS letter on strainer blockage issues. Mr. Lindblad raised a concern regarding actions in the EDO letter not being implemented in the final NRC Bulletin as decreed in the EDO letter. Mr. Len Sofer, OEDO, agreed to provide a response to ACRS concerns.

C. Report on the Meeting of the Planning and Procedures Subcommittee (Open)

The Committee heard a report from Dr. Kress on the Planning and Procedures Subcommittee meeting held on May 22, 1996. The following items were discussed:

1. NEW ACRS MEMBER

The Commission approved the appointment of Mr. John J. Barton to fill the vacancy created by the retirement of Mr. James C. Carroll in June. The Commission requested the screening panel to recommend names for the ACRS vacancy in September.

RECOMMENDATION

Mr. Barton has been invited to attend Full Committee meetings as an observer until his nomination is confirmed.

2. JOINT ACRS/ACNW SUBCOMMITTEE

ACNW approved a letter to Chairman Jackson on the health effects of low levels of radiation. The letter has been forwarded to the ACRS for consideration. Dr. Larkins proposed that a presentation (1/2 hour) and discussion of the letter be scheduled for the June 12-14 meeting. Any changes made by the ACRS could then be provided to the ACNW for consideration during their meeting on June 26-28.

ACNW has proposed to change the date of the next Joint Subcommittee meeting from August 5-6 to August 20 and for ACRS Joint Subcommittee members to participate in a discussion of Expert Judgment on August 21 as part of the ACNW meeting.

RECOMMENDATION

The Subcommittee recommended that a presentation be made before the Full Committee at its June 12-14 1996 meeting and that the ACNW letter be discussed following the presentation.

The Subcommittee referred the question of a change of date for the August Joint Subcommittee meeting to the Full Committee.

3. JAMES C. CARROLL SUBCOMMITTEE REASSIGNMENTS

A list of new Chairmen for the Subcommittees previously chaired by James C. Carroll has been prepared.

4. INTERNATIONAL MEETINGS

The French responded favorably to the ACRS proposal for a quadripartite meeting, suggesting that it be held in 1997 and proposing agenda items.

The Canadian Advisory Committee on Nuclear Safety has agreed to meet with the ACRS in Rockville on



October 9, 1996, on Wednesday before the October ACRS meeting.

#### RECOMMENDATION

The Subcommittee recommended that the Full Committee discuss the proposed agenda for the quadripartite meeting, to be followed by a letter to the three other participating committees containing the ACRS proposed agenda. The letter would recommend that Japan undertake the organization of this meeting, as Japan would be the host country.

#### 5. POLICY REGARDING POTASSIUM IODIDE

A draft staff paper on a proposed change in policy concerning the use of potassium iodide states that ACRS agrees with the staff's recommendations, although the ACRS has not reviewed this issue. The Subcommittee was asked whether 1) the staff should be asked to correct the record, 2) ACRS should review the policy change and take a position, or 3) ACRS should do nothing further.

#### RECOMMENDATION

The Subcommittee recommended a presentation on this issue to the Full Committee, followed by a letter if appropriate. The Full Committee Members were requested to suggest appropriate speakers for the presentation and indicate the issues they wished to have covered.

#### 6. MEMBERS' ISSUES

- A message from William Lindblad to T. S. Kress questioned the change of meeting dates for the summer meetings.
- A memorandum from James C. Carroll recommended that Members interact more frequently with summer interns.

#### RECOMMENDATION

- The Subcommittee recommended a Full Committee vote on the dates for the August and September meetings.

- The Subcommittee agreed with the suggestion from Mr. Carroll that ACRS Members interact more frequently with summer interns.

7. TRAVEL

- A request was received from Dr. Kress to attend the Air Cleaning Conference in Portland on July 14-15, 1996.
- A request was received from Dr. Catton to attend the International Symposium on Flow in Porous Material on June 16-21, 1996, at no cost to the Government.
- A request was received from Dr. Apostolakis to attend the Second International Conference on Human Factors Research in Nuclear Power Operations in Berlin, Germany, on November 26-December 1, 1996.

RECOMMENDATION

The Subcommittee recommended approval of the requests by Drs. Kress, Catton, and Apostolakis.

D. Future Meeting Agenda

Appendix IV summarizes the proposed items endorsed by the Committee for the 432nd ACRS Meeting, June 12-14, 1996.

The 431st ACRS meeting was adjourned at 1:00 p.m. on Saturday, May 25, 1996.

ment fitness-for-duty programs to ensure that personnel are not under the influence of any substance or are physically impaired, to retain certain records associated with the management of these programs, and to provide reports concerning the performance of the programs and certain significant events. Compliance with these requirements is mandatory for licensees subject to 10 CFR Part 26.

A proposed revision to 10 CFR Part 26 would modify the information collection requirements to, among other less significant changes, (1) Extend coverage to certain classes of fitness-for-duty programs; (2) require licensees to revise their written policy and procedures to incorporate minor administrative procedures, e.g., Medical Review Officer medical review procedures and changes to various technical guidelines contained in Appendix A of 10 CFR Part 26; (3) require all licensees to obtain information in addition to that currently provided in written form from individuals which would indicate whether the individual has a history of substance abuse; and (4) add fitness-for-duty personnel as a third class of people whose negative acts would be reported.

