

**U.S. NUCLEAR REGULATORY COMMISSION
U.S. DEPARTMENT OF ENERGY**

**PRESENTATION TO
THE
NUCLEAR WASTE TECHNICAL REVIEW BOARD
JULY 12, 1995**



**Presentation to the
NUCLEAR WASTE TECHNICAL REVIEW BOARD
By the:
U. S. Nuclear Regulatory Commission**

July 12, 1995

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|---|-------------------------------------|--------------------|
| * | Overview of NRC | JHolonich |
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Attachments

1. 10 CFR Part 2
2. 10 CFR Part 60
3. 10 CFR Part 51
4. Statement of Considerations for 10 CFR Part 60
5. Management Directive 3.5 (Public Attendance at Certain Meetings Involving the NRC Staff)
6. Union Electric Callaway Plant License



*United States
Nuclear Regulatory Commission*

OVERVIEW OF THE U.S. NUCLEAR REGULATORY COMMISSION

**Presented to:
Nuclear Waste Technical Review Board
By:**

**Joseph J. Holonich, Chief
High-Level Waste and Uranium Recovery Project Branch
Division of Waste Management
Office of Nuclear Material Safety and Safeguards**

**July 12, 1995
(301) 415-7238**

BACKGROUND ON NRC

- O Independent regulatory agency**
- O Established through Energy Reorganization Act of 1974**
- O Approximately 2,800 staff members**
- O Responsible for licensing civilian use of radioactive material**
 - Nuclear power plants**
 - Special nuclear, source, and byproduct material**
 - Transportation**
 - Low-level and high-level waste**

MAJOR PROGRAM ORGANIZATIONS

**ATOMIC
SAFETY
AND
LICENSING
BOARD PANEL**

COMMISSION

**ADVISORY
COMMITTEE
ON NUCLEAR
WASTE**

**EXECUTIVE
DIRECTOR FOR
OPERATIONS**

**NUCLEAR
REACTOR
REGULATION**

**NUCLEAR
REGULATORY
RESEARCH**

**NUCLEAR
MATERIAL
SAFETY AND
SAFEGUARDS**

DIVISION OF WASTE MANAGEMENT

Waste Management Division

Director: John Greeves

Deputy Director: Margaret Federline

Low-Level Waste and Decommissioning Projects Branch	High-Level Waste and Uranium Recovery Projects Branch	Performance Assessment and Hydrology Branch	Engineering and Geology Branch
*	*	*	*
Chief: M. Weber	Chief: J. Holonich	Chief: J. Austin	Chief: M. Bell

NRC'S BASIC REGULATORY PHILOSOPHY

"The NRC and its licensees share a common responsibility to protect public health and safety. Federal regulations and the NRC regulatory program are important elements in the protection of the public. NRC licensees, however, have the primary responsibility for the safe use of nuclear materials."

(NRC Information Digest, 1995 Edition, NUREG-1350 V7)

IMPORTANCE OF DOE QUALITY ASSURANCE

- o NRC cannot review or inspect everything**
- o DOE Quality Assurance (QA)**
 - Structured and systematic method of obtaining facts and data**
 - Helps determine if work done properly**
 - Ensures problems are identified and corrected**
- o DOE records**
 - Supporting documentation for NRC licensing decision**
 - Provide traceability of work**
 - Lack of complete records: NRC cannot make a finding that work was done properly**

ISSUE RESOLUTION

- o Process agreed upon in February 1992**

- o Basic principles of issue resolution process**
 - Staff has no comments or questions at this time**
 - Final resolution can only come through rulemaking or licensing review**
 - Issues resolved at the staff level can be opened if new information arises**

- o Applicability of Process**
 - Current open issues**
 - License Application Annotated Outline Review**
 - Other document reviews**

OPENNESS POLICY

- o Commission statement on openness**
 - o NRC Management Directive**
 - o Public Meetings**
 - Planned formal encounter open to the public**
 - Interaction between one or more NRC staff and one or more outsider persons**
 - An outside person is any individual who is not acting in an official capacity as a representative of an agency of the executive, legislative, or judicial branch of the U. S. Government (except when the agency is subject to NRC regulatory oversight);**
 - o Exemptions to open meetings**
-



*United States
Nuclear Regulatory Commission*

U.S. NUCLEAR REGULATORY COMMISSION
HIGH-LEVEL WASTE PROGRAM

Presented to:

Nuclear Waste Technical Review Board

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GOALS OF NRC'S PROGRAM

- o Conduct HLW program that provides for:
 - Timely and complete guidance to DOE**
 - Early identification and resolution of major licensing issues**
 - Compliance with applicable statutes****

- o Ensure NRC's regulatory framework provides consistent and adequate protection of public health and safety, of workers and the environment**

GOALS OF NRC'S PROGRAM (CONT'D)

- o Ensure that research provides the technical basis for timely and sound rulemaking and other regulatory decisions**

- o Two aspects of program**
 - Regulatory Strategy**
 - Overall Review Strategy**

NRC'S REGULATORY ROLE

- o Develops Regulations and guidance**

 - 10 CFR Part 60**

 - License Application Format and Content
Regulatory Guide**

 - License Application Review Plan (LARP)**

- o Pre-applications review**

 - Prelicensing consultation to help enable the
Department of Energy (DOE) to prepare a
complete and high quality application**

 - Prepare preliminary site characterization
sufficiency comments to be included in DOE's
recommendation to the President**

NRC'S REGULATORY ROLE (CONT'D)

o Review of License Application

-Burden of proof on DOE to provide complete and high quality license application that demonstrates compliance with 10 CFR Part 60

-NRC reviews license application and determines acceptability of DOE demonstration of compliance

BACKGROUND ON REGULATORY STRATEGY

- o Unique regulatory program**
- o Want to ensure hearing is focused on a demonstration of compliance not the meaning of the rule**
- o Evaluated 10 CFR Part 60 for clarity and completeness**
- o 54 Regulatory and institutional uncertainties identified**

OVERALL REVIEW STRATEGY

- o Policy to guide staff in meeting its programs objectives**
- o Provides objectives for
 - License Application review**
 - Pre-licensing reviews****
- o Contributes to prioritizing and integrating program activities**
- o Basis for vertical slice approach**

REVIEW OBJECTIVES

- o Support Commission's construction authorization decision with three-year mandated time period**
- o Streamline License Application reviews**
- o Support Commission's preliminary site characterization sufficiency comments required by the Act**
- o Identify concerns and provide guidance to DOE regarding the completeness of the License Application**
- o Identify concerns with potential adverse effects of DOE activities on waste isolation capability of the site**
- o Respond to DOE requests**

PROGRAM IMPLEMENTATION

- o Regulatory development**
- o LARP preparation**
- o Review of DOE documents**
- o Quality Assurance activities and infield verifications**
- o Tracking of Open Items**

OPEN ITEM TRACKING SYSTEM

o Capabilities

- Full-test search and retrieval**
- Report Generation**
- Long-term tracking of issues**

o Data files

- Regulatory issues**
- Review issues**
- Status**

VERTICAL SLICE PROCESS

- o Implement Overall Review Strategy**
- o Focus on key technical issues which have their basis in key technical uncertainties**
- o Work undertaken for these issues will include QA activities, in-field verifications, interactions, and data review**
- o Focus research and technical assessment method development**

VERTICAL SLICE PROCESS (CONT'D)

- o Develop necessary review plans and guidance**
 - o Evaluate program approach**
 - Necessary information for a complete license application**
 - Provide timely feedback to DOE and other parties**
 - o License Application Annotated Outline can be an effective tool to document prelicensing reviews**
 - Describe bounding assumptions**
 - Resolve technical issues**
 - Consolidation information**
 - Eliminate topical and technical reports**
-

KEY TECHNICAL ISSUES UNDER CONSIDERATION

- o Volcanism probability and consequence**
- o Location and characterization of structural features which affect water and vapor**
- o Thermal, hydrologic, mechanical, and chemical coupled process**
- o Thermal effects and redistribution of moisture**
- o Waste package degradation processes**
- o Geotechnical effects on radionuclide transport within and beyond the thermally altered zone**
- o Evolution of groundwater in the near-field environment**
- o Scenario selection and calculation of consequences**

SUMMARY

- o Staff activities in place to address regulatory and review aspects of the high-level waste program**
- o Significant activities being undertaken to implement mandates given in Act**
- o Vertical slice approach**
 - Help focus staff work**
 - Will provide real time feedback of DOE Program Approach**



*United States
Nuclear Regulatory Commission*

U. S. Nuclear Regulatory Commission SITE CHARACTERIZATION ACTIVITIES

*** * * * ***

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*** * * * ***

**July 12, 1995
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OVERVIEW OF NRC REVIEW PHILOSOPHY FOR SITE CHARACTERIZATION

- o NRC Role is Mandated by Nuclear Waste Policy Act, as amended (NWPA)**
 - o NRC determines if sufficient data will be collected to support a license application.**
 - o This is accomplished through various interactions and reviews.**
-

GOVERNING DOCUMENTS

o NWPA

- Prelicensing consultation program**
- Describes Roles of NRC, DOE, States, Tribes, Affected Units of Local Government**
- Site Characterization Plan**
- Progress Reports at least semi-annually**

o 10 CFR Part 60

- Subpart B - Preapplication Review**
- Subpart C - Participation of States, Tribes, Affected Units of Local Government**
- Subpart D - Inspections**
- Subpart E - Technical Criteria**
- Subpart F - Performance Confirmation Program**
- Subpart G - Quality Assurance**

GOVERNING DOCUMENTS (CON'T)

o Procedural Agreement

- Agreement between the NRC staff and DOE**
- Describes interaction during pre-licensing consultation.**

o Site-Specific Agreements

- Implements Procedural Agreements**
- Focus on activities of On-Site Representatives, sample collection, etc.**

o Commission Openness Policy

- Context in which all interactions are conducted**
- Interactions open to State and Local Governments, and to interested members of the public.**

NRC SITE CHARACTERIZATION REVIEWS

- o Evaluation of Site Characterization Plan (SCP) and Progress Reports**
- o The NRC staff published its Site Characterization Analysis in 1989**
 - The SCA contained 2 objections, 133 Comments, and 63 Questions**
 - The staff has continued to generate comments and questions on Study Plans, SCP Progress Reports, Annotated Outlines.**
 - All comments must be resolved before a license application review can be completed.**

ON-SITE REPRESENTATIVES

- o Two On-Site Representatives (ORs) are stationed in Las Vegas**
- o Satellite office at the Facility Operations Center at Yucca Mountain.**
- o Responsibilities of ORs**
 - NRC eyes and ears in the field**
 - Conduct routine, ongoing field work for NRC**
 - Identify areas where additional follow up may be warranted**
 - Supported by headquarters staff**
- o Operate under agreements contained in Appendix 7 of the Site-Specific Agreement**
 - Point of prompt information exchange and consultation**
 - Not subject to notification and participation or schedule requirements**
 - No formal reports on interactions**

OBSERVATION OF DOE QUALITY ASSURANCE AUDITS

- o The NRC staff reviews DOE QA documents and observes DOE QA audits**
- o Process helps staff ensure acceptable implementation of 10 CFR Part 60, Subpart G during site characterization**
- o Observations**
 - Gives insight into acceptability and effectiveness of implementation**
 - Provides confidence that work is being done in an acceptable manner**

OTHER INTERACTIONS

- o Meetings**
 - Management Meetings are held bi-monthly to discuss major issues**
 - Technical Meetings on important technical issues.**
 - Positions can be taken and formal minutes are kept of meetings**

- o Technical Exchanges**
 - Technical Exchanges allow for a free and open discussion of technical issues and an exchange of ideas**
 - No positions are taken**

- o Site visits**
 - Formally noticed**
 - Provide NRC staff with the opportunity to observe field activities.**

- o Appendix 7 Visits**
 - Headquarters NRC staff are temporarily assigned as On-Site Representatives**
 - Are permitted to carry out duties, meet with DOE staff as agreed upon in Appendix 7 of Site-Specific Agreement**

- o Telephonic Communications**
 - Exchange of technical information only**
 - No authority to present official NRC or DOE positions**

IMPLEMENTATION OF VERTICAL SLICE APPROACH

- o Why Vertical Slices**
- o Development of Vertical Slice Process**
- o Aspects of Vertical Slice Reviews**
- o Vertical Slice Activities**
- o Examples of Current Vertical Slice Activities**
 - Kickoff meeting on Geochemistry Vertical Slice held as a follow-up session to another meeting**
 - Staff reviews of License Application Annotated Outline/Site Characterization Plan Progress Reports**
 - Visits by one or two NRC staff members to National Laboratories to review documents**
 - On-Site Representatives reviewing information at DOE offices in Las Vegas**
 - Continuation of ESF Bi-monthly Meetings (ongoing for several years)**
 - In-field verification of ESF Design Activities**

DOCUMENT REDUCTION EFFORT

- o Focus information on three types of documents**
 - SCP Progress Reports**
 - Annotated Outlines**
 - Four Specific Topical Reports**
 - Other documents referenced in these will be reviewed as needed.**

- o Helps manage review effort more efficiently.**

- o Increases integration of information in the program.**

- o Examples of integration**
 - Extreme erosion topical: Section 3.2.1.10**
 - Total System Performance Assessments: Section 6.0**
 - Multipurpose Canister Design: Section 5.2**
 - Quality Assurance: Section 10.0**

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HIGH-LEVEL WASTE LICENSING PROCESS

* * * * *

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Office of Nuclear Material Safety
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**July 12, 1995
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OVERVIEW OF THE HLW LICENSING PROCESS

- **Purpose of Overall Review Strategy (NUREG-1495)**
- **Prelicense Application Review**
- **License Application Review**
- **Openness Policy**
- **One Licensee**
- **Licensing Hearings**

PURPOSE OF OVERALL REVIEW STRATEGY (NUREG-1495)

- **Policy to guide the NRC staff in meeting program objectives**
- **Policy for:**
 - **Development of regulatory guidance**
 - **Pre-license application review**
 - **License application review**
- **Policies contribute to prioritizing and integrating program activities**

DEVELOPMENT OF REGULATORY GUIDANCE

- **Desire to have in-place before the license application is issued**
- **Format and Content For The License Application For The High-Level Waste Repository DG-3003 (FCRG) - November 1990**
 - **Principal guidance for the applicant**
 - **Refer to LARP for more guidance for the applicant**
- **License Application Review Plan for a Geologic Repository for Spent Nuclear Fuel and High-Level Radioactive Waste - NUREG-1323 (LARP)**
 - **Principal guidance for the NRC staff review**
 - **Audit Assessment Methods**

PRELICENSE APPLICATION REVIEW OBJECTIVES

- **Streamline license application reviews**
- **Support Commission's preliminary site characterization sufficiency comments (i.e., Complete license application) required by NWPA**
- **Identify concerns and provide guidance to DOE regarding a complete license application**
- **Identify concerns with potential adverse effects of DOE activities on waste isolation capability of the site**
- **Respond to DOE requests**

PRELICENSING EVALUATION REPORTS

- **Until now, the NRC staff has principally provided only objections, comments, or questions on most documents provided by DOE for NRC consideration.**
- **The NRC plans to start providing a prelicensing evaluation report in a review of the DOE annotated outline for their license application. Any reviews provided by the NRC staff are bound by the agreement on issue resolution during the prelicensing stage.**
- **The prelicensing evaluation reports will:**
 - **Document for DOE and any interested party the current views of the NRC.**
 - **Document the current NRC staff views for future generations of staff who may be called upon to review this long range project.**

LICENSE APPLICATION REVIEW OBJECTIVES

- **Support the Commission's construction authorization decision in accordance with 10 CFR Part 60 within the 3-Year statutory mandated time period**
- **Determine completeness and acceptability of compliance and document findings in a safety evaluation report within first 18 months of the 3-year time period.**
- **Defend the NRC staff safety evaluation report during the atomic safety and licensing board hearing (DOE defends the site and its technical work, NRC defends its safety evaluation and findings).**

LICENSE APPLICATION REVIEW STRATEGIES

- **DOE responsible for documenting a complete demonstration of compliance in its licensing application per 10 CFR Part 60 regardless of NRC staff review strategy.**
- **There are two distinct types of NRC licensing reviews:**
 - **Acceptance review (a.k.a., Docketing Review)**
 - **Compliance Reviews - A graduated series of reviews depending on the specific technical content of the material under review**
- **Although the NRC discusses review strategies and review types, from the applicant's perspective they receive a safety evaluation report from the NRC with findings. Any part of the NRC findings may become a contention in a hearing.**

ACCEPTANCE REVIEWS (TYPE 1)

- **Also known as a Docketing Review (Type 1 reviews in the LARP)**
- **A review to document the completeness of the License application for Docketing which is the point in time that the NRC will start the three year clock as required by NWPA.**
- **Considerably more than a simple check-off list.**
- **Although this is not a detailed technical review, the docketing review will verify that there is a reasonable amount of technical data to support assertions made by the applicant.**
- **The results of the pre-license application reviews contribute to the basis for the docketing decision.**
 - **Open item resolution records**
 - **Prelicensing evaluation reports of the annotated outline**

In order for the proposed 18 month technical review schedule to have any creditability, it is essential that issues be resolved to the extent practical in the prelicensing evaluation reports before the license application is submitted (examples: Substantially Complete Containment, Volcanism, Ground Water Travel Time, MPC, etc.).

COMPLIANCE REVIEWS

- **DOE is responsible for doing a complete review in all areas to justify the DOE position. This means that DOE will need to pursue all technical areas at the level of detail appropriate to the issue regardless of the type of NRC review conducted.**
- **The NRC staff will do an audit review of the license application.**
- **The NRC will verify with confidence the acceptability of DOE's compliance demonstrations.**
- **The NRC plans a graduated series of reviews (general reviews, safety reviews, detailed safety reviews).**
- **The level of safety review contemplated by the NRC staff will be documented in the LARP (NUREG-1323).**
- **The results of the prelicensing application reviews significantly contribute to the basis for the safety evaluation report. Resolution of the key technical disagreements is critical during prelicensing to achieve the 18 month review schedule.**

GENERAL REVIEWS (TYPE 2)

- **Reviews all general information required by 10 CFR Part 60.**
- **Essentially this review is complete when the docketing review is completed. (Type 2 review in the LARP.)**

SAFETY REVIEWS (TYPE 3)

- **This is the minimum basis for determining compliance with all information in the safety analysis report.**
- **Essentially this is an audit type review of the methods and techniques used by the licensee to demonstrate compliance.**

DETAILED SAFETY REVIEWS (TYPES 4&5)

- **The NRC staff has determined, using systematic regulatory analysis techniques, that a more detailed review effort is required in selected areas to gain confidence that a decision with reasonable assurance can be made.**
- **Priority given to Key Technical Uncertainties (see NUREG-1495 and NUREG-1323): These are areas where the defined uncertainties are most important in meeting the performance objectives of 10 CFR Part 60.**
- **For type 4 reviews, the NRC staff may perform independent modeling and analysis using standard techniques to gain confidence in the DOE application.**
- **For type 5 reviews, the NRC staff may perform independent modeling and independent research and model development to gain confidence in the DOE approach. In order for the 18 month review schedule to be credible, this independent model development and research must be completed during the prelicensing period.**

REVIEW PRODUCTS

- **The principal licensing review product will be a Safety Evaluation Report (SER) to support the NRC staff's conclusions. To produce the SER may require:**
 - **One or more requests for additional information (RFI).**
 - **A draft safety evaluation report with open items.**
 - **One or more management meetings to resolve disagreements.**
- **The SER also supports the NRC staff positions at any subsequent hearing.**
- **Part of the SER will be an evaluation of the performance confirmation program.**

REVIEW INTERACTIONS

- **Review process**
- **Appeal process**

LICENSEE INVOLVEMENT

- **From the NRC perspective, DOE is one licensee or applicant**
- **As discussed earlier, the NRC licensing process is conducted under an openness policy.**

SUMMARY

- o Unique program in licensing activities**
- o Confronted with many unique programs**
- o Licensing process program can apply to HLW**
- o Procedures will result in efficient licensing process**
- o Process is flexible**



*United States
Nuclear Regulatory Commission*

THE NRC HEARING PROCESS

Presented to:

Nuclear Waste Technical Review Board

By:

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July 12, 1995
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OVERVIEW OF STEPS IN NRC'S HEARING PROCESS

- O NOTICE OF DOCKETING AND NOTICE OF HEARING**
- O APPOINTMENT OF A PRESIDING OFFICER**
- O IDENTIFICATION OF PARTIES AND ISSUES**
- O PREHEARING CONFERENCES**
- O PREHEARING DISCOVERY**
- O PARTICIPATION OF A PARTY (OR NON-PARTY)**
- O PRESENTATION OF EVIDENCE AT THE HEARING**

OVERVIEW OF STEPS IN NRC'S HEARING PROCESS (Cont'd)

- O THE PRESIDING OFFICER'S INITIAL
DECISION**
- O APPEAL TO AND REVIEW BY THE
COMMISSION**

PRELIMINARY ITEMS

- O This is a summary of NRC's hearing process for a possible DOE license application for a geologic repository.**
 - Some NRC procedures are therefore not described in detail. (See 10 CFR Part 2, the Commission's regulations governing NRC hearings.)**

- O Special NRC procedures exist for the DOE application.**
 - Subpart J of 10 CFR Part 2 (including the Licensing Support System) covers DOE's application.**

PRELIMINARY ITEMS (Cont'd)

- **If the LSS is not in place, then NRC's generally applicable procedures (i.e., Subpart G of 10 CFR Part 2) apply.**
- O Subpart G procedures are similar to those described in this presentation.**
- **Subpart G includes prehearing document discovery which could be time-consuming and burdensome.**

LICENSING SUPPORT SYSTEM (LSS)

- O The LSS would provide electronic information management.**
 - It would provide for the entry of, and access to, potentially relevant licensing information as early as practicable, before submission of the DOE's license application.**
 - It would contain documentary material generated by the DOE, NRC and other parties who would have access to the system before the proceeding begins.**

NOTICE OF DOCKETING AND NOTICE OF HEARING

O Following receipt and docketing of DOE's license application, NRC will publish a Notice of Docketing in the Federal Register.