Submit by June 5, 1996, comments address the following questions:  
1. Is the proposed collection of information necessary for the NRC to properly perform its functions? Does the information have practical utility?

2. Is the burden estimate accurate?

3. Is there a way to enhance the quality, utility, and clarity of the information to be collected?

4. How can the burden of the information collection be minimized, including the use of automated collection techniques or other forms of information technology?

A copy of the submittal may be viewed free of charge at the NRC Public Document Room, 2120 L Street, NW. (Lower Level), Washington, DC. Members of the public who are in the Washington, DC, area can access this document via modem on the Public Document Room Bulletin Board (NRC's Advanced Copy Document Library), NRC subsystem at FedWorld, 703-321-3339. Members of the public who are located outside of the Washington, DC, area can dial FedWorld, 1-800-303-9672, or use the FedWorld Internet address: fedworld.gov (Telnet). The document will be available on the bulletin board for 30 days after the signature date of this notice. If assistance is needed in accessing the document, please contact the FedWorld help desk at 703-487-4608. Additional assistance in locating the document is available from the NRC Public Document Room, nationally at 1-800-397-4209, or within the Washington, DC, area at 202-634-3273.

Comments and questions should be directed to the OMB reviewer by June 5, 1996: Peter Francis, Office of Information and Regulatory Affairs (3150-0146) NEOB-10202, Office of Management and Budget, Washington, DC 20503.

Comments can also be submitted by telephone at (202) 395-3084.

#### NRC IMPORT LICENSE APPLICATION

Name of applicant, date of application, date received, application number	Description of material		End use	Country of origin
	Material type	Total quantity		
Siemens Power Corp., April 2, 1996, April 10, 1996, IW002.	Combustible material contaminated.	1,200 kgs, U 36 kgs, U-235, (5% max).	Incinerated into ash. Ash will be sold and exported for uranium recovery.	Germany.

For the Nuclear Regulatory Commission,  
Dated this 29th day of April 1996 at  
Rockville, Maryland.

Ronald D. Hauber,  
Director, Division of Nonproliferation,  
Exports and Multilateral Relations, Office of  
International Programs.

[FR Doc. 96-11187 Filed 5-3-96; 8:45 am]

BILLING CODE 7560-01-M

#### Advisory Committee on Reactor Safeguards; Meeting Notice

In accordance with the purposes of Sections 29 and 182b. of the Atomic

Energy Act (42 U.S.C. 2039, 2232b), the Advisory Committee on Reactor Safeguards will hold a meeting on May 23-25, 1996, in Conference Room T-2B3, 11545 Rockville Pike, Rockville, Maryland. The date of this meeting was previously published in the Federal Register on Monday, November 27, 1995 (60 FR 58333).

#### Thursday, May 23, 1996

8:30 a.m.-8:45 a.m.: Opening Remarks by the ACRS Chairman (Open)—The ACRS Chairman will make opening remarks regarding conduct of the meeting and comment briefly

The NRC Clearance Officer is Brenda Jo. Shelton, (301) 415-7233.

Dated at Rockville, Maryland, this 30th day of April 1996.

For the Nuclear Regulatory Commission,  
Gerald F. Crawford,

Designated Senior Official for Information Resources Management.

[FR Doc. 96-11185 Filed 5-3-96; 8:45 am]

BILLING CODE 7560-01-M

#### Application for a License To Import Nuclear Waste

Pursuant to 10 CFR 110.70(b) "Public notice of receipt of an application", please take notice that the Nuclear Regulatory Commission has received the following application for an import license. Copies of the application are on file in the Nuclear Regulatory Commission's Public Document Room located at 2120 L Street, NW., Washington, DC.

A request for a hearing or petition for leave to intervene may be filed within 30 days after publication of this notice in the Federal Register. Any request for hearing or petition for leave to intervene shall be served by the requestor or petitioner upon the applicant, the Office of the General Counsel, U.S. Nuclear Regulatory Commission, Washington, DC 20556; the Secretary, U.S. Nuclear Regulatory Commission, Washington, DC 20555; and the Executive Secretary, U.S. Department of State, Washington, DC 20520.

The information concerning the application follows.

regarding items of current interest. During this session, the Committee will discuss priorities for preparation of ACRS reports.

8:45 a.m.-10:45 a.m.: IPE Insights Report (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff and its consultants regarding the Individual Plant Examination (IPE) Insights Report with emphasis on issues pertaining to safety goals.

Representatives of the nuclear industry will participate, as appropriate.

11:00 a.m.-2:00 p.m.: Proposed Rule on Shutdown Operations (Open)—The

Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding the proposed Rule on Shutdown Operations, associated Regulatory Guide, and results of the NRC staff study of shutdown risk at Surry and Grand Gulf nuclear plants.

Representatives of the nuclear industry will participate, as appropriate.

**2:00 p.m.-3:30 p.m.: Digital Instrumentation and Control Systems (Open)**—The Committee will hear presentations by and hold discussions with representatives of the NRC staff and its consultants regarding proposed Standard Review Plan Sections, Regulatory Guides, and Branch Technical Positions associated with digital instrumentation and control systems.

Representatives of the nuclear industry will participate, as appropriate.

**3:45 p.m.-4:45 p.m.: Regulatory Review Group Recommendations (Open)**—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding the status of resolution and implementation of the Regulatory Review Group Recommendations.

Representatives of the nuclear industry will participate, as appropriate.

**4:45 p.m.-6:15 p.m.: Preparation of ACRS Reports (Open)**—The Committee will discuss proposed ACRS reports on matters considered during this meeting as well as proposed ACRS reports on conformance of operating plants with safety goals, severe accident research, and resolution of the multiple system responses program (MSRP) issues.

#### Friday, May 24, 1996

**8:30 a.m.-8:35 a.m.: Opening Remarks by the ACRS Chairman (Open)**—The ACRS Chairman will make opening remarks regarding conduct of the meeting.

**8:35 a.m.-8:15 a.m.: Preparation for meeting with the NRC Commissioners (Open)**—Discussion of items of mutual interest for meeting with the NRC Commissioners, including the following:

- Use of IPEs in the regulatory process, PRA framework document, pilot applications, and next step to expand the use of PRA in the regulatory process.
- Fire protection issues, including fire PRA models and PRA-based scoping analysis of degraded fire barriers.
- Proposed final revisions to 10 CFR Parts 50 and 100.
- Status of ACRS review of Regulatory Guidance documents related

to digital instrumentation and control systems.

- Status of ACRS review of standard plant designs:

- ABWR and system 80+ design certification rules
- AP600 design
- Test and analysis programs associated with the AP600 and SEWR designs

- Status of ACRS review of conformance of operating plants with NRC safety goals.

**9:30 a.m.-11:00 a.m.: Meeting with the NRC Commissioners, Commissioners' Conference Room, One White Flint North (Open)**—The Committee will meet with the NRC Commissioners to discuss items of mutual interest, including those noted above.

**11:15 a.m.-12:00 Noon: Report of the Planning and Procedures Subcommittee (Open/Closed)**—The Committee will hear a report of the Planning and Procedures Subcommittee on matters related to the conduct of ACRS business, and organizational and personnel matters relating to the ACRS staff.

A portion of this session may be closed to discuss the status of appointment of members to the ACRS, organizational and personnel matters that relate solely to the internal personnel rules and practices of this Advisory Committee, and matters the release of which would constitute a clearly unwarranted invasion of personal privacy.

**1:00 p.m.-1:30 p.m.: Future ACRS Activities (Open)**—The Committee will discuss recommendations of the Planning and Procedures Subcommittee regarding items proposed for consideration by the full Committee during future meetings.

**1:30 p.m.-1:45 p.m.: Reconciliation of ACRS Comments and Recommendations (Open)**—The Committee will discuss responses from the NRC Executive Director for Operations (EDO) to comments and recommendations included in recent ACRS reports, including the EDO response related to the ACRS report on fire probabilistic risk assessment reports by Brookhaven National Laboratory and certain fire barrier issues.

**1:45 p.m.-7:00 p.m.: Preparation of ACRS Reports (Open)**—The Committee will discuss proposed ACRS reports on matters considered during this meeting as well as proposed ACRS reports on conformance of operating plants with safety goals, severe accident research, and resolution of the multiple system responses program (MSRP) issues.

#### Saturday, May 25, 1996

**8:30 a.m.-11:30 a.m.: Preparation of ACRS Reports (Open)**—The Committee will continue discussion of proposed ACRS reports on matters considered during this meeting as well as the proposed reports on other matters noted above.

**11:45 a.m.-1:00 p.m.: Strategic Planning (Open)**—The Committee will discuss items that are of significant importance to NRC, including rebaselining of the Committee activities for FY 96-97.

Procedures for the conduct of and participation in ACRS meetings were published in the Federal Register on September 27, 1995 (60 FR 49925). In accordance with these procedures, oral or written statements may be presented by members of the public, electronic recordings will be permitted only during the open portions of the meeting, and questions may be asked only by members of the Committee, its consultants, and staff. Persons desiring to make oral statements should notify Mr. Sam Dursiewamy, Chief, Nuclear Reactors Branch, at least five days before the meeting, if possible, so that appropriate arrangements can be made to allow the necessary time during the meeting for such statements. Use of still, motion picture, and television cameras during this meeting may be limited to selected portions of the meeting as determined by the Chairman.

Information regarding the time to be set aside for this purpose may be obtained by contacting the Chief of the Nuclear Reactors Branch prior to the meeting. In view of the possibility that the schedule for ACRS meetings may be adjusted by the Chairman as necessary to facilitate the conduct of the meeting, persons planning to attend should check with the Chief of the Nuclear Reactors Branch if such rescheduling would result in major inconvenience.