- It will state that a hearing is required prior to NRC's issuance of a construction authorization.**

O NRC will announce the hearing by publication of Notice of Hearing in the Federal Register.

- It will announce the time and place of the first prehearing conference.**
- It will describe how interested persons may participate, and get copies of DOE's license application, environmental impact statement, and other licensing documents.**

APPOINTMENT OF A PRESIDING OFFICER

- O The Commission may appoint a presiding officer.**
 - The presiding officer may be one or more members of the Commission, or an Atomic and Safety Licensing Board, or a named official.**
 - The presiding officer presides at the hearing and makes decisions on the license application.**
 - Historically, in reactor hearings, the Commission appointed one or more 3-person licensing boards to preside, consisting of the chairman, qualified to conduct administrative proceedings, and two members, each having technical or other qualifications appropriate to the issues in controversy.**

IDENTIFICATION OF PARTIES AND ISSUES

- O "Any person whose interest may be affected by the proceeding" and who desires to participate as a party must file a written petition for leave to intervene. The petition should include the following:**
 - the person's interest (with particular facts), how it may be affected by the Commission's licensing decision, and why intervention should be permitted;**
 - a list of contentions (and related, supporting information) to be litigated at the hearing.**
- O The persons permitted to intervene as parties, and the contentions at issue in the hearing, are determined based on the petition and any responses.**
- O Intervention is be permitted for an "affected unit of local government" as defined in the Nuclear Waste Policy Act.**

PREHEARING CONFERENCES

- O A prehearing conference is held to discuss hearing matters. These matters may include:**
 - identification of key issues in the proceeding;**
 - intervention petitions;**
 - determinations as to the parties and interested governmental participants; and**
 - a schedule for further actions including a schedule for pretrial discovery.**

- O One or more additional prehearing conferences may be held on other hearing matters such as:**
 - simplification, clarification and specification of issues;**

PREHEARING CONFERENCES (Cont'd)

- amendments to the pleadings;**
 - stipulations and admissions of facts and the contents and authenticity of documents;**
 - identification of witnesses, limitations on the number of expert witnesses, and other steps to expedite presentation of evidence;**
 - a hearing schedule; and**
 - other matters raised by the parties or the Board.**
- O After the conference, an order is issued.**
- A party may appeal a presiding officer's prehearing conference order to the Commission.**

PREHEARING DISCOVERY

- O Pretrial discovery is available to a party on any issue relevant to licensing.**
 - It must, however, relate to a claim or defense of the party seeking discovery or of another party.**
- O Discovery may be sought by any of the following methods:**
 - the oral deposition of any person,**
 - access to documentary material in the LSS and**
 - written interrogatories to a party.**

PARTICIPATION AS A PARTY (OR NON-PARTY)

- O A person who intervenes as a party shall have all the rights and responsibilities of the applicant (i.e., DOE) and the NRC staff. Included are rights to:**
 - participate fully in the hearing,**
 - present witnesses, and cross-examine witnesses of opposing parties, and**
 - file motions, and proposed findings and conclusions.**
- O A person not a party may, at the presiding officer's discretion, make a limited appearance at the hearing to present an oral or written statement.**
- O An interested State, county or municipality may participate in the hearing, introduce evidence, question witnesses, file papers, advise as to the decision and request review, without taking a position on an issue in the case.**

PRESENTATION OF EVIDENCE AT THE HEARING

- O The presiding officer is responsible for focusing the hearing on the matters in controversy, and conducting the hearing as expeditiously as possible consistent with development of an adequate record for decision.**
 - As the applicant, DOE has the burden of proof.**
 - Every party can present evidence and cross-examine witnesses, as may be required for full and true disclosure of the facts, subject to the presiding officer's authority to enforce appropriate limits to ensure the orderly conduct of the hearing.**
 - With the presiding officer's permission, a party may use a scientifically or technically trained person who is not an attorney to conduct the direct or cross-examination of an expert witness.**

PRESENTATION OF EVIDENCE AT THE HEARING (Cont'd)

- **The parties submit direct testimony in writing under oath. Expert testimony may be taken on a roundtable basis after submission of their written testimony.**
- **Documentary evidence may be offered in evidence.**
- **A party may object to the admission of any testimony or document. The presiding officer may admit the evidence, or may sustain the objection. In so ruling, the presiding officer is not bound strictly to the rules of evidence for judicial proceedings, but should exclude evidence irrelevant to issues in controversy.**

THE PRESIDING OFFICER'S INITIAL DECISION

- O After the hearing and the parties' filing of proposed findings of fact and conclusions of law, the presiding officer will issue the initial decision including findings, conclusions and rulings on all material issues of fact, law or discretion presented on the record.**

- O Generally speaking, the presiding officer must make the decision on the basis of the evidence in the record of the proceeding.**
 - The record includes the transcript of testimony and exhibits together with all papers and requests filed in the proceeding, and shall constitute the record for decision except to the extent official notice is taken.**

 - The presiding officer is expected to use expert knowledge and experience in evaluating and drawing conclusions from the evidence.**

THE PRESIDING OFFICER'S INITIAL DECISION (Cont'd)

- O In the decision, the presiding officer will --**
 - determine the matters in controversy,**
 - decide whether the findings required by the Atomic Energy Act and 10 CFR Part 60 of the Commission's regulations should be made, and**
 - determine whether, in accordance with the National Environmental Policy Act and 10 CFR Part 51, Subpart A, a construction authorization should be issued.**

APPEAL TO AND REVIEW BY THE COMMISSION

- O After the presiding officer's decision, the hearing record and decision are sent to the Commission for review.**
- O Any party may appeal the presiding officer's decision to the Commission, and other parties can respond.**
- O The Commission may allow the presiding officer's decision to become the final decision of the Commission, may modify the decision, or may send the case back to the presiding officer for additional testimony on particular points or for further consideration of particular issues.**
- O Pending review and final decision by the Commission, a presiding officer's decision resolving all issues in favor of issuance of a construction authorization will be immediately effective unless the decision or the Commission provides otherwise.**

UNITED STATES NUCLEAR REGULATORY COMMISSION

RULES and REGULATIONS

TITLE 10, CHAPTER 1, CODE OF FEDERAL REGULATIONS—ENERGY

**PART
2**

**RULES OF PRACTICE FOR DOMESTIC LICENSING PROCEEDINGS
AND ISSUANCE OF ORDERS**

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APPENDIX A—STATEMENT OF GENERAL POLICY AND PROCEDURE: CONDUCT OF PROCEEDINGS FOR THE ISSUANCE OF CONSTRUCTION PERMITS AND OPERATING LICENSES FOR PRODUCTION AND UTILIZATION FACILITIES FOR WHICH A HEARING IS REQUIRED UNDER SECTION 189a OF THE ATOMIC ENERGY ACT OF 1954, AS AMENDED

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APPENDIX C—GENERAL STATEMENT OF POLICY AND PROCEDURE FOR NRC ENFORCEMENT ACTIONS

Appendix D—Schedule for the Proceeding on Application for a License To Receive and Possess High-Level Radioactive Waste at a Geologic Repository Operations Area.

Authority: Secs. 161, 181, 68 Stat. 948, 953, as amended (42 U.S.C. 2201, 2231); sec. 191, as amended, Pub. L. 87-615, 76 Stat. 409 (42 U.S.C. 2241); sec. 201, 88 Stat. 1242, as amended (42 U.S.C. 5841); 5 U.S.C. 552.
Section 2.101 also issued under secs. 53, 62, 63, 81, 103, 104, 105, 68 Stat. 930, 932, 933, 935, 936, 937, 938, as amended (42 U.S.C. 2073, 2092, 2093, 2111, 2133, 2134, 2135); sec. 114(f), Pub. L. 97-425, 96 Stat. 2213, as amended (42 U.S.C. 10134(f)); sec. 102, Pub. L. 91-190, 83 Stat. 853, as amended (42 U.S.C. 4332); sec. 801, 68 Stat. 1248 (42 U.S.C. 5871). Sections 2.102, 2.103, 2.104, 2.105, 2.721 also issued under secs. 102, 103, 104, 105, 183, 189, 68 Stat. 936, 937, 938, 954, 955, as amended (42 U.S.C. 2132, 2133, 2134, 2135, 2233, 2239). Section 2.105 also issued under Pub. L. 97-415, 96 Stat. 2073 (42 U.S.C. 2239). Sections 2.200-2.206 also issued under secs. 161b, i, o, 182, 186, 234, 68 Stat. 948-951, 955, 83 Stat. 444, as amended (42 U.S.C. 2236, 2282); sec. 206, 88 Stat. 1246 (42 U.S.C. 5846). Sections 2.600-2.606 also issued under sec. 102, Pub. L. 91-190, 83 Stat. 853, as amended (42 U.S.C. 4332). Sections 2.700a, 2.719 also issued under 5 U.S.C. 554. Sections 2.754, 2.760, 2.770, 2.780 also issued under 5 U.S.C. 557. Section 2.764 and Table 1A of Appendix C also issued under secs. 135, 141, Pub. L. 97-425, 96 Stat. 2232, 2241 (42 U.S.C. 10155, 10161). Section 2.790 also issued under sec. 103, 68 Stat. 936, as amended (42 U.S.C. 2133) and 5 U.S.C. 553. Section 2.809 also issued under 5 U.S.C. 553 and sec. 29, Pub. L. 85-256, 71 Stat. 579, as amended (42 U.S.C. 2039). Subpart K also issued under sec. 189, 68 Stat. 955 (42 U.S.C. 2239); sec. 134, Pub. L. 97-425, 96 Stat. 2230 (42 U.S.C. 10154). Subpart L also issued under sec. 189, 68 Stat. 955 (42 U.S.C. 2239). Appendix A also issued under sec. 8, Pub. L. 91-560, 84 Stat. 1473 (42 U.S.C. 2135).

58 FR 44610

§ 2.1 Scope.

This part governs the conduct of all proceedings, other than export and import licensing proceedings described in part 110, under the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974, for—

- (a) Granting, suspending, revoking, amending, or taking other action with respect to any license, construction permit, or application to transfer a license;
(b) Issuing orders and demands for information to persons subject to the Commission's jurisdiction, including licensees and persons not licensed by the Commission;
(c) Imposing civil penalties under section 234 of the Act; and
(d) Public rulemaking.

56 FR 40864

§ 2.2 Subparts.

Each subpart other than Subpart G sets forth special rules applicable to the type of proceeding described in the first section of that subpart. Subpart G sets forth general rules applicable to all types of proceedings except rule making, and should be read in conjunction with the subpart governing a particular proceeding. Subpart I sets forth special procedures to be followed in proceedings in order to safeguard and prevent disclosure of Restricted Data.

27 FR 377

§ 2.3 Resolution of conflict.

In any conflict between a general rule in Subpart G of this part and a special rule in another subpart or other part of this chapter applicable to a particular type of proceeding, the special rule governs.

28 FR 10151

§ 2.4 Definitions.

As used in this part, "ACRS" means the Advisory Committee on Reactor Safeguards established by the Act.

"Act" means the Atomic Energy Act of 1954, as amended (88 Stat. 919).

"Adjudication" means the process for the formulation of an order for the final disposition of the whole or any part of any proceeding subject to this part, other than rule making.

"Administrative Law Judge" means an individual appointed pursuant to section 11 of the Administrative Procedure Act to conduct proceedings subject to this part.

"Commission" means the Commission of five members or a quorum thereof sitting as a body, as provided by section 201 of the Energy Reorganization Act of 1974 (88 Stat. 1242), or any officer to whom has been delegated authority pursuant to section 161n of the Act.

53 FR 10360

"Commission adjudicatory employee" means—

(1) The Commissioners and members of their personal staffs;

(2) The employees of the Office of Commission Appellate Adjudication;

(3) The members of the Atomic Safety and Licensing Board Panel and staff assistants to the Panel;

(4) A presiding officer appointed under § 2.704, including an administrative law judge, and staff assistants to a presiding officer;

(5) Special assistants (as defined in § 2.772);

(6) The General Counsel, the Solicitor, the Deputy General Counsel for Licensing and Regulation, and employees of the Office of the General Counsel under the supervision of the Solicitor or the Deputy General Counsel for Licensing and Regulation;

(7) The Secretary and employees of the Office of the Secretary; and

(8) Any other Commission officer or employee who is appointed by the Commission, the Secretary, or the General Counsel to participate or advise in the Commission's consideration of an initial or final decision in a proceeding. Any other Commission officer or employee who, as permitted by § 2.781, participates or advises in the Commission's consideration of an initial or final decision in a proceeding must be appointed as a Commission adjudicatory employee under this paragraph and the parties to the proceeding must be given written notice of the appointment.

"Contested proceeding" means

(1) a proceeding in which there is a controversy between the staff of the Commission and the applicant for a license concerning the issuance of the license or any of the terms or conditions thereof or (2) a proceeding in which a petition for leave to intervene in opposition to an application for a license has been granted or is pending before the Commission.

"Department" means the Department of Energy established by the Department of Energy Organization Act (Pub. L. 95-91, 91 Stat. 565 42 U.S.C. 7101 et seq.) to the extent that the Department, or its duly authorized representatives, exercises functions formerly vested in the U.S. Atomic

53 FR 10360

56 FR 29403

53 FR 10360

Energy Commission, its Chairman, members, officers and components and transferred to the U.S. Energy Research and Development Administration and to the Administrator thereof pursuant to sections 104 (b), (c) and (d) of the Energy Reorganization Act of 1974 (Pub. L. 93-438, 88 Stat. 1233 at 1237, 42 U.S.C. 5814) and retransferred to the Secretary of Energy pursuant to section 301(a) of the Department of Energy Organization Act (Pub. L. 95-91, 91 Stat. 565 at 577-578, 42 U.S.C. 7151).

"Electric utility" means any entity that generates or distributes electricity and which recovers the costs of this electricity, either directly or indirectly through rates established by the entity itself or by a separate regulatory authority. Investor-owned utilities including generation or distribution subsidiaries, public utility districts, municipalities, rural electric cooperatives, and State and Federal agencies, including associations of any of the foregoing, are included within the meaning of "electric utility."

"Ex parte communication" means an oral or written communication not on the public record with respect to which reasonable prior notice to all parties is not given.

"Facility" means a production facility or a utilization facility as defined in § 50.2 of this chapter.

"Investigative or litigating function" means —

(1) Personal participation in planning, conducting, or supervising an investigation; or

(2) Personal participation in planning, developing, or presenting, or in supervising the planning, development or presentation of testimony, argument or strategy in a proceeding.

"License" means a license, including a renewed license, or construction permit issued by the Commission.

"Licensee" means a person who is authorized to conduct activities under a license, including a renewed license, or construction permit issued by the Commission.

"NRC personnel" means.

(1) NRC employees;

(2) For the purpose of §§ 2.720, 2.740, and 2.1018 only, persons acting in the capacity of consultants to the Commission, regardless of the form of the contractual arrangements under which such persons act as consultants to the Commission; and

(3) Members of advisory boards, committees, and panels of the NRC; members of boards designated by the Commission to preside at adjudicatory proceedings; and officers or employees of Government agencies, including military personnel, assigned to duty at the NRC.

53 FR 10360

56 FR 34983

56 FR 7787

"NRC records and documents" means any book, paper, map, photograph, brochure, punch card, magnetic tape, paper tape, sound recording, pamphlet, slide, motion picture, or other documentary material regardless of form or characteristics, made by, in the possession of, or under the control of the NRC pursuant to Federal law or in connection with the transaction of public business as evidence of NRC organization, functions, policies, decisions, procedures, operations, programs or other activities. "NRC records and documents" do not include objects or articles such as structures, furniture, tangible exhibits or models, or vehicles and equipment.

"Person" means (1) any individual, corporation, partnership, firm, association, trust, estate, public or private institution, group, government agency other than the Commission or the Department, except that the Department shall be considered a person with respect to those facilities of the Department specified in section 202 of the Energy Reorganization Act of 1974 (88 Stat. 1244), any State or any political subdivision of, or any political entity within a State, any foreign government or nation or any political subdivision of any such government or nation, or other entity; and (2) any legal successor, representative, agent, or agency of the foregoing.

53 FR 10380

"Public Document Room" means the place at 2120 L Street NW., Washington, D.C., at which public records of the Commission will ordinarily be made available for inspection.

"Secretary" means the Secretary to the Commission.

Except as redefined in this section, words and phrases which are defined in the Act and in this chapter have the same meaning when used in this part.

§ 2.8 Information collection requirements: OMB approval.

(a) The Nuclear Regulatory Commission has submitted the information collection requirements contained in this part to the Office of Management and Budget (OMB) for approval as required by the Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq.) OMB has approved the information collection requirements contained in this part under control number 3150-0136.

(b) The approved information collection requirements contained in this part appear in appendix C.

53 FR 43419

53 FR 10380

58 FR 29403

58 FR 14308

Subpart A — Procedure for Issuance, Amendment, Transfer, or Renewal of a License

§ 2.100 Scope of subpart.

This subpart prescribes the procedures for issuance of a license; amendment of a license at the request of the licensee; and transfer and renewal of a license.

§ 2.101 Filing of application.

(a)(1) An application for a license or an amendment to a license shall be filed with the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as prescribed by the applicable provisions of this chapter. A prospective applicant may confer informally with the staff prior to the filing of an application.

(2) Each application for a license for a facility or for receipt of waste radioactive material from other persons for the purpose of commercial disposal by the waste disposal licensee will be assigned a docket number. However, to allow a determination as to whether an application for a construction permit or operating license for a production or utilization facility is complete and acceptable for docketing, it will be initially treated as a tendered application after it is received and a copy of the tendered application will be available for public inspection in the Commission's Public Document Room, 2120 L Street NW., Washington, D.C. Generally, that determination will be made within a period of thirty (30) days. However, in selected construction permit applications, the Commission may decide to determine acceptability on the basis of the technical adequacy of the application as well as its completeness. In such cases, the Commission, pursuant to § 2.104(a), will direct that the notice of hearing be issued as soon as practicable after the application has been tendered, and the determination of acceptability will generally be made within a period of sixty (60) days. For docketing and other requirements for applications pursuant to Part 61 of this chapter, see paragraph (g) of this section.

(3) If the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, determines that a tendered application for a construction permit or operating license for a production or utilization facility, and/or any environmental report required pursuant to Subpart A of Part 51 of this chapter, or part thereof as provided in paragraphs (a)(5) or (a-1) of this section are complete and acceptable for

27 FR 377

41 FR 15832

53 FR 43419

58 FR 988

The Department facilities specified in section 202 are:

(1) Demonstration Liquid Metal Fast Breeder reactors when operated as part of the power generation facilities of an electric utility system, or when operated in any other manner for the purpose of demonstrating the suitability for commercial application of such a reactor.

(2) Other demonstration nuclear reactors, except those in existence on January 19, 1975, when operated as part of the power generation facilities of an electric utility system, or when operated in any other manner for the purpose of demonstrating the suitability for commercial application of such a reactor.

(3) Facilities used primarily for the receipt and storage of high-level radioactive wastes resulting from licensed activities.

(4) Retrievable Surface Storage Facilities and other facilities authorized for the express purpose of subsequent long-term storage of high-level radioactive waste generated by the Administration, which are not used for, or are part of, research and development activities.

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docketing, a docket number will be assigned to the application or part thereof, and the applicant will be notified of the determination. With respect to the tendered application and/or environmental report or part thereof that is acceptable for docketing, the applicant will be requested to:

(i) Submit to the Director of Nuclear reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, such additional copies as the regulations in Part 50 and Subpart A of Part 51 require;

(ii) Serve a copy on the chief executive of the municipality in which the facility is to be located or, if the facility is not to be located within a municipality, on the chief executive of the county, and serve a notice of availability of the application or environmental report on the chief executives of the municipalities or counties which have been identified in the application or environmental report as the location of all or part of the alternative sites, containing the following information: Docket number of the application, a brief description of the proposed site and facility; the location of the site and facility as primarily proposed and alternatively listed; the name, address, and telephone number of the applicant's representative who may be contacted for further information; notification that a draft environmental impact statement will be issued by the Commission and will be made available upon request to the Commission; and notification that if a request is received from the appropriate chief executive, the applicant will transmit a copy of the application and environmental report, and any changes to such documents which affect the alternative site location, to the executive who makes the request. In complying with the requirements of this paragraph (a)(3)(ii) the applicant should not make public distribution of those parts of the application subject to § 2.790(d). The applicant shall submit to the Director of Nuclear Reactor Regulation an affidavit that service of the notice of availability of the application or environmental report has been completed along with a list of names and addresses of those executives upon whom the notice was served; and

(iii) Make direct distribution of additional copies to Federal, State, and local officials in accordance with the requirements of this chapter and written instructions furnished to the applicant by the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate. Such written instructions

will be furnished as soon as practicable after all or any part of the application, or environmental report, is tendered. The copies submitted to the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, and distributed by the applicant shall be completely assembled documents, identified by docket number. Subsequently distributed amendments to applications, however, may include revised pages to previous submittals and, in such cases, the recipients will be responsible for inserting the revised pages.