In accordance with Subsection 10(d) Public Law 92-463, I have determined that the portions of this meeting noted above shall be closed pursuant to 5 U.S.C. 552b(c)(2), to discuss matters that relate solely to the internal personnel rules and practices of this Advisory Committee, and pursuant to 5 U.S.C. 552b(c)(6), to discuss matters the release of which would constitute a clearly unwarranted invasion of personal privacy.

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



unswamy, Chief, Nuclear Reactors  
inch (telephone 301/415-7364),  
between 7:30 a.m. and 4:15 p.m. EDT.  
ACRS meeting notices, meeting  
transcripts, and letter reports are now  
available on FedWorld from the "NRC  
MAIN MENU." Direct Dial Access  
number to FedWorld is (800) 303-9672;  
the local direct dial number is 703-321-  
3339.

Dated: April 30, 1996.

Andrew L. Bates.

Advisory Committee Management Officer.

[FR Doc. 96-11186 Filed 5-3-96; 8:45 am]

BILLING CODE 7560-01-P

**Iowa, North Dakota and Utah;  
Relinquishment of Sealed Source and  
Device Evaluation Authority and  
Reassumption by the Commission**

AGENCY: Nuclear Regulatory  
Commission.

ACTION: Notice of reassumption of sealed  
source and device evaluation authority  
from the states of Iowa, North Dakota,  
and Utah.

SUMMARY: Notice is hereby given that  
effective June 1, 1996, the Nuclear  
Regulatory Commission will reassume  
regulatory authority for sealed source  
device evaluations in the  
element States of Iowa, North Dakota,  
and Utah in response to requests from  
those States to relinquish that authority.  
EFFECTIVE DATE: June 1, 1996.

FOR FURTHER INFORMATION CONTACT:  
Stephen Salomon, Office of State  
Programs, U.S. Nuclear Regulatory  
Commission, Washington, DC 20555-  
0001. Telephone: (301) 415-2368.  
Internet: SNS@NRC.GOV.

SUPPLEMENTARY INFORMATION: Currently,  
Iowa, North Dakota, and Utah have  
agreements with the Nuclear Regulatory  
Commission (NRC) which grant these  
States authority to regulate specific  
categories of radioactive materials  
formerly regulated by NRC. These  
agreements have been entered into  
pursuant to Section 274b of the Atomic  
Energy Act of 1954, as amended.  
Recently, the NRC received letters from  
North Dakota Governor Edward T.  
Schafer (September 25, 1995), Iowa  
Governor Terry E. Branstad (January 22,  
1996), and Utah Governor Michael O.  
Leavitt (January 16, 1996), each  
requesting to relinquish his State's  
authority to evaluate sealed sources and  
devices, and that the NRC reassume this  
authority. The requested NRC action  
involve reassertion of regulatory  
authority by NRC over activities  
currently regulated by these States  
pursuant to their agreements with NRC.

The Governors note there has been little  
or no need to conduct such evaluations  
in the past and given no future  
prospects for device evaluations, they  
do not believe they can continue to  
justify the costs to the State to maintain  
this authority.

The Commission has agreed to these  
requests and has notified these  
Agreement States that effective June 1,  
1996, the NRC will reassume authority  
to evaluate and approve sealed source  
and device applications within these  
States. Iowa, North Dakota, and Utah  
will retain authority to regulate the  
manufacture and use of sealed sources  
and devices within the respective State  
in accordance with its Section 274b  
agreement with the NRC.

Dated at Rockville, Maryland, this 30th day  
of April, 1996.

For the Nuclear Regulatory Commission.

John C. Heyle,

Secretary of the Commission.

[FR Doc. 96-11186 Filed 5-3-96; 8:45 am]

BILLING CODE 7560-01-P

**Appointments to Performance Review  
Boards for Senior Executive Service**

AGENCY: U.S. Nuclear Regulatory  
Commission.

ACTION: Appointment to Performance  
Review Boards for Senior Executive  
Service.

SUMMARY: The U.S. Nuclear Regulatory  
Commission (NRC) has announced the  
following appointments to the NRC  
Performance Review Boards.

The following individuals are  
appointed as members of the NRC  
Performance Review Board (PRB)  
responsible for making  
recommendations to the appointing and  
awarding authorities on performance  
appraisal ratings and performance  
awards for Senior Executives:

**New Appointees**

John T. Larkins, Executive Director,  
Advisory Committee on Reactor  
Safeguards/Advisory Committee on  
Nuclear Waste

In addition to the above new  
appointments, the following members  
are continuing on the PRB:

Richard L. Bangart, Director, Office of  
State Programs

James L. Blaha, Assistant for Operations,  
Office of the Executive Director for  
Operations

Stephen G. Burns, Associate General  
Counsel, Office of the General  
Counsel

Leonard J. Callan, Regional  
Administrator, Region IV

Lawrence J. Chandler, Assistant General  
Counsel, Office of the General  
Counsel

Bill M. Morris, Director, Division of  
Regulatory Applications, Office of  
Nuclear Regulatory Research

Ronald M. Scroggins, Deputy Chief  
Financial Officer/Controller, Office of  
the Controller

Elizabeth Q. Ten Eyck, Deputy Director,  
Division of Fuel Cycle Safety and  
Safeguards, Office of Nuclear Material  
Safety and Safeguards

Ashok Thadani, Associate Director for  
Technical Assessment, Office of  
Nuclear Reactor Regulation

**Appointments to Performance Review  
Boards**

The following individuals will  
continue as members of the NRC PRB  
Panel that was established to review  
appraisals and make recommendations  
to the appointing and awarding  
authorities for NRC PRB members:

Hugh L. Thompson, Jr., Deputy  
Executive Director for Nuclear  
Materials Safety, Safeguards and  
Operations Support, Office of the  
Executive Director for Operations  
Karen D. Cyr, General Counsel, Office of  
the General Counsel

James L. Milhoan, Deputy Executive  
Director for Nuclear Reactor  
Operations, Regulatory Operations,  
and Research, Office of the Executive  
Director for Operations

All appointments are made pursuant  
to Section 4314 of Chapter 43 of Title  
5 of the United States Code.

EFFECTIVE DATE: May 6, 1996.

FOR FURTHER INFORMATION CONTACT:  
Carolyn J. Swanson, Secretary,  
Executive Resources Board, U.S.  
Nuclear Regulatory Commission,  
Washington, DC 20555; (301) 415-7103.

Dated at Rockville, Maryland, this 29th day  
of April 1996.

For the U.S. Nuclear Regulatory  
Commission.

Carolyn J. Swanson,

Secretary, Executive Resources Board.

[FR Doc. 96-11180 Filed 5-3-96; 8:45 am]

BILLING CODE 7560-01-P

**SECURITIES AND EXCHANGE  
COMMISSION**

[Rel. No. IC-21924; 811-5544]

**Canadian Dollar Performance Portfolio  
L.P.; Notice of Application**

April 29, 1996.

AGENCY: Securities and Exchange  
Commission ("SEC").



APPENDIX II

UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS  
WASHINGTON, D. C. 20555

May 7, 1996

SCHEDULE AND OUTLINE FOR DISCUSSION  
431st ACRS MEETING  
MAY 23-25, 1996

Thursday, May 23, 1996, Conference Room 2B3, Two White Flint North,  
Rockville, Maryland

1) 8:30 - 8:45 A.M.

Opening Remarks by the ACRS Chairman (Open)  
1.1) Opening Statement (TSK/SD)  
1.2) Items of Current Interest  
(TSK/JTL/SD)  
1.3) Priorities for Preparation of ACRS  
Reports (TSK/SD)

2) 8:45 - 10:45 A.M.

IPE Insights Report (Open) (GA/MTM)  
2.1) Remarks by the Subcommittee Chairman  
2.2) Briefing by and discussions with  
representatives of the NRC staff  
and its consultants regarding the  
IPE Insights Report with emphasis on  
issues pertaining to safety goals.

Representatives of the nuclear industry will  
participate, as appropriate.

10:45<sup>55</sup> - 11:00<sup>10</sup> A.M.

BREAK

3) 11:00<sup>10</sup> - 1:45<sup>15</sup> P.M.  
[12:00<sup>25</sup> - 1:00<sup>15</sup> P.M. LUNCH]

Proposed Rule on Shutdown Operations  
(Open) (JCC/AS)

3.1) Remarks by the Subcommittee Chairman  
3.2) Briefing by and discussions with  
representatives of the NRC staff  
regarding the proposed rule on  
Shutdown Operations, associated  
Regulatory Guide, and results of the  
NRC staff study of shutdown risk at  
Surry and Grand Gulf nuclear plants.

Representatives of the nuclear industry will  
participate, as appropriate.

1:45 - 2:01 P.M.

Certification of two evolutionary designs, dated 4/15/96

{ TRANSCRIBED PORTIONS OF THE MEETING }



4) 2:<sup>07</sup>~~00~~ - 3:<sup>45</sup>~~30~~ P.M.

Digital Instrumentation and Control Systems  
(Open) (DWM/MTM)

- 4.1) Remarks by the Subcommittee Chairman
- 4.2) Briefing by and discussions with representatives of the NRC staff and its consultants regarding proposed Standard Review Plan Sections, Regulatory Guides, and Branch Technical Positions associated with digital instrumentation and control systems.

Representatives of the nuclear industry will participate, as appropriate.

3:<sup>45</sup>~~30~~ - 4:<sup>02</sup>~~45~~ P.M.

BREAK

5) 4:<sup>02</sup>~~45~~ - 4:45 P.M.

Regulatory Review Group Recommendations  
(Open) (RLS/NFD)

- 5.1) Remarks by the Subcommittee Chairman
- 5.2) Briefing by and discussions with representatives of the NRC staff regarding the status of resolution and implementation of the Regulatory Review Group Recommendations.

Representatives of the nuclear industry will participate, as appropriate.