(4) The tendered application for a construction permit or operating license for a production or utilization facility will be formally docketed upon receipt by the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, of the required additional copies. Distribution of the additional copies shall be deemed to be complete as of the time the copies are deposited in the mail or with a carrier prepaid for delivery to the designated addresses. The date of docketing shall be the date when the required copies are received by the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate. Within ten (10) days after docketing the applicant shall submit to the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, an affidavit that distribution of the additional copies to Federal, State, and local officials has been completed in accordance with requirements of this chapter and written instructions furnished to the applicant by the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate. Amendments to the application and environmental report shall be filed and distributed and an affidavit shall be furnished to the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, in the same manner as for the initial application and environmental report. If it is determined that all or any part of the tendered application and/or environmental report is incomplete and therefore not acceptable for processing, the applicant will be informed of this determination, and the respects in which the document is deficient.

(5) An applicant for a construction permit for a production or utilization facility which is subject to § 51.20(b) of this chapter, and is of the type specified in §§ 50.21(b) (2) or (3) or 50.22 of this chapter or is a testing facility may submit the information required of applicants by Part 50 of the chapter in three parts. One part shall be accompanied by the information

required by § 50.30(f) of this chapter, another part shall include any information required by § 50.34(a) and, if applicable, § 50.34a of this chapter and a third part shall include any information required by § 50.33a. One part may precede or follow other parts by no longer than six (6) months except that the part including information required by § 50.33a shall be submitted in accordance with time periods specified in § 50.33a. If an applicant for a construction permit for a nuclear power reactor is exempted pursuant to § 50.33a of this chapter from filing the information described by § 50.33a of this chapter, such applicant shall file with the first part of its application an affidavit setting forth facts as to the electrical generating capacity of its system. If it is determined that any one of the parts as described above is incomplete and not acceptable for processing, the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, will inform the applicant of this determination and the respects in which the document is deficient. Such a determination of completeness will generally be made within a period of thirty (30) days. Except for the part including information required by § 50.33a, whichever part is filed first shall also include the fee required by §§ 50.30(e) and 170.21 of this chapter and the information required by §§ 50.33, 50.34((a)(1), and 50.37 of this chapter. The Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, will accept for docketing an application for a construction permit for a production or utilization facility which is subject to § 51.20(b) of this chapter, and is of the type specified in §§ 50.21(b) (2) or (3) or 50.22 of this chapter or is a testing facility where one part of the application as described above is complete and conforms to the requirements of Part 50 of this chapter. Additional parts will be docketed upon a determination by the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, that they are complete.

(a-1) *Early consideration of site suitability issues.* An applicant for a construction permit for a utilization facility which is subject to § 51.20(b) of this chapter and is of the type specified in §§ 50.21(b) (2) or (3) or 50.22 of this chapter or is a testing facility, may request that the Commission conduct an early review and hearing and render an early partial decision in accordance with Subpart F on issues of site suitability within the purview of the applicable provisions of Parts 50, 51 and

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100 of this chapter. In such cases, the applicant for the construction permit may submit the information required of applicants by the provisions of this chapter in three or (in the case of nuclear power reactors) four parts:

(1) Part one shall include or be accompanied by any information required by §§ 50.34(a)(1) and 50.30(f) of this chapter which relates to the issue(s) of site suitability for which an early review, hearing and partial decision are sought, except that information with respect to operation of the facility at the projected initial power level need not be supplied, and shall include the information required by §§ 50.33(a) through (e) and 50.37 of this chapter. The information submitted shall also include: (i) Proposed findings on the issues of site suitability on which the applicant has requested review and a statement of the bases or the reasons for those findings, (ii) a range of postulated facility design and operation parameters that is sufficient to enable the Commission to perform the requested review of site suitability issues under the applicable provisions of Parts 50, 51 and 100, and (iii) information concerning the applicant's site selection process and long-range plans for ultimate development of the site required by § 2.603(b)(1).

(2) Part two shall include or be accompanied by the remaining information required by §§ 50.30(f), 50.33 and 50.34(a)(1) of this chapter.

(3) Part three shall include the remaining information required by §§ 50.34(a) and (in the case of a nuclear power reactor) 50.34a of this chapter.

(4) The information required for part two or part three shall be submitted during the period the partial decision on part one is effective. Submittal of the information required for part three may precede by no more than six months or follow by no more than six months the submittal of the information required for part two.

(5) Part four, which is only required when the application is for a construction permit for a nuclear power reactor, shall include any information required by § 50.33a of this chapter and shall be filed in accordance with the time periods specified in § 50.33a.

(b) After the application has been docketed each applicant for a license for receipt of waste radioactive material from other persons for the purpose of commercial disposal by the waste disposal licensee except applicants under Part 61 of this chapter, who must comply with paragraph (g) of this section, shall serve a copy of the application and environmental report, as appropriate, on the chief executive of the municipality in which the activity is to be conducted or, if the activity is not

to be conducted within a municipality on the chief executive of the county, and serve a notice of availability of the application or environmental report on the chief executives of the municipalities or counties which have been identified in the application or environmental report as the location of all or part of the alternative sites, containing the following information: Docket number of the application; a brief description of the proposed site and facility; the location of the site and facility as primarily proposed and alternatively listed; the name, address, and telephone number of the applicant's representative who may be contacted for further information; notification that a draft environmental impact statement will be issued by the Commission and will be made available upon request to the Commission; and notification that if a request is received from the appropriate chief executive, the applicant will transmit a copy of the application and environmental report, and any changes to such documents which affect the alternative site location, to the executive who makes the request. In complying with the requirements of this paragraph (b) the applicant should not make public distribution of those parts of the application subject to § 2.790(d). The applicant shall submit to the Director of Nuclear Material Safety and Safeguards an affidavit that service of the notice of availability of the application or environmental report has been completed along with a list of names and addresses of those executives upon whom the notice was served.

(c) The notice published in the Federal Register announcing docketing of the antitrust information portion of an application for a facility construction permit under section 103 of the Act, except for those applications described in § 2.101(e) and § 2.102(d)(2), shall state that:

(1) The portion of the application filed contains the information requested by the Attorney General for the purpose of an antitrust review of the application as set forth in Appendix L to Part 50 of this chapter;

(2) Upon receipt and acceptance for docketing of the remaining portions of the application dealing with radiological health and safety and environmental matters, notice of receipt will be published in the FEDERAL REGISTER including an appropriate notice of hearing; and

(3) Any person who wishes to have his views on the antitrust matters of the application considered by the NRC and presented to the Attorney General for consideration should submit such views within sixty (60) days after publication of the notice announcing receipt and docketing of the antitrust information to the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Chief, Policy Development and Technical Support Branch.

(d) The Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, will give notice of the docketing of the public health and safety, common defense and security, and environmental parts of an application for a license for a facility or for receipt of waste radioactive material from other persons for the purpose of commercial disposal by the waste disposal licensee, except that for applications pursuant to Part 61 of this chapter paragraph (g) of this section applies. to the Governor or other appropriate official of the State in which the facility is to be located or the activity is to be conducted and will cause to be published in the Federal Register a notice of docketing of the application which states the purpose of the application and specifies the location at which the proposed activity would be conducted.

(e)(1) Upon receipt of the antitrust information responsive to Regulatory Guide 9.3 submitted in connection with an application for a facility operating license under section 103 of the Act, the Director of Nuclear Reactor Regulation or the Director of Nuclear Material Safety and Safeguards, as appropriate, shall publish in the Federal Register and in appropriate trade journals a "Notice of Receipt of Operating License Antitrust Information." The notice shall invite persons to submit, within thirty (30) days after publication of the notice, comments or information concerning the antitrust aspects of the application to assist the Director in determining, pursuant to section 105c of the Act, whether significant changes in the licensee's activities or proposed activities have occurred since the completion of the previous antitrust review in connection with the construction permit. The notice shall also state that persons who wish to have their views on the antitrust aspects of the application considered by the NRC and presented to the Attorney General for consideration should submit such views within thirty (30) days after publication of the notice to: U.S. Nuclear

¹ For a construction permit application in four parts, part four shall be filed second in time since it must precede both parts two and three by a period of from 9 months to 3 years.

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Regulatory Commission, Washington, D.C. 20555, Attention: Chief, Policy Development and Technical Support Branch.

(2) If the Director of Nuclear Reactor Regulation or the Director of Nuclear Material Safety and Safeguards, as appropriate, after reviewing any comments or information received in response to the published notice and any comments or information regarding the applicant received from the Attorney General, concludes that there have been no significant changes since the completion of the previous antitrust review in connection with the construction permit, a finding of no significant changes shall be published in the Federal Register, together with a notice stating that any request for reevaluation of such finding should be submitted within thirty (30) days of publication of the notice. If no requests for reevaluation are received within that time, the finding shall become the NRC's final determination. Requests for a reevaluation of the no significant changes determination may be accepted after the date when the Director's finding becomes final but before the issuance of the OL only if they contain new information, such as information about facts or events of antitrust significance that have occurred since that date, or information that could not reasonably have been submitted prior to that date.

(3) If, as a result of a reevaluation of the finding described in paragraph (e)(2) of this section, it is determined that there have been no significant changes, the Director of Nuclear Reactor Regulation or the Director of Nuclear Material Safety and Safeguards, as appropriate, shall deny the request and shall publish a notice of finding of no significant changes in the Federal Register. The notice and finding become the final NRC decision thirty (30) days after being made and only in the event that the Commission has not exercised sua sponte review.

(4) If the Director of Nuclear Reactor Regulation or the Director of Nuclear Material Safety and Safeguards, as appropriate, concludes that significant changes have occurred since the completion of the antitrust review in connection with the construction permit, then the provisions of § 2.102(d) apply.

(f)(1) Each application for a license to receive and possess high-level radioactive waste at a geologic repository operations area pursuant to Part 60 of this chapter and any environmental impact statement required in connection therewith pursuant to Subpart A of Part 51 of this chapter shall be processed in accordance with the provisions of this paragraph.

(2) To allow a determination as to whether the application is complete and acceptable for docketing, it will be initially treated as a tendered document, and a copy will be available for public inspection in the Commission's Public Document Room. Twenty copies shall be filed to enable this determination to be made.

(3) If the Director of Nuclear Material Safety and Safeguards determines that the tendered document is complete and acceptable for docketing, a docket number will be assigned and the applicant will be notified of the determination. If it is determined that all or any part of the tendered document is incomplete and therefore not acceptable for processing, the applicant will be informed of this determination and the respects in which the document is deficient.

(4) [Reserved]

(5) If a tendered document is acceptable for docketing, the applicant will be requested to (i) submit to the Director of Nuclear Material Safety and Safeguards such additional copies of the application and environmental impact statement as the regulations in Part 60 and Subpart A of Part 51 of this chapter require, (ii) serve a copy of such application and environmental impact statement on the chief executive of the municipality in which the geologic repository operations area is to be located, or if the geologic repository operations area is not to be located within a municipality, on the chief executive of the county (or to the Tribal organization, if it is to be located within an Indian reservation), and (iii) make direct distribution of additional copies to Federal, State, Indian Tribe, and local officials in accordance with the requirements of this chapter and written instructions from the Director of Nuclear Material Safety and Safeguards. All such copies shall be completely

assembled documents, identified by docket number. Subsequently distributed amendments to the application, however, may include revised pages to previous submittals and, in such cases, the recipients will be responsible for inserting the revised pages.

(6) The tendered document will be formally docketed upon receipt by the Director of Nuclear Material Safety and Safeguards of the required additional copies. The date of docketing shall be the date when the required copies are received by the Director of Nuclear Material Safety and Safeguards. Within ten (10) days after docketing, the applicant shall submit to the Director of Nuclear Material Safety and Safeguards a written statement that distribution of the additional copies to Federal, State, Indian Tribe, and local officials has been completed in accordance with requirements of this chapter and written instructions furnished to the applicant by the Director of Nuclear Material Safety and Safeguards. Distribution of the additional copies shall be deemed to be complete as of the time the copies are deposited in the mail or with a carrier prepaid for delivery to the designated addressees.

(7) Amendments to the application and supplements to the environmental impact statement shall be filed and distributed and a written statement shall be furnished to the Director of Nuclear Material Safety and Safeguards in the same manner as for the initial application and environmental impact statement.

(8) The Director of Nuclear Material Safety and Safeguards will cause to be published in the Federal Register a notice of docketing which identifies the State and location at which the proposed geologic repository operations area would be located and will give notice of docketing to the governor of that State. The notice of docketing will state that the Commission finds that a hearing is required in the public interest, prior to issuance of a construction authorization, and will recite the matters specified in § 2.104(a) of this part.

47 FR 57446
 (g) Each application for a license to receive radioactive waste from other persons for disposal under Part 61 of this chapter and the accompanying environmental report shall be processed in accordance with the provisions of this paragraph.

53 FR 43419
 (1) To allow a determination as to whether the application or environmental report is complete and acceptable for docketing, it will be initially treated as a tendered document, and a copy will be available for public inspection in the Commission's Public Document Room 2120 L Street NW., Washington, D.C. One original and two copies shall be filed to enable this determination to be made.

47 FR 57446
 (i) Upon receipt of a tendered application, the Commission will publish in the Federal Register notice of the filed application and will notify the governors, legislatures and other appropriate State, county, and municipal officials and tribal governing bodies of the States and areas containing or potentially affected by the activities at the proposed site and the alternative sites. The Commission will inform these officials that the Commission staff will be available for consultation pursuant to § 61.71 of this chapter. The Federal Register notice will note the opportunity for interested persons to submit views and comments on the tendered application for consideration by the Commission and applicant. The Commission will also notify the U.S. Bureau of Indian Affairs when tribal governing bodies are notified.

(ii) The Commission will also post a public notice in a newspaper or newspapers of general circulation in the affected States and areas summarizing information contained in the applicant's tendered application and noting the opportunity to submit views and comments.

(iii) When the Director of Nuclear Material Safety and Safeguards determines that the tendered document is complete and acceptable for docketing, a docket number will be assigned and the applicant will be notified of the determination. If it is determined that all or any part of the tendered document is incomplete and therefore not acceptable for processing, the applicant will be informed of this determination and the aspects in which the document is deficient.

49 FR 9352
 (2) With respect to any tendered document that is acceptable for docketing, the applicant will be requested to (i) submit to the Director of Nuclear Material Safety and Safeguards such additional copies as the regulations in Part 61 and Subpart A of Part 51 of this chapter require, (ii) serve a copy on

the chief executive of the municipality in which the waste is to be disposed of or, if the waste is not to be disposed of within a municipality, serve a copy on the chief executive of the county in which the waste is to be disposed of.

49 FR 9352
 (iii) make direct distribution of additional copies to Federal State, Indian Tribe, and local officials in accordance with the requirements of this chapter and written instructions from the Director of Nuclear Material Safety and Safeguards, and (iv) serve a notice of availability of the application and environmental report on the chief executives or governing bodies of the municipalities or counties which have been identified in the application and environmental report as the location of all or part of the alternative sites if copies are not distributed under paragraph (g)(2)(iii) of this section to the executives or bodies. All distributed copies shall be completely assembled documents identified by docket number. Subsequently distributed amendments, however, may include revised pages to previous submittals and, in such cases, the recipients will be responsible for inserting the revised pages. In complying with the requirements of paragraph (g) of this section the applicant shall not make public distribution of those parts of the application subject to § 2.790(d).

47 FR 57446
 (3) The tendered document will be formally docketed upon receipt by the Director of Nuclear Material Safety and Safeguards of the required additional copies. Distribution of the additional copies shall be deemed to be complete as of the time the copies are deposited in the mail or with a carrier prepaid for delivery to the designated addressees. The date of docketing shall be the date when the required copies are received by the Director of Nuclear Material Safety and Safeguards. Within ten (10) days after docketing, the applicant shall submit to the Director of Nuclear Material Safety and Safeguards a written statement that distribution of the additional copies to Federal, State, Indian Tribe, and local officials has been completed in accordance with requirements of this section and written instructions furnished to the applicant by the Director of Nuclear Material Safety and Safeguards.

(4) Amendments to the application and environmental report shall be filed and distributed and a written statement shall be furnished to the Director of Nuclear Material Safety and Safeguards in the same manner as for the initial application and environmental report.

(5) The Director of Nuclear Material Safety and Safeguards will cause to be published in the Federal Register a notice of docketing which identifies the State and location of the proposed waste disposal facility and will give notice of docketing to the governor of

47 FR 57446
 that State and other officials listed in paragraph (g)(3) of this section and, in a reasonable period thereafter, publish in the Federal Register a notice pursuant to § 2.105 offering opportunity to request a hearing to the applicant and other affected persons.

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§ 2.102 Administrative review of application.

(a) During review of an application by the staff, an applicant may be required to supply additional information. The staff may request any one party to the proceeding to confer with the staff informally. In the case of a docketed application for a construction permit or an operating license for a facility, the staff shall establish a schedule for its review of the application, specifying the key intermediate steps from the time of docketing until the completion of its review.

(b) The Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, will refer the docketed application to the ACRS as required by law and in such additional cases as he or the Commission may determine to be appropriate. The ACRS will render to the Commission one or more reports as required by law or as requested by the Commission.

(c) The Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, will make each report of the ACRS a part of the record of the docketed application, and transmit copies to the appropriate State and local officials.

(d)(1) Except as provided in paragraph (d)(2) of this section, the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, will refer and transmit a copy of each docketed application for a construction permit or an operating license for a utilization or production facility under section 103 of the Act to the Attorney General as required by section 105c of the Act.

(2) The requirements of paragraph (d)(1) of this section do not apply to an application for an operating license for a production or utilization facility under section 103 of the Act for which the construction permit was also issued under section 103, unless the Director of Nuclear Reactor Regulation or the Director of Nuclear Material Safety and Safeguards, as appropriate, determines, after consultation with the Attorney General and in accordance with § 2.101(e), that such review is advisable on the ground that significant changes in the licensee's activities or proposed activities have occurred subsequent to the previous review of the Attorney General and the Commission under section 105c of the Act in connection with the construction permit.

(3) The Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, will cause the Attorney General's advice received pursuant to paragraph (d)(1) to be published in the FEDERAL REGISTER promptly upon receipt, and will make such advice a part of the record in any proceeding on antitrust matters conducted in accordance with subsection 105c(5) and section 189a of the Act. The Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, will also cause to be published in the FEDERAL REGISTER a notice that the Attorney General has not rendered any such advice. Any notice published in the FEDERAL REGISTER pursuant to this subparagraph will also include a notice of hearing, if appropriate, or will state that any person whose interest may be affected by the proceeding may, pursuant to and in accordance with § 2.714, file a petition for leave to intervene and request a hearing on the antitrust aspects of the application. The notice will state that petitions for leave to intervene and requests for hearing shall be filed within 30 days after publication of the notice.

§ 2.103 Action on applications for byproduct, source, special nuclear material, and operator licenses.

(a) If the Director of Nuclear Reactor Regulation or the Director of Nuclear Material Safety and Safeguards, as appropriate, finds that an application for a byproduct, source, special nuclear material, or operator license complies with the requirements of the Act, the Energy Reorganization Act, and this chapter, he will issue a license. If the license is for a facility, or for receipt of waste radioactive material from other persons for the purpose of commercial disposal by the waste disposal licensee, or if it is to receive and possess high-level radioactive waste at a geologic repository operations area pursuant to Part 60 of this chapter, the Director of Nuclear Reactor Regulation or the Director of Nuclear Material Safety and Safeguards, as appropriate, will inform the State, tribal and local officials specified in § 2.104(e) of the issuance of the license. For notice of issuance requirements for licenses issued pursuant to Part 61 of this chapter, see § 2.106(d) of this part.

(b) If the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, finds that an application does not comply with the requirements of the Act and this chapter he may issue a notice of proposed denial or a notice of denial of the application and inform the applicant in writing of:

(1) The nature of any deficiencies or the reason for the proposed denial or the denial, and

(2) The right of the applicant to demand a hearing within twenty (20) days from the date of the notice or such longer period as may be specified in the notice.

HEARING ON APPLICATION—HOW INITIATED**§ 2.104 Notice of hearing.**

(a) In the case of an application on which a hearing is required by the Act or this chapter, or in which the Commission finds that a hearing is required in the public interest, the Secretary will issue a notice of hearing to be published in the FEDERAL REGISTER as required by law at least fifteen (15) days, and in the case of an application concerning a construction permit for a facility of the type described in § 50.21(b) or § 50.22 of this chapter or a testing facility, at least thirty (30) days, prior to the date set for hearing in the notice.

In addition, in the case of an application for a construction permit for a facility of the type described in § 50.22 of this chapter, or a testing facility, the notice (other than a notice pursuant to paragraph (d) of this section) shall be issued as soon as practicable after the application has been docketed: *Provided*, That if the Commission, pursuant to § 2.101(a)(2), decides to determine the acceptability of the application on the basis of its technical adequacy as well as completeness, the notice shall be issued as soon as practicable after the application has been tendered.