6) 4:45 - 6:<sup>15</sup>~~00~~ P.M.

Preparation of ACRS Reports (Open)  
Discussion of proposed ACRS reports on:

- 6.1) Proposed Final Rule on Shutdown Operations (JCC/AS)
- 6.2) Regulatory Guidance Documents Related to Digital Instrumentation and Control Systems (DWM/MTM)
- 6.3) Severe Accident Research (MHF/NFD)
- 6.4) Implementation of the Regulatory Review Group Recommendations (RLS/NFD)
- 6.5) Conformance of Operating Plants with Safety Goals (TSK/NFD)
- 6.6) Resolution of the Multiple System Responses Program (MSRP) Issues (CJW/MME/AWC)

Friday, May 24, 1996, Conference Room 2B3, Two White Flint North,  
Rockville, Maryland

- 7) 8:30 - 8:35 A.M. Opening Remarks by the ACRS Chairman (Open)  
(TSK/SD)
- 8) 8:35 - 9:15 A.M. Preparation for meeting with the NRC  
Commissioners (Open) (TSK, et al./SD,  
et al.)  
Discussion of items of mutual interest  
for meeting with the NRC Commissioners,  
including the following:
- 8.1) Use of IPEs in the regulatory  
process, PRA framework document,  
pilot applications, and next steps  
to expand the use of PRA in the  
regulatory process (GA)
  - 8.2) Fire protection issues, including  
fire PRA models and PRA-based scoping  
analysis of degraded fire barriers  
(IC)
  - 8.3) Proposed final revisions to 10 CFR  
Parts 50 and 100 (WJL)
  - 8.4) Status of ACRS review of Regulatory  
Guidance documents related to digital  
instrumentation and control systems  
(DWM)
  - 8.5) Status of ACRS review of standard  
plant designs:
    - ABWR and system 80+ design  
certification rules (JCC)
    - AP600 design (WJL)
    - Test and analysis programs  
associated with the AP600 and SBWR  
designs (IC)
  - 8.6) Status of ACRS review of conformance  
of operating plants with NRC safety  
goals (TSK)
- 9:15 - 9:30 A.M. BREAK

9) 9:30 - 11:00 A.M.

Meeting with the NRC Commissioners,  
Commissioners' Conference Room, One White  
Flint North (Open)  
Meeting with the NRC Commissioners to  
discuss items of mutual interest, including  
those listed under Item 8.

11:00 - 11:<sup>34</sup>~~00~~ A.M.

11:34 - 11:40 A.M.

11:40 - 11:50 A.M.

10) ~~11:50~~ - ~~12:00 Noon~~

BREAK

*Reconciliation - Item 12*

*ACRS Letter Reports - Item 13*

Report of the Planning and Procedures  
Subcommittee (Open/Closed) (TSK/JTL)  
Report of the Planning and Procedures  
Subcommittee on matters related to the  
conduct of ACRS business, and organizational  
and personnel matters relating to the ACRS  
staff.

[Note: A portion of this session may  
be closed to discuss the status of  
appointment of members to the ACRS,  
organizational and personnel matters  
that relate solely to the internal  
personnel rules and practices of this  
Advisory Committee, and matters the release  
of which would constitute a clearly  
unwarranted invasion of personal privacy.]

~~11:50~~ - ~~12:00~~ P.M.

1:10 - 1:25 P.M.

1:25 - 3:05 P.M.

11) ~~3:05~~ - ~~4:00~~ P.M.

3:40 - 4:00 P.M.

LUNCH

*ACRS Letter Reports - Item 13*

*Planning + Procedures Subcommittee - Item 10*

Future ACRS Activities (Open) (TSK/SD)

Discussion of the recommendations of the  
Planning and Procedures Subcommittee  
regarding items proposed for consideration  
by the full Committee during future  
meetings.

12) ~~1:20~~ - ~~1:45~~ P.M.

Reconciliation of ACRS Comments and  
Recommendations (Open) (TSK, et al./SD,  
et al.)

Discussion of the responses from the NRC  
Executive Director for Operations to  
comments and recommendations included in  
recent ACRS reports.

13) ~~1:45~~<sup>4:00</sup> - 7:00 P.M.  
(3:00 - 3:15 BREAK)

Preparation of ACRS Reports (Open)  
Discussion of proposed ACRS reports on:  
13.1) Proposed Rule on Shutdown Operations (JCC/AS)  
13.2) Regulatory Guidance Documents Related to Digital Instrumentation and Control Systems (DWM/MTM)  
13.3) Severe Accident Research (MHF/NFD)  
13.4) Implementation of the Regulatory Review Group Recommendations (RLS/NFD)  
13.5) Conformance of Operating Plants with Safety Goals (TSK/NFD)  
13.6) Resolution of the Multiple System Responses Program (MSRP) Issues (CJW/MME/AWC)

Saturday, May 25, 1996, Conference Room 2B3, Two White Flint North, Rockville, Maryland

14) 8:~~30~~<sup>15</sup> - 11:30 A.M.