If the notice of hearing concerning an application for a construction permit for a facility of the type described in § 50.21(b) or § 50.22 of this chapter or a testing facility does not specify the time and place of initial hearing, a subsequent notice will be published in the FEDERAL REGISTER which will provide at least thirty (30) days notice of the time and place of that hearing. After this notice is given the presiding officer may reschedule the commencement of the initial hearing for a later date or reconvene a recessed hearing without again providing thirty (30) days notice.

The notice will state:

(1) The time, place, and nature of the hearing and/or prehearing conference, if any;

(2) The authority under which the hearing is to be held;

(3) The matters of fact and law to be considered; and

(4) The time within which answers to the notice shall be filed.

(b) In the case of an application for a construction permit for a facility on which the Act requires a hearing, the notice of hearing will, except as provided in paragraph (d) of this section and unless the Commission determines otherwise, state, in implementation of paragraph (a)(3) of this section:

(1) That, if the proceeding is a contested proceeding, the presiding officer will consider the following issues:

(i) Whether in accordance with the provisions of § 50.35(a) of this chapter:

(a) The applicant has described the proposed design of the facility, including, but not limited to, the principal architectural and engineering criteria for the design, and has identified the major features or components incorporated therein for the protection of the health and safety of the public;

(b) Such further technical or design information as may be required to complete the safety analysis, and which can reasonably be left for later consideration will be supplied in the final safety analysis report;

(c) Safety features or components, if any, which require research and development, have been described by the applicant and the applicant has identified, and there will be conducted, a research and development program reasonably designed to resolve any safety questions associated with such features or components; and

(d) On the basis of the foregoing, there is reasonable assurance that (1) such safety questions will be satisfactorily resolved at or before the latest date stated in the application for completion of the proposed facility; and (2) taking into consideration the site criteria contained in Part 100 of this chapter, the proposed facility can be constructed and operated at the proposed location without undue risk to the health and safety of the public;

(ii) Whether the applicant is technically qualified to design and construct the proposed facility;

(iii) Whether the applicant is financially qualified to design and construct the proposed facility;

(iv) Whether the issuance of a permit for the construction of the facility will be inimical to the common defense and security or to the health and safety of the public;

(v) If the application is for a construction permit for a nuclear power reactor, a testing facility, a fuel reprocessing plant, or other facility whose construction or operation has been determined by the Commission to have a significant impact on the environment, whether, in accordance with the requirements of Subpart A of Part 51 of this chapter, the construction permit should be issued as proposed.

(2) That, if the proceeding is not a contested proceeding, the presiding officer will determine:

(i) Without conducting a de novo evaluation of the application, whether the application and the record of the proceeding contain sufficient information, and the review of the application by the Commission's staff has been adequate to support affirmative findings on (b)(1) (i) through (iii) specified in this section and a negative finding on (b)(1)(iv) specified in this section proposed to be made and the issuance of the construction permit proposed by the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, and

(ii) If the application is for a construction permit for a nuclear power reactor, a testing facility, a fuel reprocessing plant, a uranium enrichment facility, or other facility whose construction or operation has been determined by the Commission to have a significant impact on the environment, whether the review conducted by the Commission pursuant to the National Environmental Policy Act (NEPA) has been adequate.

(3) That, regardless of whether the proceeding is contested or uncontested, the presiding officer will, in accordance with Subpart A of Part 51 of this chapter:

(i) Determine whether the requirements of section 102(2) (A), (C) and (E) of the National Environmental Policy Act and Subpart A of Part 51 of this chapter have been complied with in the proceeding;

(ii) Independently consider the final balance among conflicting factors contained in the record of the proceeding with a view to determining the appropriate action to be taken; and

(iii) Determine whether the construction permit should be issued, denied, or appropriately conditioned to protect environmental values.

(c) In the case of an application for an operating license in which a hearing will be held, the notice of hearing will, except as provided in paragraph (d) of this section and unless the Commission determines otherwise, state, in implementation of paragraph (a)(3) of this section, that the presiding officer will consider any matters in controversy among the parties and may, where he or she determines that a serious safety, environmental, or common defense and security matter has not been raised by the parties, consider such other matter within the purview of:

(1) Whether there is reasonable assurance that construction of the facility will be substantially completed on a timely basis, in conformity with the construction permit and the application as amended, the provisions of the Act, and the regulations in this chapter;

(2) Whether the facility will comply in conformity with the application as amended, the provisions of the Act, and the regulations in this chapter;

(3) Whether there is reasonable assurance: (i) That the activities to be authorized by the operating license can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the regulations in this chapter.

*Issues (i) to (iv) are the issues pursuant to the Atomic Energy Act of 1954, as amended. Issue (v) is the issue pursuant to the National Environmental Policy Act of 1969.

49 FR 5083
47 FR 1797
46 FR 55083

(4) Whether the applicant is technically and financially qualified to engage in the activities to be authorized by the operating license in accordance with the regulations in this chapter, except that the issue of financial qualification shall not be considered by the presiding officer in an operating license hearing if the applicant is an electric utility seeking a license to operate a utilization facility of the type described in § 50.21(b) of § 50.22;

37 FR 15127

(5) Whether the applicable provisions of Part 140 of this chapter have been satisfied;

(6) Whether issuance of the license will be inimical to the common defense and security or to the health and safety of the public; and

49 FR 932

(7) If the application is for an operating license for a nuclear power reactor, a testing facility, or a fuel reprocessing plant, or other facility whose operation has been determined by the Commission to have a significant impact on the environment, whether, in accordance with the requirements of Subpart A of Part 51 of this chapter, the operating license should be issued as proposed.³

46 FR 55083

(d) In an application for a construction permit or an operating license for a facility on which a hearing is required by the Act or this chapter, or in which the Commission finds that a hearing is required in the public interest to consider the antitrust aspects of the application, the notice of hearing will, unless the Commission determines otherwise, state:

(1) A time of the hearing, which will be as soon as practicable after the receipt of the Attorney General's advice and compliance with sections 105 and 189a of the Act and this part;⁴

(2) The presiding officer for the hearing who shall be either an administrative law judge or an atomic safety and licensing board established by the

³Issues (1) to (6) are the issues pursuant to the Atomic Energy Act of 1954, as amended. Issue (7) is the issue pursuant to the National Environmental Policy Act of 1969.

⁴As permitted by subsection 105c of the Act, with respect to proceedings in which an application for a construction permit was filed prior to December 19, 1970, and proceedings in which a written request for antitrust review of an application for an operating license to be issued under section 104b has been made by a person who intervened or sought by timely written notice to the Commission to intervene in the construction permit proceeding for the facility to obtain a determination of antitrust considerations or to advance a jurisdictional basis for such determination within 25 days after the date of publication in the FEDERAL REGISTER or notice of filing of the application for an operating license or December 19, 1970, whichever is later, the Commission may issue a construction permit or operating license which contains the conditions specified in § 50.55b of this chapter before the antitrust aspects of the application are finally resolved.

Commission or by the Chief Administrative Judge of the Atomic Safety and Licensing Board Panel;

(3) That the presiding officer will consider and decide whether the activities under the proposed license would create or maintain a situation inconsistent with the antitrust laws described in section 105a of the Act; and

47 FR 1797

(4) That matters of radiological health and safety and common defense and security, and matters raised under the National Environmental Policy Act of 1969, will be considered at another hearing if otherwise required or ordered to be held, for which a notice will be published pursuant to paragraphs (a) and (b) of this section, unless otherwise authorized by the Commission.

53 FR 31651

(e) The Secretary will give timely notice of the hearing to all parties and to other persons, if any, entitled by law to notice. The Secretary will transmit a notice of hearing on an application for a license for a production or utilization facility, for a license for receipt of waste radioactive material from other persons for the purpose of commercial disposal by the waste disposal licensee, for a license under Part 61 of this chapter, for a license to receive and possess high-level radioactive waste at a geologic repository operations area pursuant to Part 60 of this chapter, and for a license under Part 72 of this chapter to acquire, receive or possess spent fuel for the purpose of storage in an independent spent fuel storage installation (ISFSI) to the governor or other appropriate official of the State and to the chief executive of the municipality in which the facility is to be located or the activity is to be conducted or, if the facility is not to be located or the activity conducted within a municipality, to the chief executive of the county (or to the Tribal organization, if it is to be so located or conducted within an Indian reservation). The Secretary will transmit a notice of hearing on an application for a license under Part 72 of this chapter to acquire, receive or possess spent fuel, high-level radioactive waste or radioactive material associated with high-level radioactive waste for the purpose of storage in a monitored retrievable storage installation (MRS) to the same persons who received the notice of docketing under § 72.16(e) of this chapter.

§ 2.105 Notice of proposed action.

(a) If a hearing is not required by the Act or this chapter, and if the Commission has not found that a hearing is in the public interest, it will, prior to acting thereon, cause to be published in the FEDERAL REGISTER a notice of proposed action with respect to an application for:

(1) A license for a facility;

(2) A license for receipt of waste radioactive material from other persons for the purpose of commercial disposal by the waste disposal licensee. All licenses issued under Part 61 of this chapter shall be so noticed.

38 FR 9585

(3) An amendment of a license specified in paragraph (a) (1) or (2) of this section and which involves a significant hazards consideration;

51 FR 744

(4) An amendment to an operating license for a facility licensed under § 50.21(b) or § 50.22 of this chapter or for a testing facility, as follows:

(i) If the Commission determines under § 50.58 of this chapter that the amendment involves no significant hazards consideration, though it will provide notice of opportunity for a hearing pursuant to this section, it may make the amendment immediately effective and grant a hearing thereafter; or

(ii) If the Commission determines under § 50.58 and § 50.91 of this chapter that an emergency situation exists or that exigent circumstances exist and that the amendment involves no significant hazards consideration, it will provide notice of opportunity for a hearing pursuant to § 2.106 (if a hearing is requested, it will be held after issuance of the amendment);

(5) A license to receive and possess high-level radioactive waste at a geologic repository operations area pursuant to Part 60 of this chapter;

51 FR 744

(6) An amendment to a license specified in paragraph (a)(5) of this section, or an amendment to a construction authorization granted in proceedings on an application for such a license, when such an amendment would authorize actions which may significantly affect the health and safety of the public;

53 FR 31651

(7) A license under Part 72 of this chapter to acquire, receive or possess spent fuel for the purpose of storage in an independent spent fuel storage installation (ISFSI) or to acquire, receive or possess spent fuel, high-level radioactive waste or radioactive material associated with high-level radioactive waste for the purpose of storage in a monitored retrievable storage installation (MRS);

(8) An amendment to a license specified in paragraph (a)(7) of this section when such an amendment presents a genuine issue as to whether the health and safety of the public will be significantly affected; or

(9) Any other license or amendment as to which the Commission determines that an opportunity for a public hearing should be afforded.

(10) In the case of an application for an operating license for a facility of a

type described in § 50.21(b) or § 50.22 of this chapter or a testing facility, a notice of opportunity for hearing shall be issued as soon as practicable after the application has been docketed.

(11) In the case of an application for a license to receive and possess high-level radioactive waste at a geologic repository operations area, a notice of opportunity for hearing, as required by this paragraph, shall be published prior to Commission action authorizing receipt of such wastes; this requirement is in addition to the procedures set out in § 2.101(f)(8) and § 2.104 of this part, which provide for a hearing on the application prior to issuance of a construction authorization.

(b) The notice of proposed action will set forth:

(1) The nature of the action proposed;

(2) The manner in which a copy of the safety analysis and of the ACRS report, if any, may be obtained or examined.

(c) If an application for a license is complete enough to permit all evaluations, other than completion inspection, necessary for the issuance of a construction permit and operating license, the notice of proposed issuance of a construction permit may provide that on completion of construction and inspection the operating license will be issued without further prior notice.

(d) The notice of proposed action will provide that, within thirty (30) days from the date of publication of the notice in the FEDERAL REGISTER, or such lesser period authorized by law as the Commission may specify:

(1) The applicant may file a request for a hearing; and

(2) Any person whose interest may be affected by the proceeding may file a request for a hearing or a petition for leave to intervene if a hearing has already been requested.

(e)(1) If no request for a hearing or petition for leave to intervene is filed within the time prescribed in the notice, the Director of Nuclear Reactor Regulation or the Director of Nuclear Material Safety and Safeguards, as appropriate, may take the proposed action, inform the appropriate State and local officials, and publish in the FEDERAL REGISTER a notice of issuance of the license or other action.

(2) If a request for a hearing or a petition for leave to intervene is filed within the time prescribed in the notice, the presiding officer who shall be an Atomic Safety and Licensing Board established by the Commission or by the Chief Administrative Judge of the Atomic Safety and Licensing Board Panel, will rule on the request and/or petition, and the Secretary or the presiding officer will issue a notice of hearing or an appropriate order. The presiding officer designated to rule on a request or petition concerning the antitrust aspects of an application may be either an Administrative Law Judge or an Atomic Safety and Licensing Board.

(f) Applications for facility licenses under section 103 of the Act and for facility operating licenses under section 104b of the Act as to which any person intervened or sought by timely written notice to the Commission to intervene in the construction permit proceeding to obtain a determination of antitrust considerations or to advance a jurisdictional basis for such determination are also subject to the provisions of §§ 2.101(b) and 2.102(d).

§ 2.106 Notice of issuance.

(a) The Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, will cause to be published in the FEDERAL REGISTER notice of, and will inform the State and local officials specified in § 2.104(e) of the issuance of:

(1) A license or an amendment of a license for which a notice of proposed action has been previously published; and

(2) An amendment of a license for a facility of the type described in § 50.21(b) or § 50.22 of this chapter, or a testing facility, whether or not a notice of proposed action has been previously published.

(b) The notice of issuance will set forth:

(1) The nature of the license or amendment;

(2) The manner in which copies of the safety analysis, if any, may be obtained and examined; and

(3) A finding that the application for the license or amendment complies with the requirements of the Act and this chapter.

(c) The Director of Nuclear Material Safety and Safeguards will also cause to be published in the FEDERAL REGISTER notice of, and will inform the State, local, and Tribal officials specified in § 2.104(e) of any action with respect to, an application for a license to receive and possess high-level radioactive waste at a geologic repository operations area pursuant to Part 60 of this chapter, or for the amendment to such license for which a notice of proposed action has been previously published.

(d) The Director of Nuclear Material Safety and Safeguards will also cause to be published in the Federal Register notice of, and will inform the State and local officials or tribal governing body specified in § 2.104(e) of any licensing action with respect to a license to receive radioactive waste from other persons for disposal under Part 61 of this chapter or the amendment of such a license for which a notice of proposed action has been previously published.

§ 2.107 Withdrawal of application.

(a) The Commission may permit an applicant to withdraw an application prior to the issuance of a notice of hearing on such terms and conditions as it may prescribe, or may, on receiving a request for withdrawal of an application, deny the application or dismiss it with prejudice. Withdrawal of an application after the issuance of a notice of hearing shall be on such terms as the presiding officer may prescribe.

(b) The withdrawal of an application does not authorize the removal of any document from the files of the Commission.

(c) The Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, will cause to be published in the FEDERAL REGISTER a notice of the withdrawal of an application if notice of receipt of the application has been previously published.

53 FR 31651
38 FR 10151
28 FR 10151
36 FR 4686
27 FR 377
37 FR 15127
51 FR 7744
46 FR 55083

46 FR 55083
35 FR 19655
38 FR 9585
37 FR 15127

46 FR 13971
47 FR 57446
28 FR 10151
27 FR 377

§ 2.108 Denial of application for failure to supply information.

(a) The Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, may deny an application if an applicant fails to respond to a request for additional information within thirty (30) days from the date of the request, or within such other time as may be specified.

(b) The Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, will cause to be published in the FEDERAL REGISTER a notice of denial when notice of receipt of the application has previously been published, but no notice of hearing has yet been published. The notice of denial will provide that, within thirty (30) days after the date of publication in the FEDERAL REGISTER (1) the applicant may demand a hearing, and (2) any person whose interest may be affected by the proceeding may file a petition for leave to intervene.

(c) When both a notice of receipt of the application and a notice of hearing have been published, the presiding officer, upon a motion made by the staff pursuant to § 2.730, will rule whether an application should be denied by the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, pursuant to paragraph (a).

§ 2.109 Effect of timely renewal application.

(a) Except for the renewal of an operating license for a nuclear power plant under 10 CFR 50.21(b) or 50.22, if, at least 30 days prior to the expiration of an existing license authorizing any activity of a continuing nature, the licensee files an application for a renewal or for a new license for the activity so authorized, the existing license will not be deemed to have expired until the application has been finally determined.

(b) If the licensee of a nuclear power plant licensed under 10 CFR 50.21(b) or 50.22 files a sufficient application for renewal of an operating license at least 5 years prior to the expiration of the existing license, the existing license will not be deemed to have expired until the application has been finally determined.

§ 2.110 Filing and administrative action on submittals for design review or early review of site suitability issues.

(a)(1) A submittal pursuant to Appendix O of Part 52 of this chapter shall be subject to §§ 2.101(a) and 2.790 to the same extent as if it were an application for a permit or license.

(2) Except as specifically provided otherwise by the provisions of Appendix Q to Part 52 of this chapter, a submittal pursuant to Appendix Q shall be subject to § 2.101(a) (2) through (4) to the same extent as if it were an application for a permit or license.

(b) Upon initiation of review by the staff of a submittal of a type described in paragraph (a)(1) of this section, the Director of Nuclear Reactor Regulation shall publish in the FEDERAL REGISTER a notice of receipt of the submittal, inviting comments from interested persons within 60 days of publication or such other time as may be specified, for consideration by the staff and ACRS in their review.

(c) Upon completion of review by the staff and the ACRS of a submittal of the type described in paragraph (a)(1) of this section, the Director of Nuclear Reactor Regulation shall publish in the FEDERAL REGISTER a determination as to whether or not the design is acceptable, subject to such conditions as may be appropriate, and place in the Public Document Room an analysis of the design in the form of a report.

§ 2.111 Prohibition of sex discrimination.

No person shall on the ground of sex be excluded from participation in, be denied a license under, be denied the benefits of, or be subjected to discrimination under any program or activity carried on or receiving Federal assistance under the Act or the Energy Reorganization Act of 1974.

Subpart B—Procedure for Imposing Requirements by Order, or for Modification, Suspension, or Revocation of a License, or for Imposing Civil Penalties

§ 2.200 Scope of subpart.

(a) This subpart prescribes the procedure in cases initiated by the staff, or upon a request by any person, to impose requirements by order, or to modify, suspend, or revoke a license, or to take other action as may be proper, against any person subject to the jurisdiction of the Commission.

(b) This subpart also prescribes the procedures in cases initiated by the staff to impose civil penalties pursuant to section 234 of the Act and section 206 of the Energy Reorganization Act of 1974.

§ 2.201 Notice of violation.

(a) In response to an alleged violation of any provision of the Act or this chapter or the conditions of a license or an order issued by the Commission, the Commission may serve on the licensee or other person subject to the jurisdiction of the Commission a written notice of violation; a separate notice may be omitted if an order pursuant to § 2.202 or demand for information pursuant to § 2.204 is issued that otherwise identifies the apparent violation. The notice of violation will concisely state the alleged violation and will require that the licensee or any other person submit, within twenty (20) days of the date of the notice or other specified time, a written explanation or statement in reply including:

(1) Corrective steps which have been taken by the licensee or other person and the results achieved;

(2) Corrective steps which will be taken; and

(3) The date when full compliance will be achieved.

(b) The notice may require the licensee or other person subject to the jurisdiction of the Commission to admit or deny the violation and to state the reasons for the violation, if admitted. It may provide that, if an adequate reply is not received within the time specified in the notice, the Commission may issue an order or a demand for information as to why the license should not be modified, suspended or revoked or why such other action as may be proper should not be taken.

§ 2.202 Orders.

(a) The Commission may institute a proceeding to modify, suspend, or revoke a license or to take such other action as may be proper by serving on the licensee or other person subject to the jurisdiction of the Commission an order that will:

(1) Allege the violations with which the licensee or other person subject to the Commission's jurisdiction is charged, or the potentially hazardous conditions or other facts deemed to be sufficient ground for the proposed action, and specify the action proposed;

(2) Provide that the licensee or other person must file a written answer to the order under oath or affirmation within twenty (20) days of its date, or such other time as may be specified in the order;

(3) Inform the licensee or any other person adversely affected by the order of his or her right, within twenty (20) days of the date of the order, or such other time as may be specified in the order, to demand a hearing on all or part of the order, except in a case where the licensee or other person has consented in writing to the order.

(4) Specify the issues for hearing; and
 (5) State the effective date of the order; if the Commission finds that the public health, safety, or interest so requires or that the violation or conduct causing the violation is willful, the order may provide, for stated reasons, that the proposed action be immediately effective pending further order.

(b) A licensee or other person to whom the Commission has issued an order under this section must respond to the order by filing a written answer under oath or affirmation. The answer shall specifically admit or deny each allegation or charge made in the order, and shall set forth the matters of fact and law on which the licensee or other person relies, and, if the order is not consented to, the reasons as to why the order should not have been issued. Except as provided in paragraph (d) of this section, the answer may demand a hearing.

➤ (c) If the answer demands a hearing, the Commission will issue an order designating the time and place of hearing.

(1) If the answer demands a hearing with respect to an immediately effective order, the hearing will be conducted expeditiously, giving due consideration to the rights of the parties.