Preparation of ACRS Reports (Open)  
Continue discussion of proposed ACRS reports identified under Item 13.

11:30 - 11:45 A.M.

BREAK

15) 11:45 - 1:00 P.M.

Strategic Planning (Open) (TSK/JTL)  
Discussion of items of significant importance to NRC, including rebaselining of the Committee activities for FY 96-97.

NOTE:

- Presentation time should not exceed 50 percent of the total time allocated for a specific item. The remaining 50 percent of the time is reserved for discussion.
- Number of copies of the presentation materials to be provided to the ACRS - 35.

APPENDIX III: MEETING ATTENDEES

431ST ACRS MEETING  
MAY 23-25, 1996

NRC STAFF

D. Allsopp	NRR/DISP
J. Austin	NRC/DWM
S. Black	NRR/DRCH/HQMS
R. Brill	RES/CIHFB
M. Cheok	NRR/DSSA
M Chiramal	NRR/HICB
D. Coe	NRR/DISP
F. Coffman	RES
E. Collins	RES/PRAB
K. Desai	NRR/SRXB
S. Dinsmore	NRR/PSAR
M. Drouim	RES
J. Flack	NRR/PSAB
J. Ganiere	NRR/HICB
W. Haass	NRR/HQMB
W. Hodges	RES
T. Hsia	NRC/NRR
G. Imbro	NRR
R. Jones	NRR/DSSA
W. Jones	RES/PRDB
J. Kramer	RES/CIHFB
J. Lane	RES/PRAB
W. Lyon	NRR/SRXB
M. Malloy	NRR
L. Michel	NRR
M. Pohida	NRR
T. Quinn	ACRS
A. Ramey-Smith	RES/PRAB
M. Rubin	NRR/DSSA
J. Stewart	NRR/HICB
L. Soffer	NRC/EDO
T. Su	RES/PRAB
Suharyant	NRR
E. Susilowati	NRR
J. Trapp	NRR
H. Vandermolen	RES
E. Weiss	NRR/SRXB
J. Wermiel	NRR/DRCH/HICB
J. Wilson	NRR

ATTENDEES FROM OTHER AGENCIES AND GENERAL PUBLIC

S. Bernhoff	WPSC
F. Butler	PaPur & Light Co.
W. Cross	STS
P. Dadlam	Bechtel
H. Dexfuli	Scientech
H. Farag	Egyptian, NPPN
H. Fontecilla	VA Power
R. Huston	TVA
G. Johnson	LLNL
S. Kalrd	EPRI
D. Kelly	INEL
J. Lehner	BNL
J. Meyer	Scientech
J. Mowes	Winston & Strawn
T. Pietrangelo	NEI
H. Pontious	Commonwealth Co.
W. Pratt	BNL
M. Rashil	NPPN
J. Scott	LLNL
A. Wyche	SERCH Licensing/Bechtel
F. Zikria	NUS



#### APPENDIX IV: FUTURE AGENDA

The Committee agreed to consider the following during the 432nd ACRS Meeting, June 12-14, 1996:

Draft Regulatory Guide, DG-1047, "Standard Format and Content for Applications to Renew Nuclear Power Plant Operating Licenses" - The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding draft Regulatory Guide, DG-1047.

Representatives of the nuclear industry will participate, as appropriate.

IPE Insights Report - The Committee will hear presentations by and hold discussions with representatives of the NRC staff and its contractors regarding the draft IPE Insights Report.

Representatives of the nuclear industry will participate, as appropriate.

Loss of Offsite Power at Catawba, Unit 2 - The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding the findings and recommendations of the NRC Special Inspection Team which investigated the loss of offsite power that occurred on February 6, 1996 at the Catawba Nuclear Plant, Unit 2.

Representatives of the licensee will participate, as appropriate.

Issues Associated with Steam Generators - The Committee will hear presentations by and hold discussions with representatives of the NRC staff and NEI regarding issues associated with steam generators.

Representatives of other interested parties will participate, as appropriate.

Browns Ferry Nuclear Plant, Unit 3 - The Committee will hear presentations by and hold discussions with representatives of the licensee (Tennessee Valley Authority) regarding issues that led to the shutdown of Browns Ferry Unit 3, and the corrective actions taken by the licensee prior to restart.

Representatives of the NRC staff will participate, as appropriate.

Health Effects of Low-Levels of Ionizing Radiation - The Committee will hear presentations by and hold discussions with representatives of the NRC staff and the Health Physics Society regarding the health effects of low levels of ionizing radiation.

Representatives of the nuclear industry and other interested parties will participate, as appropriate.

NRC Policy Regarding the Use of Potassium Iodide after a Severe Accident - The Committee will hear presentations by and hold discussions with representatives of the NRC staff and NEI, the author of the petition for rulemaking, and an invited expert regarding the NRC policy associated with the stockpiling of potassium iodide near nuclear power plants.

Other interested parties will participate, as appropriate.

[Note: This item has been deferred indefinitely as requested by the NRC Staff.]