(2) (i) The licensee or other person to whom the Commission has issued an immediately effective order may, in addition to demanding a hearing, at the time the answer is filed or sooner, move the presiding officer to set aside the immediate effectiveness of the order on the ground that the order, including the need for immediate effectiveness, is not based on adequate evidence but on mere suspicion, unfounded allegations, or error. The motion must state with particularity the reasons why the order is not based on adequate evidence and must be accompanied by affidavits or other evidence relied on. The NRC staff shall respond within (5) days of the receipt of the motion. The motion must be decided by the presiding officer expeditiously. During the pendency of the motion or at any other time, the presiding officer may not stay the immediate effectiveness of the order, either on its own motion, or upon motion of the licensee or other person. The presiding officer will uphold the immediate effectiveness of the order if it finds that there is adequate evidence to support immediate effectiveness. An order upholding immediate effectiveness will constitute the final agency action on

immediate effectiveness. An order setting aside immediate effectiveness will be referred promptly to the Commission itself and will not be effective pending further order of the Commission.

(ii) The presiding officer may, on motion by the staff or any other party to the proceeding, where good cause exists, delay the hearing on the immediately effective order at any time for such periods as are consistent with the due process rights of the licensee and other affected parties.

(d) An answer may consent to the entry of an order in substantially the form proposed in the order with respect to all or some of the actions proposed in the order. The consent, in the answer or other written document, of the licensee or other person to whom the order has been issued to the entry of an order shall constitute a waiver by the licensee or other person of a hearing, findings of fact and conclusions of law, and of all right to seek Commission and judicial review or to contest the validity of the order in any forum as to those matters which have been consented to or agreed to or on which a hearing has not been requested. An order that has been consented to shall have the same force and effect as an order made after hearing by a presiding officer or the Commission, and shall be effective as provided in the order.

(e) If the order involves the modification of a part 50 license and is a backfit, the requirements of § 50.109 of this chapter shall be followed, unless the licensee has consented to the action required.

§ 2.203 Settlement and compromise.

At any time after the issuance of an order designating the time and place of hearing in a proceeding to modify, suspend, or revoke a license or for other action, the staff and a licensee or other person may enter into a stipulation for the settlement of the proceeding or the compromise of a civil penalty. The stipulation or compromise shall be subject to approval by the designated presiding officer or, if none has been designated, by the Chief Administrative Law Judge, according due weight to the position of the staff. The presiding officer, or if none has been designated, the Chief Administrative Law Judge, may order such adjudication of the issues as he may deem to be required in the public interest to dispose of the proceeding. If approved, the terms of the settlement or compromise shall be embodied in a decision or order settling and discontinuing the proceeding.

§ 2.204 Demand for information.

(a) The Commission may issue to a licensee or other person subject to the jurisdiction of the Commission a demand for information for the purpose of determining whether an order under § 2.202 should be issued, or whether other action should be taken, which demand will:

(1) Allege the violations with which the licensee or other person is charged, or the potentially hazardous conditions or other facts deemed to be sufficient ground for issuing the demand; and

(2) Provide that the licensee must, or the other person may, file a written answer to the demand for information under oath or affirmation within twenty (20) days of its date, or such other time as may be specified in the demand for information.

(b) A licensee to whom the Commission has issued a demand for information under this section must respond to the demand by filing a written answer under oath or affirmation; any other person to whom the Commission has issued a demand for information may, in its discretion, respond to the demand by filing a written answer under oath or affirmation. The licensee's answer shall specifically admit or deny each allegation or charge made in the demand for information, and shall set forth the matters of fact and law on which the licensee relies. A person other than a licensee may answer as described

above, or by setting forth its reasons why the demand should not have been issued and, if the requested information is not provided, the reasons why it is not provided.

56 FR 40664

(c) Upon review of the answer filed pursuant to paragraph (a)(2) of this section, or if no answer is filed, the Commission may institute a proceeding pursuant to 10 CFR 2.202 to take such action as may be proper.

(d) An answer may consent to the entry of an order pursuant to § 2.202 in substantially the form proposed in the demand for information. Such consent shall constitute a waiver as provided in § 2.202(d).

Director for Nuclear Materials Safety, Safeguards, and Operations Support

58 FR 53312

or the Deputy's designee, as appropriate, shall serve a written notice of violation upon the person charged. This notice may be included in a notice issued pursuant to § 2.201. The notice of violation shall specify the date or dates, facts, and the nature of the alleged act or omission with which the person is charged, and shall identify specifically the particular provision or provisions of the law, rule, regulation, license, permit, or cease and desist order involved in the alleged violation and must state the amount of each proposed penalty. The notice of violation shall also advise the person charged that the civil penalty may be paid in the amount specified therein, or the proposed imposition of the civil penalty may be protested in its entirety or in part, by a written answer, either denying the violation or showing extenuating circumstances. The notice of violation shall advise the person charged that upon failure to pay a civil penalty subsequently determined by the Commission, if any, unless compromised, remitted, or mitigated, be collected by civil action, pursuant to section 234c of the Act.

36 FR 16894

(b) Within twenty (20) days of the date of a notice of violation or other time specified in the notice, the person charged may either pay the penalty in the amount proposed or answer the notice of violation. The answer to the notice of violation shall state any facts, explanations, and arguments, denying the charges of violation, or demonstrating any extenuating circumstances, error in the notice of violation, or other reason why the penalty should not be imposed and may request remission or mitigation of the penalty.

52 FR 31601

(c) If the person charged with violation fails to answer within the time specified in paragraph (b) of this section, an order may be issued imposing the civil penalty in the amount set forth in the notice of violation described in paragraph (a) of this section.

54 FR 53312

(d) If the person charged with violation files an answer to the notice of violation, the Deputy Executive Director for Nuclear Materials Safety, Safeguards, and Operations Support or the Deputy's designee, upon consideration of the answer, will issue an order dismissing the proceeding or imposing, mitigating, or remitting the civil penalty. The person charged may, within twenty (20) days of the date of the order or other time specified in the order, request a hearing.

36 FR 16894

(e) If the person charged with violation requests a hearing, the Commission will issue an order designating the time and place of hearing.

(f) If a hearing is held, an order will be issued after the hearing by the presiding officer or the Commission dismissing the proceeding or imposing, mitigating, or remitting the civil penalty.

54 FR 53312

(g) Deputy Executive Director for Nuclear Materials Safety, Safeguards, and Operations Support or the Deputy's designee, as appropriate may compromise any civil penalty, subject to the provisions of § 2.203.

(h) If the civil penalty is not compromised, or is not remitted by the Deputy Executive Director for Nuclear Materials Safety, Safeguards, and Operations Support

or the Deputy's designee, as appropriate, the presiding officer, or the Commission, and if payment is not made within ten (10) days following either the service of the order described in paragraph (c) or (f) of this section, or the expiration of the time for requesting a hearing described in paragraph (d) of this section, the Deputy Executive Director for Regional Operations, or the Deputy's designee, as appropriate, may refer the matter to the Attorney General for collection.

52 FR 31601

(i) Except when payment is made after compromise or mitigation by the Department of Justice or as ordered by a court of the United States, following reference of the matter to the Attorney General for collection, payment of civil penalties imposed under section 234 of the Act shall be made by check, draft, or money order payable to the Treasurer of the United States, and mailed to the Director, Office of Enforcement.

54 FR 53312

§ 2.205 Civil penalties.

(a) Before instituting any proceeding to impose a civil penalty under section 234 of the Act, the Deputy Executive

PART 2 • RULES OF PRACTICE FOR DOMESTIC LICENSING PROCEEDINGS ...

§ 2.206 Requests for action under this subpart.

(a) Any person may file a request to institute a proceeding pursuant to § 2.202 to modify, suspend, or revoke a license, or for such other action as may be proper. Such a request shall be addressed to the Executive Director for Operations and shall be filed either (1) by delivery to the Public Document Room at 2120 Street, NW., Washington, DC, or (2) by mail or telegram addressed to the Executive Director for Operations, U.S. Nuclear Regulatory Commission, Washington, DC 20555. The requests shall specify the action requested and set forth the facts that constitute the basis for the request. The Executive Director for Operations will refer the request to the Director of the NRC Office with responsibility for the subject matter of the request for appropriate action in accordance with paragraph (b) of this section.

(b) Within a reasonable time after a request pursuant to paragraph (a) of this section has been received, the Director of the NRC office with responsibility for the subject matter of the request shall either institute the requested proceeding in accordance with this subpart or shall advise the person who made the request in writing that no proceeding will be instituted in whole or in part, with respect to the request, and the reasons for the decision.

(c)(1) Director's decisions under this section will be filed with the Office of the Secretary. Within twenty-five (25) days after the date of the Director's decision under this section that no proceeding will be instituted or other action taken in whole or in part, the Commission may on its own motion review that decision, in whole or in part, to determine if the Director has abused his discretion. This review power does not limit in any way either the Commission's supervisory power over delegated staff actions or the Commission's power to consult with the staff on a formal or informal basis regarding institution of proceedings under this section.

(2) No petition or other request for Commission review of a Director's decision under this section will be entertained by the Commission.

Subpart C [removed] 51 FR 7744

Subpart D—Additional Procedures Applicable to Proceedings for the Issuance of Licenses To Construct or Operate Nuclear Power Plants of Duplicate Design at Multiple Sites

§ 2.400 Scope of subpart.

This subpart describes procedures applicable to licensing proceedings which involve the consideration in hearings of a number of applications, filed by one or more applicants pursuant to Appendix N of Part 52 of this chapter, for licenses to construct and operate nuclear power reactors of essentially the same design to be located at different sites.

§ 2.401 Notice of hearing on applications pursuant to Appendix N of Part 52 for construction permits.

(a) In the case of applications pursuant to Appendix N of Part 52 of this chapter for construction permits for nuclear power reactors of the type described in § 50.22 of this chapter, the Secretary will issue notices of hearing pursuant to § 2.104.

(b) The notice of hearing will also state the time and place of the hearings on any separate phase of the proceeding.

§ 2.402 Separate hearings on separate issues: consolidation of proceedings.

(a) In the case of applications pursuant to Appendix N of Part 52 of this chapter for construction permits for nuclear power reactors of a type described in § 50.22 of this chapter, the Commission or the presiding officer may order separate hearings on particular phases of the proceeding, such as matters related to the acceptability of the design of the reactor, in the context of the site parameters postulated for the design; environmental matters; or antitrust aspects of the application.

(b) If a separate hearing is held on a particular phase of the proceeding, the Commission or presiding officers of each affected proceeding may, pursuant to § 2.716, consolidate for hearing on that phase two or more proceedings to consider common issues relating to the applications involved in the proceedings, if it finds that such action will be conducive to the proper dispatch of its business and to the ends of justice. In fixing the place of any such consolidated hearing due regard will be given to the convenience and necessity of the parties, petitioners for leave to intervene or the attorneys or representatives of such persons, and the public interest.

§ 2.403 Notice of proposed action on applications for operating licenses pursuant to Appendix N of Part 52.

In the case of applications pursuant to Appendix N of Part 52 of this chapter for operating licenses for nuclear power reactors, if the Commission has not found that a hearing is in the public interest, the Director of Nuclear Reactor Regulation will, prior to acting thereon, cause to be published in the FEDERAL REGISTER, pursuant to § 2.105, a notice of proposed action with respect to each application as soon as practicable after the applications have been docketed.

§ 2.404 Hearings on applications for operating licenses pursuant to Appendix N of Part 52.

If a request for a hearing and/or petition for leave to intervene is filed within the time prescribed in the notice of proposed action on an application for an operating license pursuant to Appendix N of Part 52 of this chapter with respect to a specific reactor(s) at a specific site and the Commission or an atomic safety and licensing board designated by the Commission or by the Chairman of the Atomic Safety and Licensing Board Panel has issued a notice of hearing or other appropriate order, the Commission or the atomic safety and licensing board may order separate hearings on particular phases of the proceeding and/or consolidate for hearing two or more proceedings in the manner described in § 2.402.

§ 2.405 Initial decisions in consolidated hearings.

At the conclusion of any hearing held pursuant to this subpart, the presiding officer will render a partial initial decision which may be appealed pursuant to § 2.762. No construction permit or full power operating license will be issued until an initial decision has been issued on all phases of the hearing and all issues under the Act and the National Environmental Policy Act of 1969 appropriate to the proceeding have been resolved.

§ 2.406 Finality of decisions on separate issues.

Notwithstanding any other provision of this chapter, in a proceeding conducted pursuant to this subpart and Appendix N of Part 52 of this chapter, no matter which has been reserved for consideration in one phase of the hearing shall be considered at another phase of the hearing except on the basis of significant new information that substantially affects the conclusion(s) reached at the other phase or other good cause.

53 FR 43419

45 FR 74693

42 FR 36239

53 FR 15372

43 FR 17798

54 FR 15372

40 FR 2976

54 FR 15372

§ 2.407 Applicability of other sections.

The provisions of Subparts A and G relating to construction permits and operating licenses apply, respectively, to construction permits and operating licenses subject to this subpart, except as qualified by the provisions of this subpart.

Subpart E—Additional Procedures Applicable to Proceedings for the Issuance of Licenses To Manufacture Nuclear Power Reactors To Be Operated at Sites Not Identified in the License Application and Related Licensing Proceedings

§ 2.500 Scope of subpart.

This subpart prescribes procedures applicable to licensing proceedings which involve the consideration in separate hearings of an application for a license to manufacture nuclear power reactors pursuant to Appendix M of Part 52 of this chapter, and applications for construction permits and operating licenses for nuclear power reactors which have been the subject of such an application for a license to manufacture such facilities (manufacturing license).

§ 2.501 Notice of hearing on application pursuant to Appendix M of Part 52 for a license to manufacture nuclear power reactors.

(a) In the case of an application pursuant to Appendix M of Part 52 of this chapter for a license to manufacture nuclear power reactors of the type described in § 50.22 of this chapter to be operated at sites not identified in the license application, the Secretary will issue a notice of hearing to be published in the FEDERAL REGISTER at least thirty (30) days prior to the date set for hearing in the notice.¹ The notice shall be issued as soon as practicable after the application has been docketed. The notice will state:

- (1) The time, place, and nature of the hearing and/or the prehearing conference;
- (2) The authority within which the hearing is to be held;
- (3) The matters of fact and law to be considered; and
- (4) The time within which answers to the notice shall be filed.

(b) The issues stated in the notice of hearing pursuant to paragraph (a) of this section will not involve consideration of the particular sites at which any of the

nuclear power reactors to be manufactured will be located and operated. Except as the Commission determines otherwise, the notice of hearing will state:

(1) That, if the proceeding is a contested proceeding, the presiding officer will consider the following issues:²

(i) Whether the applicant has described the proposed design of, and the site parameters postulated for, the reactor(s), including, but not limited to, the principal architectural and engineering criteria for the design, and has identified the major features or components incorporated therein for the protection of the health and safety of the public;

(ii) Whether such further technical or design information as may be required to complete the design report and which can reasonably be left for later consideration, will be supplied in a supplement to the design report;

(iii) Whether safety features or components, if any, which require research and development have been described by the applicant and the applicant has identified, and there will be conducted a research and development program reasonably designed to resolve any safety questions associated with such features or components;

(iv) Whether on the basis of the foregoing, there is reasonable assurance that (A) such safety questions will be satisfactorily resolved before any of the proposed nuclear power reactors are removed from the manufacturing site, and (B) taking into consideration the site criteria contained in Part 100 of this chapter, the proposed reactor(s) can be constructed and operated at sites having characteristics that fall within the site parameters postulated for the design of the reactor(s) without undue risk to the health and safety of the public;

(v) Whether the applicant is technically and financially qualified to design and manufacture the proposed reactor(s).

(vi) Whether the issuance of a license for manufacture of the reactor(s) will be inimical to the common defense and security or to the health and safety of the public; and

(vii) Whether, in accordance with the requirements of Subpart A of Part 51 and Appendix M of Part 52 of this chapter, the license should be issued as proposed.

²Issues (i) and (vi) are the issues pursuant to the Atomic Energy Act of 1954, as amended. Issue (vii) is the issue pursuant to the National Environmental Policy Act of 1969.

(2) That, if the proceeding is not a contested proceeding, the presiding officer will determine (i) without conducting a de novo evaluation of the application, whether the application and the record of the proceeding contain sufficient information, and the review of the application by the Commission's staff has been adequate to support affirmative findings on paragraphs (b)(1)(i) through (v) of this section and a negative finding on paragraph (b)(1)(vi) of this section proposed to be made and the issuance of the license to manufacture proposed by the Director of Nuclear Reactor Regulation, and (ii) whether the review conducted by the Commission pursuant to the National Environmental Policy Act (NEPA) has been adequate.

(3) That, regardless of whether the proceeding is contested or uncontested, the presiding officer will, in accordance with Subpart A of Part 51 and paragraph 3 of Appendix M of Part 52 of this chapter,

(i) Determine whether the requirements of section 102(2) (A), (C) and (E) of the National Environmental Policy Act and Subpart A of Part 51 of this chapter have been complied with in the proceeding;

(ii) Independently consider the final balance among conflicting factors contained in the record of the proceeding with a view to determining the appropriate action to be taken; and

(iii) Determine whether the manufacturing license should be issued, denied or appropriately conditioned to protect environmental values.

(c) The place of hearing on an application for a manufacturing license will be Washington, D.C., or such other location as the Commission deems appropriate.

§ 2.502 Notice of hearing on application for a permit to construct a nuclear power reactor manufactured pursuant to a Commission license issued pursuant to Appendix M of Part 52 of this chapter at the site at which the reactor is to be operated.

The issues stated for consideration in the notice of hearing on an application for a permit to construct a nuclear power reactor(s) which is the subject of an application for a manufacturing license pursuant to Appendix M of Part 52 of this chapter, will be those stated in § 2.104(b) and, in addition, whether the site on which the facility is to be operated falls within the postulated site parameters specified in the relevant application for a manufacturing license.

PART 2 • RULES OF PRACTICE FOR DOMESTIC LICENSING PROCEEDINGS...

§ 2.503 Finality of decisions on separate issues.

Notwithstanding any other provision of this chapter, no matter which has been resolved at an earlier stage of the licensing process which involves a manufacturing license, a permit to construct a reactor for which a manufacturing license is sought, a license to operate such a reactor, and any amendment to such permit or licenses shall be determined to be at issue in any subsequent state of the licensing process except on the basis of significant new information that substantially affects the conclusion(s) reached at the earlier stage or other good cause.

§ 2.504 Applicability of other sections.

The provisions of Subparts A and G relating to construction permits apply to manufacturing licenses subject to this subpart, with respect to matters of radiological health and safety, environmental protection, and the common defense and security, except that § 2.104 (a) and (b) do not apply to manufacturing licenses. The provisions of Subparts A and G relating to construction permits and operating licenses apply, respectively, to construction permits and operating licenses subject to this subpart, except as qualified by the provisions of this subpart.

Subpart F—Additional Procedures Applicable to Early Partial Decisions on Site Suitability Issues in Connection With an Application for a Permit To Construct Certain Utilization Facilities

§ 2.600 Scope of subpart.

This subpart prescribes procedures applicable to licensing proceedings which involve an early submittal of site suitability information in accordance with § 2.101(a-1), and a hearing and early partial decision on issues of site suitability, in connection with an application for a permit to construct a utilization facility which is subject to § 51.20(b) of this chapter and is of the type specified in §§ 50.21(b) (2) or (3) or 50.22 of this chapter or is a testing facility.

§ 2.601 Applicability of other sections.

The provisions of Subparts A and G relating to applications for construction permits and proceedings thereon apply, respectively, to applications and proceedings in accordance with this subpart, except as specifically provided otherwise by the provisions of this subpart.

§ 2.602 Filing fees.

Each application which contains a request for early review of site suitability issues under the procedures of this subpart shall be accompanied by any fee required by § 50.30(e) and Part 170 of

this chapter.

§ 2.603 Acceptance and docketing of application for early review of site suitability issues.

(a) Each part of an application submitted in accordance with § 2.101(a-1) of this part will be initially treated as a tendered application. If it is determined that any one of the parts as described in § 2.101(a-1) is incomplete and not acceptable for processing, the Director of Nuclear Reactor Regulation will inform the applicant of this determination and the respects in which the document is deficient. Such a determination of completeness will generally be made within a period of thirty (30) days.

(b)(1) The Director of Nuclear Reactor Regulation will accept for docketing an application for a construction permit for a utilization facility which is subject to § 51.20(b) of this chapter and is of the type specified in §§ 50.21(b) (2) or (3) or 50.22 or is a testing facility where part one of the application as described in § 2.101(a-1) is complete. Part one of an application will not be considered complete unless it contains proposed findings as required by § 2.101(a-1)(1)(i) and unless it describes the applicant's site selection process, specifies the extent to which that process involves the consideration of alternative sites, explains the relationship between that process and the application for early review of site suitability issues, and briefly describes the applicant's long-range plans for ultimate development of the site. Upon assignment of a docket number, the procedures in § 2.101 (a)(3) and (a)(4) relating to formal docketing and the submission and distribution of additional copies of the application shall be followed.

(2) Additional parts of the application will be docketed upon a determination by the Director of Nuclear Reactor Regulation that they are complete.

(c) If part one of the application is docketed, the Director of Nuclear Reactor Regulation will cause to be published in the FEDERAL REGISTER and send to the Governor or other appropriate official of the State in which the site is located, a notice of docketing of the application which states the purpose of the application, states the location of the proposed site, states that a notice of hearing will be published, requests comments within 120 days or such other time as may be specified on the initiation or outcome of an early site review from Federal, State, and local agencies and interested persons, and in the case of applications filed under section 103 of the Act, states that a person who wishes to have his views on the antitrust aspects of the application presented to the Attorney General for consideration shall submit such views in accordance with a subsequent notice that will be published in the FEDERAL REGISTER. In the case of a nuclear power reactor, such subsequent notice will be published following submission of the information required by § 50.33a.

§ 2.604 Notice of hearing on application for early review of site suitability issues.

(a) Where an applicant for a construction permit for a utilization facility subject to this subpart requests an early review and hearing and an early partial decision on issues of site suitability pursuant to § 2.101(a-1), the provisions in the notice of hearing setting forth the matters of fact and law to be considered, as required by § 2.104, shall be modified so as to relate only to the site suitability issue or issues under review.

(b) After docketing of part two of the application, as provided in §§ 2.101(a-1) and 2.603, a supplementary notice of hearing will be published pursuant to § 2.104 with respect to the remaining unresolved issues in the proceeding within the scope of § 2.104. Such supplementary notice of hearing will provide that any person whose interest may be affected by the proceeding and who desires to participate as a party in the resolution of the remaining issues shall file a petition for leave to intervene pursuant to § 2.714 within the time prescribed in the notice. Such supplementary notice will also provide appropriate opportunities for participation by a representative of an interested state under § 2.715(c) and for limited appearances pursuant to § 2.715 (a).

(c) Any person who was permitted to intervene as a party pursuant to the initial notice of hearing on site suitability issues and who was not dismissed or did not withdraw as a party may continue to participate as a party to the proceeding with respect to the remaining unresolved issues, provided that within the time prescribed for filing of petitions for leave to intervene in the supplementary notice of hearing, he files a notice of his intent to continue as a party, along with a supporting affidavit identifying the specific aspect or aspects of the subject matter of the proceeding as to which he wishes to continue to participate as a party, and setting forth with particularity the basis for his contentions with regard to each such aspect or aspects. A party who files a nontimely notice of intent to continue as a party may be dismissed from the proceeding, absent a determination that the party has made a substantial showing of good cause for failure to file on time, and with particular reference to the factors specified in §§ 2.714(a)(1)-(4) and 2.714(d). The notice will be ruled upon by the Commission or atomic safety and licensing board designated to rule on petitions for leave to intervene.

(d) To the maximum extent practicable, the membership of the atomic safety and licensing board designated to preside in the proceeding on the remaining unresolved issues pursuant to the supplemental notice of hearing will be the same as the membership designated to preside in the initial notice of hearing on site suitability issues.

§ 2.605 Additional considerations.

(a) The Commission will not conduct more than one review of site suitability issues with regard to a particular site prior to filing and review of part two of the application described in § 2.101 (a-1) of this part.

(b) The Commission, upon its own initiative, or upon the motion of any party to the proceeding filed at least sixty (60) days prior to the date of the commencement of the evidentiary hearing on site suitability issues, may decline to initiate an early hearing or render an early partial decision on any issue or issues of site suitability:

42FR2282, 49FR9352, 42FR2282, 49FR9352, 42FR2282, 49FR9352

42FR2282, 49FR9352, 42FR2282, 49FR9352

42FR2282, 49FR9352

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11 In cases where no partial decision on the relative merits of the proposed site and alternative sites under Subpart A of Part 51 is requested, upon determination that there is a reasonable likelihood that further review would identify one or more preferable alternative sites and the partial decision on one or more site suitability issues would lead to an irreversible and irretrievable commitment of resources prior to the submittal of the remainder of the information required by § 50.30(f) of this chapter that would prejudice the later review and decision on such alternative sites; or

(2) In cases where it appears that an early partial decision on any issue or issues of site suitability would not be in the public interest considering (i) the degree of likelihood that any early findings on those issues would retain their validity in later reviews, (ii) the objections, if any, of cognizant state or local government agencies to the conduct of an early review on those issues, and (iii) the possible effect on the public interest and the parties of having an early, if not necessarily conclusive, resolution of those issues.

2.606 Partial decisions on site suitability issues.

(a) The provisions of §§ 2.754, 2.755, 2.759, 2.761, 2.752, 2.763, and 2.764(a) shall apply to any partial initial decision rendered in accordance with this subpart. Section 2.764(b) shall not apply to any partial initial decision rendered in accordance with this subpart. No limited work authorization may be issued pursuant to § 50.10(e) of Part 50 of this chapter and no construction permit may be issued without completion of the full review required by section 102(2) of the National Environmental Policy Act of 1969, as amended, and Subpart A of Part 51 of this chapter. The authority of the Commission to review such a partial initial decision and to raise *sua sponte* an issue that has not been raised by the parties will be exercised within the same time period as in the case of a full decision relating to the issuance of a construction permit.

(b) A partial decision on one or more site suitability issues pursuant to the applicable provisions of Part 50, Subpart A of Part 51, and Part 101 of this chapter issued in accordance with this subpart shall (i) clearly identify the site to which the partial decision applies and (ii) indicate to what extent additional information may be needed and additional review may be required to enable the Commission to determine in accordance with the provisions of the Act and the applicable provisions of the regulations in this chapter whether a construction permit for a facility to be located on the site identified in the partial decision should be issued or denied.

(2) Following completion of Commission review of the partial initial decision of the Atomic Safety and Licensing Board, after hearing, on the site suitability issues, the partial decision shall remain in effect either for a period of five years or, where the applicant for the construction permit has made timely submittal of the information required to support the application as provided in § 2.101(a-1), until the proceeding for a permit to construct a facility on the site identified in the partial decision has been concluded, unless the Commission,

or Atomic Safety and Licensing Board, upon its own initiative or upon motion by a party to the proceeding, finds that there exists significant new information that substantially affects the earlier conclusions and reopens the hearing record on site suitability issues. Upon good cause shown, the Commission may extend the five year period during which a partial decision shall remain in effect for a reasonable period of time not to exceed one year.

Subpart G—Rules of General Applicability

§ 2.700 Scope of subpart.

The general rules in this subpart govern procedure in all adjudications initiated by the issuance of an order pursuant to § 2.202, an order pursuant to § 2.205(e), a notice of hearing, a notice of proposed action issued pursuant to § 2.105, or a notice issued pursuant to § 2.102(d)(3). The procedures applicable to the proceeding on an application for a license to receive and possess high-level radioactive waste at a geologic repository operations area are set forth in Subpart J.

§ 2.700a Exceptions.

(a) Consistent with 5 U.S.C. 554(a)(4) of the Administrative Procedure Act, the Commission may provide alternative procedures in adjudications to the extent that there is involved the conduct of military or foreign affairs functions.

(b) This rule shall apply to proceedings in progress where hearings have already been requested or ordered as well as to future proceedings.

§ 2.701 Filing of documents.

(a) Documents shall be filed with the Commission in adjudications subject to this part either: (1) By delivery to the Public Document Room at 2120 L Street NW., Washington, D.C., or (2) by mail or telegram addressed to the Secretary, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Chief, Docketing and Service Section.

*The partial decision on site suitability issues shall be incorporated in the decision regarding issuance of a construction permit to the extent that it serves as a basis for the decision on a specific site issue(s).

(b) All documents offered for filing shall be accompanied by proof of service upon all parties to the proceeding or their attorneys of record as required by law or by rule or order of the Commission. The staff of the Commission shall be deemed to be a party.

(c) Filing by mail or telegram will be deemed to be complete as of the time of deposit in the mail or with a telegraph company.

§ 2.702 Docket.

The Secretary shall maintain a docket for each proceeding subject to this part, commencing with the issuance of the initial notice of hearing, notice of consideration of issuance of facility operating license or other proposed action specified in § 2.105, or order. The Secretary shall maintain all files and records, including the transcripts of testimony and exhibits and all papers, correspondence, decisions and orders filed or issued.

§ 2.703 Notice of hearing.

(a) In a proceeding in which the terms of a notice of hearing are not otherwise prescribed by this part, the order or notice of hearing will state:

(1) The nature of the hearing, and its time and place, or a statement that the time and place will be fixed by subsequent order;

(2) The legal authority and jurisdiction under which the hearing is to be held;

(3) The matters of fact and law asserted or to be considered; and

(4) The time within which an answer shall be filed.

(b) The time and place of hearing will be fixed with due regard for the convenience of the parties or their representatives, the nature of the proceeding, and the public interest.

§ 2.704 Designation of presiding officer, disqualification, unavailability.

(a) The Commission may provide in the notice of hearing that one or more members of the Commission, or an atomic safety and licensing board, or a named officer who has been delegated final authority in the matter, shall preside.

49 FR 9382
42 FR 22802
56 FR 40664
56 FR 4490
47 FR 43419
53 FR 43419

29 FR 12826
27 FR 377
57 FR 4152
27 FR 377
31 FR 16309

If the Commission does not so provide, the Chairman of the Atomic Safety and Licensing Board Panel will issue an order designating an atomic safety and licensing board appointed pursuant to section 191 of the Atomic Energy Act of 1954, as amended, or, if the Commission has not provided for the hearing to be conducted by an atomic safety and licensing board, the Chief Administrative Law Judge will issue an order designating an administrative law judge appointed pursuant to section 3105 of title 5 of the United States Code.

(b) If a designated presiding officer or a designated member of an atomic safety and licensing board deems himself disqualified to preside or to participate as a board member in the hearing, he shall withdraw by notice on the record and shall notify the Commission or the Chairman of the Atomic Safety and Licensing Board Panel, as appropriate, of his withdrawal.

(c) If a party deems the presiding officer or a designated member of an atomic safety and licensing board to be disqualified, he may move that the presiding officer or the board member disqualify himself. The motion shall be supported by affidavits setting forth the alleged grounds for disqualification. If the presiding officer does not grant the motion or the board member does not disqualify himself, the motion shall be referred to the Commission

which will determine the sufficiency of the grounds alleged.

(d) If a presiding officer or a designated member of an atomic safety and licensing board becomes unavailable during the course of a hearing, the Commission or the Chairman of the Atomic Safety and Licensing Board Panel, as appropriate, will designate another presiding officer or atomic safety and licensing board member. If he becomes unavailable after the hearing has been concluded:

(1)(i) The Commission may designate another presiding officer to make the decision; or

(ii) The Chairman of the Atomic Safety and Licensing Board Panel or the Commission, as appropriate, may designate another atomic safety and licensing board member to participate in the decision;

(2) The Commission may direct that the record be certified to it for decision; or

(3) The Commission may designate another presiding officer.

(e) In the event of substitution of a presiding officer or a designated member of an atomic safety and licensing board for the one originally designated, any motion predicated upon the substitution shall be made within five (5) days thereafter.

§ 2.705 Answer.

(a) Within twenty (20) days after service of the notice of hearing, or such other time as may be specified in the notice of hearing, a party may file an answer which shall concisely state: (1) The nature of his defense or other position; (2) the items of the specification of issues he controverts and those he does not controvert; and (3) whether he proposes to appear and present evidence.

(b) If facts are alleged in the specification of issues, the answer shall admit or deny specifically each material allegation of fact; or, where the party has no knowledge or information sufficient to form a belief, the answer may so state and the statement shall have the effect of a denial. Material allegations of fact not denied shall be deemed to be admitted. Matters alleged as affirmative defenses or positions shall be separately stated and identified and, in the absence of a reply, shall be deemed to be controverted.

(c) If a party does not oppose an order or proposed action embodied in or accompanying the notice of hearing, or does not wish to appear and present evidence at the hearing, the answer shall so state. In lieu of appearing at the hearing, a party may request leave to file a statement under oath or affirmation of reasons why the proposed order or action should not be issued or should differ from that proposed. Such a statement, if accepted, will be accorded whatever weight is deemed proper.

§ 2.706 Reply.

A party may file a reply to an answer within ten (10) days after it is served.

§ 2.707 Default.

On failure of a party to file an answer or pleading within the time prescribed in this part or as specified in the notice of hearing or pleading; to appear at a hearing or prehearing conference, to comply with any prehearing order entered pursuant to § 2.751a or § 2.752, or to comply with any discovery order entered by the presiding officer pursuant to § 2.740, the Commission or the presiding officer⁴ may make such orders in regard to the failure as are just, including, among others, the following:

(a) Without further notice, find the facts as to the matters regarding which the order was made in accordance with the claim of the party obtaining the order, and enter such order as may be appropriate; or

(b) Proceed without further notice to take proof on the issues specified.

⁴When a reference is made to the Commission or the presiding officer in this subpart and a presiding officer has been designated, the specified action will be taken by the presiding officer, unless otherwise provided.

§ 2.708 Formal requirements for documents.

(a) Each document filed in an adjudication subject to this part to which a docket number has been assigned shall bear the docket number and title of the proceeding.

(b) Each document shall be bound on the left side and typewritten, printed or otherwise reproduced in permanent form on good unglazed paper of standard letterhead size. Each page shall begin not less than one and one-quarter inches from the top, with side and bottom margins of not less than one and one-quarter inches. Text shall be double-spaced, except that quotations may be single-spaced and indented. The requirements of this paragraph do not apply to original documents or admissible copies offered as exhibits, or to specially prepared exhibits.

(c) The original of each document shall be signed in ink by the party or his authorized representative, or by an attorney having authority with respect to it. The capacity of the person signing, his address, and the date shall be stated. The signature of a person signing in a representative capacity is a representation that the document has been subscribed in the capacity specified with full authority, that he has read it and knows the contents, that to the best of his knowledge, information, and belief the statements made in it are true, and that it is not interposed for delay. If a document is not signed, or is signed with intent to defeat the purpose of this section, it may be stricken.

(d) Except as otherwise provided by this part or by order, a pleading (or other document) other than correspondence shall be filed in an original and two conformed copies.

(e) The first document filed by any person in a proceeding shall designate the name and address of a person on whom service may be made.

(f) A document filed by telegraph need not comply with the formal requirements of paragraphs (b), (c), and (d) of this section if an original and copies otherwise complying with all of the requirements of this section are mailed within two (2) days thereafter to the Secretary, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Chief, Docketing and Service Section.

§ 2.709 Acceptance for filing.

A document which fails to conform to the requirements of § 2.708 may be refused acceptance for filing and may be returned with an indication of the reason for nonacceptance. Any matter so tendered but not accepted for filing shall not be entered on the Commission's docket.

35 FR 11459
40 FR 51995
56 FR 29403
40 FR 51995
43 FR 1798
37 FR 15127
56 FR 29403
40 FR 51995

27 FR 377
27 FR 377
28 FR 10151
28 FR 49535
27 FR 377
27 FR 377
39 FR 35372
27 FR 377

§ 2.710 Computation of time.

In computing any period of time, the day of the act, event, or default after which the designated period of time begins to run is not included. The last day of the period so computed is included unless it is a Saturday, Sunday, or legal holiday at the place where the action or event is to occur, in which event the period runs until the end of the next day which is neither a Saturday, Sunday, nor holiday. Whenever a party has the right or is required to do some act within a prescribed period after the service of a notice or other paper upon him or her and the notice or paper is served upon by mail, five (5) days shall be added to the prescribed period. Only two (2) days shall be added when a document is served by express mail.

§ 2.711 Extension and reduction of time limits.

(a) Except as otherwise provided by law, whenever an act is required or allowed to be done at or within a specified time, the time fixed or the period of time prescribed may for good cause be extended or shortened by the Commission or the presiding officer, or by stipulation approved by the Commission or the presiding officer.

(b) In any instance in which this part does not prescribe a time limit for an action to be taken in the proceeding, the Commission or the presiding officer may set a time limit for that action.

§ 2.712 Service of papers, methods, proof.

(a) Service of papers by the Commission. Except for subpoenas, the Commission will serve all orders, decisions, notices, and other papers issued by it upon all parties.

(b) Who may be served. Any paper required to be served upon a party shall be served upon him or upon the representative designated by him or by law to receive service of papers. When a party has appeared by attorney, service must be made upon the attorney of record.

(c) How Service may be made. Service may be made by personal delivery, by first class, certified or registered mail including air mail, by telegraph, or as otherwise authorized by law. Where there are numerous parties to a proceeding, the Commission may make special provision regarding the service of papers. The presiding officer may require service by express mail upon some or all parties and the presiding officer.

(d) Service on the Secretary. (1) All pleadings must be served on the Secretary of the Commission in the same or equivalent manner, i.e., telefax, express mail, personal delivery, or courier, that they are served upon the adjudicatory tribunals and the parties to the proceedings so that the Secretary will receive the pleading at approximately the same time that it is

received by the tribunal to which the pleading is directed.

(2) When pleadings are personally delivered to tribunals while they are conducting proceedings outside the Washington, DC area, service on the Secretary may be accomplished by overnight mail.

(3) Service of pre-filed testimony and demonstrative evidence (e.g., maps and other physical exhibits) on the Secretary may be made by first-class mail in all cases.

(4) The addresses for the Secretary are:

(i) First class mail: Office of the Secretary, U.S. Nuclear Regulatory Commission, Washington, DC 20555. Attention: Docketing and Service Branch.

(ii) Express mail: Office of the Secretary, Sixteenth Floor, One White Flint North, 11555 Rockville Pike, Rockville, Maryland 20852, Attention: Docketing and Service Branch.

(iii) Telecopier: (301) 492-1672; (301) 492-0275; and (301) 492-1977 (verification).

(e) When service complete. Service upon a party is complete:

(1) By personal delivery, on handing the paper to the individual, or leaving it at his office with his clerk or other person in charge or, if there is no one in charge, leaving it in a conspicuous place therein or, if the office is closed or the person to be served has no office, leaving it at his usual place of residence with some person of suitable age and discretion then residing there;

(2) By telegraph, when deposited with a telegraph company, properly addressed and with charges prepaid;

(3) By mail, on deposit in the United States mail, properly stamped and addressed; or

(4) When service cannot be effected in a manner provided by paragraphs (d) (1) to (3) inclusive of this section in any other manner authorized by law.

(f) Proof of service. Proof of service, stating the name and address of the person on whom served and the manner and date of service, shall be shown for each document filed, and may be made by:

(1) Written acknowledgment of the party served or his counsel;

(2) The certificate of counsel if he has made the service; or

(3) The affidavit of the person making the service.

(g) Free copying and service. Except in an antitrust proceeding, in any adjudicatory proceeding on an application for a license or an amendment thereto, the Commission, upon request by a party other than the applicant, will copy and serve without cost to that party that party's testimony (including attachments), proposed findings of fact and conclusions of law, and responses to discovery requests. These documents should be filed with Docketing and Service not less than five days before they are due to be submitted to an adjudicatory board.

unless the presiding officer provides otherwise.¹

§ 2.713 Appearance and practice before the Commission in adjudicatory proceedings.

(a) Standards of Practice. In the exercise of their functions under this subpart, the Commission,

the Atomic Safety and Licensing Boards, and Administrative Law Judges function in a quasijudicial capacity. Accordingly, parties and their representatives in proceedings subject to this subpart are expected to conduct themselves with honor, dignity, and decorum as they should before a court of law.

(b) Representation. A person may appear in an adjudication on his or her own behalf or by an attorney-at-law. A partnership, corporation or unincorporated association may be represented by a duly authorized member or officer, or by an attorney-at-law. A party may be represented by an attorney-at-law provided the attorney is in good standing and has been admitted to practice before any Court of the United States, the District of Columbia, or the highest court of any State, territory, or possession of the United States. Any person appearing in a representative capacity shall file with the Commission a written notice of appearance which shall state his or her name, address, and telephone number; the name and address of the person on whose behalf he or she appears; and, in the case of an attorney-at-law, the basis of his or her eligibility as a representative or, in the case of another representative, the basis of his or her authority to act on behalf of the party.

(c) Reprimand, Censure or Suspension from the Proceeding.

(1) A presiding officer, or the Commission may, if necessary for the orderly conduct of a proceeding, reprimand, censure or suspend from participation in the particular proceeding pending before it any party or representative of a party who shall refuse to comply with its directions, or who shall be guilty of disorderly, disruptive, or contemptuous conduct.

(2) A reprimand, a censure or a suspension which is ordered to run for one day or less shall be ordered with grounds stated on the record of the proceeding and shall advise the person disciplined of the right to appeal pursuant to paragraph (c)(3) of this section. A suspension which is ordered for a longer period shall be in writing, shall state the grounds on which it is based, and shall advise the person suspended of the right to appeal and to

¹ This paragraph is suspended until further action of the Commission. 46 FR 13681

request a stay pursuant to paragraphs (c)(3) and (c)(4) of this section. A proceeding may be stayed for a reasonable time in order for an affected party to obtain other representation if this would be necessary to prevent injustice.

(3) Anyone disciplined pursuant to this section may within ten (10) days after issuance of the order file an appeal with the

Commission, as appropriate. The appeal shall be in writing and state concisely, with supporting argument, why the appellant believes the order was erroneous, either as a matter of fact or law. The Commission

shall consider each appeal on the merits, including appeals in cases in which the suspension period has already run. If necessary for a full and fair consideration of the facts, the Commission

may conduct further evidentiary hearings, or may refer the matter to another presiding officer for development of a record. In the latter event, unless the Commission

provides specific directions to the presiding officer, that officer shall determine the procedure to be followed and who shall present evidence, subject to applicable provisions of law. Such hearing shall commence as soon as possible. In the case of an attorney, if no appeal is taken of a suspension, or, if the suspension is upheld at the conclusion of the appeal, the presiding officer, the Commission

as appropriate, shall notify the state bar(s) to which the attorney is admitted. Such notification shall include copies of the order of suspension, and, if an appeal was taken, briefs of the parties, and the decision of the Commission.