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

- 1     Opening Remarks by the ACRS Chairman
  1.   Items of Interest, dates May 23-25, 1996
  
- 2     IPE Insights Report
  2.   Individual Plants Examination Insights, dated May 23, 1996, presented by Mary Drouin, RES, and Trevor Pratt, Brookhaven National Laboratory [Viewgraphs]
  
- 3     Proposed Rule on Shutdown Operations
  3.   Progress in the Development of 10 CFR 50.67: Shutdown Operation of Nuclear Power Plants, dated May 23, 1996, presented by Warren C. Lyon, NRR [Viewgraphs]
  4.   Proposed Rule on Shutdown Operations, dated May 21, 1996, presented by Tony Feitangelo, Nuclear Energy Institute [Viewgraphs]
  5.   Risk Analysis of Accidents Initiated During Low Power and Shutdown Conditions, dated May 23, 1996, presented by Harold VanderMolen, RES [Viewgraphs]
  
- 4     Digital Instrumentation and Control Systems
  6.   Standard Review Plan Update, dated May 22, 1996, presented by Matthew Chirmal, NRR [Viewgraphs]
  7.   Regulatory Guides for IEEE Software Engineering Standards, dated May 23, 1996, presented by John A. Scott, Lawrence Livermore National Laboratory [Viewgraphs]
  
- 5     Regulatory Review Group Recommendations
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9. Memorandum from John T. Larkins, ACRS, to John C. Hoyle, Secretary of the Commission, dated May 15, 1996: ACRS Meeting with the NRC Commissioners on May 24, 1996 -- Schedule/ Background Information

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11. Future ACRS Activities - 432nd ACRS Meeting, June 12-14, 1996 [Handout #11.1]
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12. Excerpt from 409th ACRS meeting Minutes, dated May 5-7, 1994: Proposed Rule on Shutdown Operations of Nuclear Power Plants
13. Memorandum from D.A. Ward, Chairman, ACRS, to J.M. Taylor, Executive Director for Operations, dated September 15, 1992: NRC Staff's Proposed Resolution of Issues Identified in its Evaluation of Shutdown and Low-Power Operations
14. Memorandum from J.M. Taylor, Executive Director for Operations, to D.A. Ward, Chairman, ACRS, dated October 15, 1992: NRC's Staff's Proposed Resolution of Issues Identified in its Evaluation of Shutdown and Low-Power Operations (in responding to the ACRS Letter of September 15, 1992)
15. Memorandum from D.A. Ward, Chairman, ACRS, to J.M. Taylor, Executive Director for Operations, dated April 9



- 1992: Evaluation of the Risks During Shutdown and Low-Power Operations for U.S. Nuclear Power Plants
16. Memorandum from J.M. Taylor, Executive Director for Operations, to D.A. Ward, Chairman, ACRS, dated May 13, 1992: Evaluation of the Risks During Shutdown and Low-Power Operations for U.S. Nuclear Power Plants (in responding to the ACRS Letter of April 9, 1992)
  17. Memorandum from D.A. Ward, Chairman, ACRS, to J.M. Taylor Executive Director for Operations, dated August 13, 1991: Evaluation of the Risks During Shutdown and Low-Power Operations for U.S. Nuclear Power Plants
  18. Memorandum from J.M. Taylor, Executive Director for Operations, to D.A. Ward, Chairman, ACRS, dated September 18, 1991: Evaluation of Risks During Low Power and Shutdown Operations of Nuclear Power Plants (in responding to the ACRS Letter of August 13, 1991)
  19. Letter from William H. Rasin of Nuclear Energy Institute to William T. Russell, Director of Nuclear Reactor Regulation, dated September 28, 1995
  20. Letter from Phillip Bayne of Nuclear Energy Institute, to NRC Chairman Ivan Selin, dated May 25, 1994
  21. NRC Information Notice 95-57, Risk Study regarding maintenance during Low-Power Operations and Shutdown, dated December 13, 1995
  22. Memorandum from W. Lyon, Senior Reactor Systems Engineer, Reactor Systems Branch, Division of Systems Safety and Analysis, Office of Nuclear Reactor Regulation, to Robert C. Jones, Chief of Reactor Systems Branch, dated May 3, 1996, : Meeting Report: Meeting of April 23, 1996 to discuss the draft rule and Regulatory Guide for Shutdown Operation of Nuclear Power Plants and related topics
  23. Letter from William T. Russell, Director of Nuclear Reactor Regulation, to William H. Rasin, dated February 29, 1996 (in responding to William H. Rasin Letter of September 28, 1995)
  24. Letter from William H. Rasin of Nuclear Energy Institute to William T. Russell, Director of Nuclear Reactor Regulation, dated March 22, 1996
  25. NUREG/CR-6144 BNL-NUREG-52399, Vol.1. Evaluation of Potential Severe Accidents During Low Power and Shutdown Operations at Surry, Unit 1
  26. NUREG/CR-6144 SAND93-2440, Vol. 1, Evaluation of Potential Severe Accidents During Low Power and Shutdown Operations at Grand Gulf, Unit 1
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