(4) A suspension exceeding 1 day shall not be effective for 72 hours from the date the suspension order is issued. Within this time a suspended individual may request a stay of the sanction from the appropriate reviewing tribunal pending appeal. No responses to the stay request from other parties will be entertained. If a timely stay request is filed, the suspension shall be stayed until the reviewing tribunal rules on the motion. The stay request shall be in writing and contain the information specified in § 2.788(b) (1), (2), and (3) of this part. The Commission

shall rule on the stay request within 10 days after the filing of the motion. The Commission shall consider the factors specified in § 2.788(e) (1) and (2) of this part is determining whether to grant or deny a stay application.

§ 2.714 Intervention.

(a)(1) Any person whose interest may be affected by a proceeding and who desires to participate as a party shall file a written petition for leave to intervene. In a proceeding noticed pursuant to § 2.105, any person whose interest may be affected may also request a hearing. The petition and/or request shall be filed not later than the time specified in the notice of hearing, or as provided by the Commission, the presiding officer or the atomic safety and licensing board designated to rule on the petition and/or request, or as provided in § 2.102(d)(3). Nontimely filings will not be entertained absent a determination by the Commission, the presiding officer or the atomic safety and licensing board designated to rule on the petition and/or request, that the petition and/or request should be granted based upon a balancing of the following factors in addition to those set out in paragraph (d)(1) of this section:

(i) Good cause, if any, for failure to file on time.

(ii) The availability of other means whereby the petitioner's interest will be protected.

(iii) The extent to which the petitioner's participation may reasonably be expected to assist in developing a sound record.

(iv) The extent to which the petitioner's interest will be represented by existing parties.

(v) The extent to which the petitioner's participation will broaden the issues or delay the proceeding.

(2) The petition shall set forth with particularity the interest of the petitioner in the proceeding, how that interest may be affected by the results of the proceeding, including the reasons why petitioner should be permitted to intervene, with particular reference to the factors in paragraph(d)(1) of this section, and the specific aspect or aspects of the subject matter of the proceeding as to which petitioner wishes to intervene.

(3) Any person who has filed a petition for leave to intervene or who has been admitted as a party pursuant to this section may amend his petition for leave to intervene. A petition may be amended without prior approval of the presiding officer at any time up to fifteen (15) days prior to the holding of the special prehearing conference pursuant to § 2.751a, or where no special prehearing conference is held, fifteen (15) days prior to the holding of the first prehearing conference. After this time a petition may be amended only with approval of the presiding officer, based on a balancing of the factors specified in paragraph (a)(1) of this section. Such an amended petition for leave to intervene must satisfy the requirements of this paragraph (a) of this section pertaining to specificity.

(b)(1) Not later than fifteen (15) days prior to the holding of the special prehearing conference pursuant to § 2.751a, or if no special prehearing conference is held, fifteen (15) days prior to the holding of the first prehearing conference, the petitioner shall file a supplement to his or her petition to intervene that must include a list of the contentions which petitioner seeks to have litigated in the hearing. A petitioner who fails to file a supplement that satisfies the requirements of paragraph (b)(2) of this section with respect to at least one contention will not be permitted to participate as a party. Additional time for filing the supplement may be granted based upon a balancing of the factors in paragraph (a)(1) of this section.

(2) Each contention must consist of a specific statement of the issue of law or fact to be raised or controverted.

In addition, the petitioner shall provide the following information with respect to each contention:

(i) A brief explanation of the bases of the contention.

(ii) A concise statement of the alleged facts or expert opinion which support the contention and on which the petitioner intends to rely in proving the contention at the hearing, together with references to those specific sources and documents of which the petitioner is aware and on which the petitioner intends to rely to establish those facts or expert opinion.

(iii) Sufficient information (which may include information pursuant to paragraphs (b)(2)(i) and (ii) of this section) to show that a genuine dispute exists with the applicant on a material issue of law or fact. This showing must include references to the specific portions of the application (including the applicant's environmental report and safety report) that the petitioner disputes and the supporting reasons for each dispute, or, if the petitioner believes that the application fails to contain information on a relevant matter as required by law, the identification of each failure and the supporting reasons for the petitioner's belief. On issues arising under the National Environmental Policy Act, the petitioner shall file contentions based on the applicant's environmental report. The petitioner can amend those contentions or file new contentions if there are data or conclusions in the NRC draft or final environmental impact statement, environmental assessment, or any supplements relating thereto, that differ significantly from the data or conclusions in the applicant's document.

(c) Any party to a proceeding may file an answer to a petition for leave to intervene or a supplement thereto within ten (10) days after service of the petition or supplement, with particular attention

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to the factors set forth in paragraph (d)(1) of this section. The staff may file such an answer within fifteen (15) days after service of the petition or supplement.

(d) The Commission, the presiding officer, or the Atomic Safety and Licensing Board designated to rule on petitions to intervene and/or requests for hearing shall permit intervention, in any hearing on an application for a license to receive and possess high-level radioactive waste at a geologic repository operations area, by the State in which such area is located and by any affected Indian Tribe as defined in part 60 of this chapter. In all other circumstances, such ruling body or officer shall, in ruling on--

(1) A petition for leave to intervene or a request for a hearing, consider the following factors, among other things:

(i) The nature of the petitioner's right under the Act to be made a party to the proceeding.

(ii) The nature and extent of the petitioner's property, financial, or other interest in the proceeding.

(iii) The possible effect of any order that may be entered in the proceeding on the petitioner's interest.

(2) The admissibility of a contention, refuse to admit a contention if:

(i) The contention and supporting material fail to satisfy the requirements of paragraph (b)(2) of this section; or

(ii) The contention, if proven, would be of no consequence in the proceeding because it would not entitle petitioner to relief.

(e) If the Commission or the presiding officer determines that any of the admitted contentions constitute pure issues of law, those contentions must be decided on the basis of briefs or oral argument according to a schedule determined by the Commission or presiding officer.

(f) An order permitting intervention and/or directing a hearing may be conditioned on such terms as the Commission, presiding officer or the designated atomic safety and licensing board may direct in the interests of:

- (1) Restricting irrelevant, duplicative, or repetitive evidence and argument,
(2) having common interests represented by a spokesman, and (3) retaining authority to determine priorities and control the compass of the hearing.

(g) In any case in which, after consideration of the factors set forth in paragraph (d)(1) of this section, the Commission or the presiding officer finds that the petitioner's interest is limited to one or more of the issues involved in the proceeding, any order allowing intervention shall limit his participation accordingly.

(h) A person permitted to intervene becomes a party to the proceeding, subject to any limitations imposed pursuant to paragraph (f) of this section.

(i) Unless otherwise expressly provided in the order allowing intervention, the granting of a petition for leave to intervene does not change or enlarge the issues specified in the notice of hearing.

(j) The provisions of this section do not apply to license applications docketed under subpart J of this part.

§ 2.714a Petitions for review of certain rulings on petitions for leave to intervene and/or requests for hearing.

(a) Notwithstanding the provisions of § 2.730(f), an order of the presiding officer or the atomic safety and licensing board designated to rule on petitions for leave to intervene and/or requests for hearing may be appealed, in accordance with the provisions of this section, to the Commission within ten (10) days after service of the order. The appeal shall be asserted by the filing of a notice of appeal and accompanying supporting brief. Any other party may file a brief in support of or in opposition to the appeal within ten (10) days after service of the appeal. No other appeals from rulings on petitions and/or requests for hearing shall be allowed.

(b) An order wholly denying a petition for leave to intervene and/or request for a hearing is appealable by the petitioner on the question whether the petition and/or hearing request should have been granted in whole or in part.

(c) An order granting a petition for leave to intervene and/or request for a hearing is appealable by a party other than the petitioner on the question whether the petition and/or the request for a hearing should have been wholly denied.

§ 2.715 Participation by a person not a party.

(a) A person who is not a party may, in the discretion of the presiding officer, be permitted to make a limited appearance by making oral or written statement of his position on the issues at any session of the hearing or any prehearing conference within such limits and on such conditions as may be fixed by the presiding officer, but he may not otherwise participate in the proceeding.

(b) The Secretary will give notice of a hearing to any person who requests it prior to the issuance of the notice of hearing, and will furnish a copy of the notice of hearing to any person who requests it thereafter. When a communication bears more than one signature, the Commission will give the notice to the person first signing unless the communication clearly indicates otherwise.

(c) The presiding officer will afford representatives of an interested State, county, municipality, and/or agencies thereof, a reasonable opportunity to

participate and to introduce evidence, interrogate witnesses, and advise the Commission without requiring the representative to take a position with respect to the issue. Such participants may also file proposed findings and exceptions pursuant to §§ 2.754 and 2.762 and petitions for review by the Commission pursuant to § 2.786. The presiding officer may require such representative to indicate with reasonable specificity, in advance of the hearing, the subject matters on which he desires to participate.

(d) If a matter is taken up by the Commission pursuant to § 2.786 or sua sponte, a person who is not a party may, in the discretion of the Commission, respectively, be permitted to file a brief "amicus curiae". A person who is not a party and desires to file a brief must submit a motion for leave to do so which identifies the interest of the person and states the reasons why a brief is desirable. Except as otherwise provided by the Commission

such brief must be filed within the time allowed to the party whose position the brief will support. A motion of a person who is not a party to participate in oral argument before or the Commission will be granted at the discretion of the Commission.

§ 2.715a Consolidation of parties in construction permit or operating license proceedings.

On motion or on its or his own initiative, the Commission or the presiding officer may order any parties in a proceeding for the issuance of a construction permit or an operating license for a production or utilization facility who have substantially the same interest that may be affected by the proceeding and who raise substantially the same questions, to consolidate their presentation of evidence, cross-examination, briefs, proposed findings of fact, and conclusions of law and argument. However, it may not order any consolidation that would prejudice the rights of any party. A consolidation under this section may be for all purposes of the proceeding, all of the issues of the proceeding, or with respect to any one or more issues thereof.

§ 2.716 Consolidation of proceedings.

On motion and for good cause shown or on its own initiative, the Commission or the presiding officers of each affected proceeding may consolidate for hearing or for other purposes two or more proceedings, or may hold joint hearings with interested States and/or other federal agencies on matters of concurrent jurisdiction, if it is found that such action will be conducive to the proper dispatch of its business and to the ends of justice and will be conducted in accordance with the other provisions of this subpart.

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56 FR 29403

37 FR 28710

37 FR 17798

28 FR 10151

43 FR 17798

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37 FR 15127

43 FR 17798

§ 2.717 Commencement and termination of jurisdiction of presiding officer.

(a) Unless otherwise ordered by the Commission, the jurisdiction of the presiding officer designated to conduct a hearing over the proceeding, including motions and procedural matters, commences when the proceeding commences. If no presiding officer has been designated, the Chief Administrative Law Judge has such jurisdiction or, if he is unavailable, another administrative law judge has such jurisdiction.

A proceeding is deemed to commence when a notice of hearing or a notice of proposed action pursuant to § 2.105 is issued.

When a notice of hearing provides that the presiding officer is to be an administrative law judge, the Chief Administrative Law Judge will designate by order the administrative law judge who is to preside. The presiding officer's jurisdiction in each proceeding will terminate upon the expiration of the period within which the Commission may direct that the record be certified to it for final decision, or when the Commission renders a final decision, or when the presiding officer shall have withdrawn himself from the case upon considering himself disqualified, whichever is earliest.

(b) The Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, may issue an order and take any otherwise proper administrative action with respect to a licensee who is a party to a pending proceeding. Any order related to the subject matter of the pending proceeding may be modified by the presiding officer as appropriate for the purpose of the proceeding.

§ 2.718 Power of presiding officer.

A presiding officer has the duty to conduct a fair and impartial hearing according to law, to take appropriate action to avoid delay, and to maintain order. He has all powers necessary to those ends, including the powers to

- (a) Administer oaths and affirmations.
- (b) Issue subpoenas authorized by law.
- (c) Rule on offers of proof, and receive evidence.
- (d) Order depositions to be taken
- (e) Regulate the course of the hearing and the conduct of the participants
- (f) Dispose of procedural requests or similar matters.
- (g) Examine witnesses.
- (h) Hold conferences before or during the hearing for settlement, simplification of the issues, or any other proper purpose.

(i) Certify questions to the Commission for its determination, either in his discretion or on direction of the Commission.

(j) Reopen a proceeding for the reception of further evidence at any time prior to initial decision.

(k) Appoint special assistants from the Atomic Safety and Licensing Board Panel pursuant to § 2.722;

(l) Issue initial decisions; and

(m) Take any other action consistent with the Act, this chapter, and sections 551-558 of title 5 of the United States Code.

§ 2.719 [Removed] 53 FR 10360

§ 2.720 Subpoenas.

(a) On application by any party, the designated presiding officer or, if he is not available, the Chairman of the Atomic Safety and Licensing Board Panel, the Chief Administrative Law Judge or other designated officer will issue subpoenas requiring the attendance and testimony of witnesses or the production of evidence. The officer to whom application is made may require a showing of general relevance of the testimony or evidence sought, and may withhold the subpoena if such a showing is not made, but he shall not attempt to determine the admissibility of evidence.

(b) Every subpoena will bear the name of the Commission, the name and office of the issuing officer and the title of the hearing, and will command the person to whom it is directed to attend and give testimony or produce specified documents or other things at a designated time and place. The subpoena will also advise of the quashing procedure provided in paragraph (f) of this section.

(c) Unless the service of a subpoena is acknowledged on its face by the witness or is served by an officer or employee of the Commission, it shall be served by a person who is not a party to the hearing and is not less than eighteen (18) years of age. Service of a subpoena shall be made by delivery of a copy of the subpoena to the person named in it and tendering him the fees for one day's attendance and the mileage allowed by law. When the subpoena is issued on behalf of the Commission, fees and mileage need not be tendered, and the subpoena may be served by registered mail

(d) Witnesses summoned by subpoena shall be paid, by the party at whose instance they appear, the fees and mileage paid to witnesses in the district courts of the United States.

(e) The person serving the subpoena shall make proof of service by filing the subpoena and affidavit or acknowledgment of service with the officer before

whom the witness is required to testify or produce evidence or with the Secretary. Failure to make proof of service shall not affect the validity of the service.

(f) On motion made promptly, and in any event at or before the time specified in the subpoena for compliance by the person to whom the subpoena is directed, and on notice to the party at whose instance the subpoena was issued the presiding officer or, if he is unavailable, the Commission may (1) quash or modify the subpoena if it is unreasonable or requires evidence not relevant to any matter in issue, or (2) condition denial of the motion on just and reasonable terms.

(g) On application and for good cause shown, the Commission will seek judicial enforcement of a subpoena issued to a party and which has not been quashed.

(h)(1) The provisions of paragraphs (a) through (g) of this section are not applicable to the attendance and testimony of the Commissioners or NRC personnel, or to the production of records or documents in the custody thereof.

(2)(i) In a proceeding in which the NRC is a party, the NRC staff will make available one or more witnesses designated by the Executive Director for Operations for oral examination at the hearing or on deposition regarding any matter, not privileged, which is relevant to the issues in the proceeding. The attendance and testimony of the Commis-

38 FR 2330

37 FR 28710

31 FR 12774

28 FR 10151

27 FR 377

27 FR 377

45 FR 62021

31 FR 100309

27 FR 377

27 FR 377

35 FR 19600

40 FR 2873

sioners and named NRC personnel at a hearing or on deposition may not be required by the presiding officer, by subpoena or otherwise: *Provided*, That the presiding officer may, upon a showing of exceptional circumstances, such as a case in which a particular named NRC employee has direct personal knowledge of a material fact not known to the witnesses made available by the Executive Director for Operations require the attendance and testimony of named NRC personnel.

(ii) In addition, a party may file with the presiding officer written interrogatories to be answered by NRC personnel with knowledge of the facts designated by the Executive Director for Operations. Upon a finding by the presiding officer that answers to the interrogatories are necessary to a proper decision in the proceeding and that answers to the interrogatories are not reasonably obtainable from any other source, the presiding officer may require that the staff answer the interrogatories.

(iii) No deposition of a particular named NRC employee or answer to interrogatories by NRC personnel pursuant to paragraphs (h) (2) (i) and (ii) of this section shall be required before the matters in controversy in the proceeding have been identified by order of the Commission or the presiding officer, pursuant to § 2.751a, or after the beginning of the prehearing conference held pursuant to § 2.752 except upon leave of the presiding officer for good cause shown.

(iv) The provisions of § 2.740(c) and (e) shall apply to interrogatories served pursuant to this subparagraph.

(3) Records or documents in the custody of the Commissioners and NRC personnel are available for inspection and copying or photographing pursuant to §§ 2.744 and 2.790.

§ 2.721 Atomic safety and licensing boards.

(a) The Commission or the Chairman of the Atomic Safety and Licensing Board Panel may from time to time establish one or more atomic safety and licensing boards, each comprised of three members, one of whom will be qualified in the conduct of administrative proceedings and two of whom shall have such technical or other qualifications as the Commission or the Chairman of the Atomic Safety and Licensing Board Panel deems appropriate to the issues to be decided, to preside in such proceedings for granting, suspending, revoking, or amending licenses or authorizations as the Commission may designate, and to perform such other adjudicatory functions as the Commission deems appropriate. The members of an atomic safety and licensing board shall

be designated from the Atomic Safety and Licensing Board Panel established by the Commission.

(b) The Commission or the Chairman of the Atomic Safety and Licensing Board Panel may designate an alternate qualified in the conduct of administrative proceedings, or an alternate having technical or other qualifications, or both, for an atomic safety and licensing board established pursuant to paragraph (a) of this section. If a member of a board becomes unavailable, the Commission or the Chairman of the Atomic Safety and Licensing Board Panel may constitute the alternate qualified in the conduct of administrative proceedings, or the alternate having technical or other qualifications, as appropriate, as a member of the board by notifying the alternate who will, as of the date of such notification, serve as member of the board. In the event that an alternate is unavailable or no alternates have been designated, and a member of a board becomes unavailable, the Commission or the Chairman of the Atomic Safety and Licensing Board Panel may appoint a member of the Atomic Safety and Licensing Board Panel who is qualified in the conduct of administrative proceedings or a member having technical or other qualifications, as appropriate, as a member of the atomic safety and licensing board by notifying the appointee who will, as of the date of such notification, serve as a member of the board.

(c) An atomic safety and licensing board shall have the duties and may exercise the powers of a presiding officer as granted by § 2.718 and otherwise in this part. At any time when such a board is in existence but is not actually in session, any powers which could be exercised by a presiding officer or by the Chief Administrative Law Judge may be exercised with respect to such a proceeding by the chairman of the board having jurisdiction over it.

Two members of an atomic safety and licensing board constitute a quorum, if one of those members is the member qualified in the conduct of administrative proceedings.

§ 2.722 Special assistants to the presiding officer.

(a) In consultation with the Panel Chairman, the presiding officer may, at his discretion, appoint from the Atomic Safety and Licensing Board Panel established by the Commission, personnel to assist the presiding officer in taking evidence and preparing a suitable record for review. Such

appointment may occur at any appropriate time during the proceeding but shall, at the time of the appointment, be subject to the notice and disqualification provisions as described in § 2.704. Such special assistants may function as:

(1) Technical interrogators in their individual fields of expertise. Such interrogators shall be required to study the written testimony and sit with the presiding officer to hear the presentation and cross-examination by the parties of all witnesses on the issues of the interrogators' expertise, taking a leading role in examining such witnesses to ensure that the record is as complete as possible;

(2) Upon consent of all the parties, Special Masters to hear evidentiary presentations by the parties on specific technical matters, and, upon completion of the presentation of evidence, to prepare a report that would become part of the record. Special Masters may rule on evidentiary issues brought before them, in accordance with §§ 2.743 and 2.757. Appeals from such rulings may be taken to the presiding officer in accordance with procedures which shall be established in the presiding officer's order appointing the Special Master. Special Masters' reports are advisory only; the presiding officer shall retain final authority with respect to the issues heard by the Special Master; or

(3) Alternate Atomic Safety and Licensing Board members to sit with the presiding officer, to participate in the evidentiary sessions on the issue for which the alternate members were designated by examining witnesses, and to advise the presiding officer of their conclusions through an on-the-record report. This report is advisory only; the presiding officer shall retain final authority on the issue for which the alternate member was designated.

(4) Discovery Master to rule on the matters specified in § 2.1018(a)(2) of this part.

(b) The presiding officer may, as a matter of discretion, informally seek the assistance of Members of the Atomic Safety and Licensing Board Panel to brief the presiding officer on the general technical background of subjects involving complex issues which the presiding officer might otherwise have difficulty in quickly grasping. Such informal briefings shall take place prior to the hearing on the subject involved and shall supplement the reading and study undertaken by the presiding officer. They are not subject to the procedures described in § 2.704.

40 FR 2973
45 FR 1925
37 FR 15127
37 FR 2870
45 FR 6207

40 FR 51995
45 FR 6207
38 FR 29403
64 FR 14925
45 FR 6207

MOTIONS

§ 2.730 Motions.

(a) *Presentation and disposition.* All motions shall be addressed to the Commission or, when a proceeding is pending before a presiding officer, to the presiding officer. All written motions shall be filed with the Secretary, and served on all parties to the proceeding.

(b) *Form and content.* Unless made orally on the record during a hearing, or the presiding officer directs otherwise, a motion shall be in writing, shall state with particularity the grounds and the relief sought, and shall be accompanied by any affidavits or other evidence relied on, and, as appropriate, a proposed form of order.

(c) *Answers to motions.* Within ten (10) days after service of a written motion, or such other period as the Secretary or the Assistant Secretary or presiding officer may prescribe, a party may file an answer in support of or in opposition to the motion, accompanied by affidavits or other evidence. However, the staff may file such an answer within fifteen (15) days after service of a written motion. The moving party shall have no right to reply, except as permitted by the presiding officer or the Secretary or the Assistant Secretary.

(d) *Oral arguments; briefs.* No oral argument will be heard on a motion unless the presiding officer or the Commission directs otherwise. A written brief may be filed with a motion or an answer to a motion, stating the arguments and authorities relied on.

(e) The Board may dispose of written motions either by written order or by ruling orally during the course of a prehearing conference or hearing. The Board should ensure that parties not present for the oral ruling are notified promptly of the order.

(f) *Interlocutory appeals to the Commission.* No interlocutory appeal may be taken to the Commission from a ruling of the presiding officer. When in the judgment of the presiding officer prompt decision is necessary to prevent detriment to the public interest or unusual delay or expense, the presiding officer may refer the ruling promptly to the Commission, and notify the parties either by announcement on the record or by written notice if the hearing is not in session.

(g) *Effect of filing a motion or certification of question to the Commission.* Unless otherwise ordered, neither the filing of a motion nor the certification of a question to the Commission shall stay the proceeding or extend the time for the performance of any act.

(h) Where the motion in question is a motion to compel discovery under § 2.720(h)(2) or § 2.740(f), parties may file answers to the motion pursuant to paragraph (c) of this section. The presiding officer in his or her discretion, may order that the answer be given orally during a telephone conference or other prehearing conference, rather than in writing. If responses are given over the telephone the presiding officer shall issue a written order on the motion which summarizes the views presented by the parties. This does not preclude the presiding officer from issuing a prior oral ruling on the matter which is effective at the time of such ruling, provided that the terms of the ruling are incorporated in the subsequent written order.

§ 2.731 Order of procedure.

The presiding officer or the Commission will designate the order of procedure at a hearing. The proponent of an order will ordinarily open and close.

§ 2.732 Burden of proof.

Unless otherwise ordered by the presiding officer, the applicant or the proponent of an order has the burden of proof.

§ 2.733 Examination by experts.

A party may request the presiding officer to permit a qualified individual, who has scientific or technical training or experience to participate on behalf of that party in the examination and cross-examination of expert witnesses. The presiding officer may permit such individual to participate on behalf of the party in the examination and cross-examination of expert witnesses, where it would serve the purpose of furthering the conduct of the proceeding, upon finding (a) that the individual is qualified by scientific or technical training or experience to contribute to the development of an adequate decisional record in the proceeding by the conduct of such examination or cross-examination, (b) that the individual has read any written testimony on which he intends to examine or cross-examine and any documents to be used or referred to in the course of the examination or cross-examination, and (c) that the individual has prepared himself to conduct a meaningful and expeditious examination or cross-examination. Examination or cross-examination conducted pursuant to this section shall be limited to areas within the expertise of the individual conducting the examination or cross-examination. The party on behalf of whom such examination or cross-

examination is conducted and his attorney shall be responsible for the conduct of examination or cross-examination by such individuals.

§ 2.734 Motions to Reopen.

(a) A motion to reopen a closed record to consider additional evidence will not be granted unless the following criteria are satisfied:

(1) The motion must be timely, except that an exceptionally grave issue may be considered in the discretion of the presiding officer even if untimely presented.

(2) The motion must address a significant safety or environmental issue.

(3) The motion must demonstrate that a materially different result would be or would have been likely had the newly proffered evidence been considered initially.

(b) The motion must be accompanied by one or more affidavits which set forth the factual and/or technical bases for the movant's claim that the criteria of paragraph (a) of this section have been satisfied. Affidavits must be given by competent individuals with knowledge of the facts alleged, or by experts in the disciplines appropriate to the issues raised. Evidence contained in affidavits must meet the admissibility standards set forth in § 2.743(c). Each of the criteria must be separately addressed, with a specific explanation of why it has been met. Where multiple allegations are involved, the movant must identify with particularity each issue it seeks to litigate and specify the factual and/or technical bases which it believes support the claim that this issue meets the criteria in paragraph (a) of this section.

(c) A motion predicated in whole or in part on the allegations of a confidential informant must identify to the presiding officer the source of the allegations and must request the issuance of an appropriate protective order.

(d) A motion to reopen which relates to a contention not previously in controversy among the parties must also satisfy the requirements for nontimely contentions in § 2.714(a)(1)(i-v).

DEPOSITIONS AND WRITTEN INTERROGATORIES; DISCOVERY; ADMISSION; EVIDENCE

§ 2.740 General provisions governing discovery.

(a) *Discovery methods.* Parties may obtain discovery by one or more of the following methods: Depositions upon oral examination or written interrogatories (§ 2.740a); written interrogatories (§ 2.740b); production of documents or things or permission to enter upon land or other property, for inspection and other purposes (§ 2 and requests for admission (§ 2.74

39 FR 24219
46 FR 58279
43 FR 17798
27 FR 377
46 FR 30328
37 FR 15127
28 FR 10151

51 FR 19535

51 FR 23823

51 FR 19535

37 FR 15127

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37 FR 15127

(b) *Scope of discovery.* Unless otherwise limited by order of the presiding officer in accordance with this section, the scope of discovery is as follows:

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(1) *In general.* Parties may obtain discovery regarding any matter, not privileged, which is relevant to the subject matter involved in the proceeding, whether it relates to the claim or defense of any other party, including the existence, description, nature, custody, condition, and location of any books, documents, or other tangible things and the identity and location of persons having knowledge of any discoverable matter. Where any book, document or other tangible thing sought is reasonably available from another source, such as from the Commission's Public Document Room or local Public Document Room, a sufficient response to an interrogatory involving such materials would be the location, the title and a page reference to the relevant book, document or tangible thing. In a proceeding on an application for a construction permit or an operating license for a production or utilization facility, discovery shall begin only after the prehearing conference provided for in § 2.751a and shall relate only to those matters in controversy which have been identified by the Commission or the presiding officer in the prehearing order entered at the conclusion of that prehearing.

conference. In such a proceeding, no discovery shall be had after the beginning of the prehearing conference held pursuant to § 2.752 except upon leave of the presiding officer upon good cause shown. It is not ground for objection that the information sought will be inadmissible at the hearing if the information sought appears reasonably calculated to lead to the discovery of admissible evidence.

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(2) *Trial preparation materials.* A party may obtain discovery of documents and tangible things otherwise discoverable under subparagraph (1) of this paragraph and prepared in anticipation of or for the hearing by or for another party's representative (including his attorney, consultant, surety, indemnitor, insurer, or agent) only upon a showing that the party seeking discovery has substantial need of the materials in the preparation of his case and that he is unable without undue hardship to obtain the substantial equivalent of the materials by other means. In ordering discovery of such materials when the required showing has been made, the presiding officer shall protect against disclosure of the mental impressions, conclusions, opinions, or legal theories of an attorney or other representative of a party concerning the proceeding.

(3) While interrogatories may seek to elicit factual information reasonably related to a party's position in the proceeding, including data used, assumptions made, and analyses performed by the party, such interrogatories may not be addressed to, or be construed to require: (A) Reasons for not using alternative data, assumptions, and analyses where the alternative data, assumptions, and analyses were not relied on in developing the party's position; or (B) Performance of additional research or analytical work beyond that which is needed to support the party's position on any particular matter.

(c) *Protective order.* Upon motion by a party or the person from whom discovery is sought, and for good cause shown, the presiding officer may make any order which justice requires to protect a party or person from annoyance, embarrassment, oppression, or undue burden or expense, including one or more of the following: (1) That the discovery not be had; (2) that the discovery may be had only on specified terms and conditions, including a designation of the time or place; (3) that the discovery may be had only by a method of discovery other than that selected by the party seeking discovery; (4) that certain matters not be inquired into, or that the scope of discovery be limited to certain matters; (5) that

discovery be conducted with no one present except persons designated by the presiding officer; (6) that, subject to the provisions of §§ 2.744 and 2.790, a trade secret or other confidential research, development, or commercial information not be disclosed or be disclosed only in a designated way; (7) that studies and evaluations not be prepared. If the motion for a protective order is denied in whole or in part, the presiding officer may, on such terms and conditions as are just, order that any party or person provide or permit discovery.

(d) *Sequence and timing of discovery.* Unless the presiding officer upon motion, for the convenience of parties and witnesses and in the interests of justice, orders otherwise, methods of discovery may be used in any sequence and the fact that a party is conducting discovery, whether by deposition or otherwise, shall not operate to delay any other party's discovery.

(e) *Supplementation of responses.* A party who has responded to a request for discovery with a response that was complete when made is under no duty to supplement his response to include information thereafter acquired, except as follows:

(1) A party is under a duty seasonably to supplement his response with respect to any question directly addressed to (i) the identity and location of persons having knowledge of discoverable matters, and (ii) the identity of each person expected to be called as an expert witness at the hearing, the subject matter on which he is expected to testify, and the substance of his testimony.

(2) A party is under a duty seasonably to amend a prior response if he obtains information upon the basis of which (i) he knows that the response was incorrect when made, or (ii) he knows that the response though correct when made is no longer true and the circumstances are such that a failure to amend the response is in substance a knowing concealment.

(3) A duty to supplement responses may be imposed by order of the presiding officer or agreement of the parties.

(f) *Motion to compel discovery.* (1) If a deponent or party upon whom a request for production of documents or answers to interrogatories is served fails to respond or objects to the request, or any part thereof, or fails to permit inspection as requested, the deposing party or the party submitting the request may move the presiding officer, within ten (10) days after the date of the response or after failure of a party to respond to the request for an order compelling a response or inspection in accordance with the request. The motion shall set forth the nature of the questions or the

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request, the response or objection of the party upon whom the request was served, and arguments in support of the motion. For purposes of this paragraph, an evasive or incomplete answer or response shall be treated as a failure to answer or respond. Failure to answer or respond shall not be excused on the ground that the discovery sought is objectionable unless the person or party failing to answer or respond has applied for a protective order pursuant to paragraph (c) of this section.

(2) In ruling on a motion made pursuant to this section, the presiding officer may make such a protective order as he is authorized to make on a motion made pursuant to paragraph (c) of this section.

(3) This section does not preclude an independent request for issuance of a subpoena directed to a person not a party for production of documents and things. This section does not apply to requests for the testimony or interrogatories of the regulatory staff pursuant to § 2.720 (h) (2) or production of NRC documents pursuant to § 2.744 or § 2.790, except for paragraphs (c) and (e) of this section.

§ 2.740a Depositions upon oral examination and upon written interrogatories.

(a) Any party desiring to take the testimony of any party or other person by deposition on oral examination or written interrogatories shall, without leave of the Commission or the presiding officer, give reasonable notice in writing to every other party, to the person to be examined and to the presiding officer of the proposed time and place of taking the deposition; the name and address of each person to be examined, if known, or if the name is not known, a general description sufficient to identify him or the class or group to which he belongs; the matters upon which each person will be examined and the name or descriptive title and address of the officer before whom the deposition is to be taken.

(b) [Deleted 37 FR 15127.]

(c) Within the United States, a deposition may be taken before any officer authorized to administer oaths by the laws of the United States or of the place where the examination is held. Outside of the United States, a deposition may be taken before a secretary of an embassy or legation, a consul general, vice consul or consular agent of the United States, or a person authorized to administer oaths designated by the Commission.

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(d) The deponent shall be sworn or shall affirm before any questions are put to him. Examination and cross-examination shall proceed as at a hearing. Each question propounded shall be recorded and the answer taken down in the words of the witness. Objections on questions of evidence shall be noted in short form without the arguments. The officer shall not decide on the competency, materiality, or relevance of evidence but shall record the evidence subject to objection. Objections on questions of evidence not made before the officer shall not be deemed waived unless the ground of the objection is one which might have been obviated or removed if presented at that time.

(e) When the testimony is fully transcribed, the deposition shall be submitted to the deponent for examination and signature unless he is ill or cannot be found or refuses to sign. The officer shall certify the deposition or, if the deposition is not signed by the deponent, shall certify the reasons for the failure to sign, and shall promptly forward the deposition by registered mail to the Commission.

(f) Where the deposition is to be taken on written interrogatories, the party taking the deposition shall serve a copy of the interrogatories, showing each interrogatory separately and consecutively numbered, on every other party with a notice stating the name and address of the person who is to answer them, and the name, description, title, and address of the officer before whom they are to be taken. Within ten (10) days after service, any other party may serve cross-interrogatories. The interrogatories, cross-interrogatories, and answers shall be recorded and signed, and the deposition certified, returned, and filed as in the case of a deposition on oral examination.

(g) A deposition will not become a part of the record in the hearing unless received in evidence. If only part of a deposition is offered in evidence by a party, any other party may introduce any other parts. A party shall not be deemed to make a person his own witness for any purpose by taking his deposition.

(h) A deponent whose deposition is taken and the officer taking a deposition shall be entitled to the same fees as are paid for like services in the district courts of the United States, to be paid by the party at whose instance the deposition is taken.

(i) The witness may be accompanied, represented, and advised by legal counsel.

(j) The provisions of paragraphs (a) through (i) of this section are not applicable to NRC personnel. Testimony of NRC personnel by oral examination and written interrogatories addressed to NRC personnel are subject to the provisions of § 2.720(h).

§ 2.740b Interrogatories to parties.

(a) Any party may serve upon any other party (other than the staff)⁶ written interrogatories to be answered in writing by the party served, or if the party served is a public or private corporation or a partnership or association, by any officer or agent, who shall furnish such information as is available to the party. A copy of the interrogatories, answers, and all related pleadings shall be filed with the Secretary of the Commission and shall be served on the presiding officer and upon all parties to the proceeding.

(b) Each interrogatory shall be answered separately and fully in writing under oath or affirmation, unless it is objected to, in which event the reasons for objection shall be stated in lieu of an answer. The answers shall be signed by the person making them, and the objections by the attorney making them. The party upon whom the interrogatories were served shall serve a copy of the answers and objections upon all parties to the proceeding within 14 days after service of the interrogatories, or within such shorter or longer period as the presiding officer may allow. Answers may be used in the same manner as depositions (see § 2.740a(g)).

§ 2.741 Production of documents and things and entry upon land for inspection and other purposes.

(a) *Request for discovery.* Any party may serve on any other party a request to:

(1) Produce and permit the party making the request, or a person acting on his behalf, to inspect and copy any designated documents, or to inspect and copy, test, or sample any tangible things which are within the scope of § 2.740 and which are in the possession, custody, or control of the party upon whom the request is served; or

(2) Permit entry upon designated land or other property in the possession or control of the party upon whom the request is served for the purpose of inspection and measuring, surveying, photographing, testing, or sampling the property or any designated object or operation thereon, within the scope of §

⁶Interrogatories addressed to the staff are subject to § 2.720(h)(2)(ii).

2.740.

(b) *Service.* The request may be served on any party without leave of the Commission or the presiding officer. Except as otherwise provided in § 2.740, the request may be served after the proceeding is set for hearing.

(c) *Contents.* The request shall set forth the items to be inspected either by individual item or by category, and describe each item and category with reasonable particularity. The request shall specify a reasonable time, place, and manner of making the inspection and performing the related acts.

(d) *Response.* The party upon whom the request is served shall serve on the party submitting the request a written response within thirty (30) days after the service of the request. The response shall state, with respect to each item or category, that inspection and related activities will be permitted as requested, unless the request is objected to, in which case the reasons for objection shall be stated. If objection is made to part of an item or category, the part shall be specified.

(e) *NRC records and documents.* The provisions of paragraphs (a) through (d) of this section do not apply to the production for inspection and copying or photographing of NRC records or documents. Production of such records or documents is subject to the provisions of §§ 2.744 and 2.790.

§ 2.742 Admissions.

(a) Apart from any admissions made during or as a result of a prehearing conference, at any time after his answer has been filed, a party may file a written request for the admission of the genuineness and authenticity of any relevant document described in or attached to the request, or for the admission of the truth of any specified relevant matter of fact. A copy of the document shall be delivered with the request unless a copy has already been furnished.

(b) Each requested admission shall be deemed made unless, within a time designated by the presiding officer or the Commission, and not less than ten (10) days after service of the request or such further time as may be allowed on motion, the party to whom the request is directed serves on the requesting party either (1) a sworn statement denying specifically the relevant matters of which an admission is requested or setting forth in detail the reasons why he can neither truthfully admit nor deny them, or (2) written objections on the ground that some or all of the matters involved are privileged or irrelevant or that the re-

quest is otherwise improper in whole or in part. Answers on matters to which such objections are made may be deferred until the objections are determined. If written objections are made to only a part of a request, the remainder of the request shall be answered within the time designated.

(c) Admissions obtained pursuant to the procedure in this section may be used in evidence to the same extent and subject to the same objections as other admissions.

§ 2.743 Evidence.

(a) General. Every party to a proceeding shall have the right to present such oral or documentary evidence and rebuttal evidence and to conduct, in accordance with an approved cross-examination plan that contains the information specified in paragraph (b)(2) of this section if so directed by the presiding officer, such cross-examination as may be required for full and true disclosure of the facts.

(b)(1) Testimony and cross-examination. The parties shall submit direct testimony of witnesses in written form, unless otherwise ordered by the presiding officer on the basis of objections presented. In any proceeding in which advance written testimony is to be used, each party shall serve copies of its proposed written testimony on each other party at least fifteen (15) days in advance of the session of the hearing at which its testimony is to be presented. The presiding officer may permit the introduction of written testimony not so served, either with the consent of all parties present or after they have had a reasonable opportunity to examine it. Written testimony must be incorporated into the transcript of the record as if read or, in the discretion of the presiding officer, may be offered and admitted in evidence as an exhibit.

(2) The presiding officer may require a party seeking an opportunity to cross-examine to request permission to do so in accordance with a schedule established by the presiding officer. A request to conduct cross-examination shall be accompanied by a cross-examination plan that contains the following information:

(i) A brief description of the issue or issues on which cross-examination will be conducted;

(ii) The objective to be achieved by cross-examination; and

(iii) The proposed line of questions that may logically lead to achieving the objective of the cross-examination. The cross-examination plan may be submitted only to the presiding officer and must be kept by the presiding officer in confidence until issuance of the initial decision on the issue being litigated. The presiding officer shall then provide each cross-examination plan to the Commission's Secretary for inclusion in the official record of the proceeding.

(3) Paragraphs (b)(1) and (2) of this section do not apply to proceedings under subpart B of this part for modification, suspension, or revocation of a license or to proceedings for imposition of a civil penalty.

(c) Admissibility. Only relevant, material, and reliable evidence which is not unduly repetitious will be admitted. Immaterial or irrelevant parts of an admissible document will be segregated and excluded so far as is practicable.

(d) Objections. An objection to evidence shall briefly state the grounds of objection. The transcript shall include the objection, the grounds, and the ruling. Exception to an adverse ruling is preserved without notation on the record.

(e) Offer of proof. An offer of proof made in connection with an objection to a ruling of the presiding officer excluding or rejecting proffered oral testimony shall consist of a statement of the substance of the proffered evidence. If the excluded evidence is written, a copy shall be marked for identification. Rejected exhibits, adequately marked for identification, shall be retained in the record.

(f) Exhibits. A written exhibit will not be received in evidence unless the original and two copies are offered and a copy is furnished to each party, or the parties have been previously furnished with copies or the presiding officer directs otherwise. The presiding officer may permit a party to replace with a true copy an original document admitted in evidence. Exhibits in the proceeding on an application for a license to receive and possess high-level radioactive waste at a geologic repository operations area are governed by § 2.1013 of this part.

(g) Proceedings involving applications. In any proceeding involving an application, there shall be offered in evidence by the staff any report submitted by the ACRS in the proceeding in compliance with section 182b of the Act, any safety evaluation prepared by the staff and any environmental impact statement prepared by the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, or his designee in the proceeding pursuant to Subpart A of Part 51 of this chapter.

(h) Official record. An official record of a government agency or entry in an official record may be evidenced by an official publication or by a copy attested by the officer having legal custody of the record and accompanied by a certificate of his custody.

(i) Official notice. (1) The Commission or the presiding officer may take official notice of any fact of which a court of the United States may take judicial notice or of any technical or scientific fact within the knowledge of the Commission as an expert body. Each fact officially noticed under this

subparagraph shall be identified in the record with sufficient particularity to advise the parties of the matters which have been noticed or brought to the attention of the parties before final decision and each party adversely affected by the decision shall be given opportunity to controvert the fact.

(2) If a decision is stated in whole or in part on official notice of a fact which the parties did not have a prior opportunity to controvert, a party may controvert the fact by filing an appeal from an initial decision or a petition for reconsideration of a final decision clearly and concisely setting forth the information relied upon to show the contrary.

§ 2.744 Production of NRC records and documents.

(a) A request for the production of an NRC record or document not available pursuant to § 2.799 of a party to an initial licensing proceeding may be served on the Executive Director for Operations, without leave of the Commission or the presiding officer. The request shall set forth the records or documents requested, either by individual item or by category, and shall describe each item or category with reasonable particularity. It shall state why that record or document is relevant to the proceeding.

(b) If the Executive Director for Operations objects to producing a requested record or document on the ground that (1) it is not relevant or (2) it is exempted from disclosure under § 2.790 and the disclosure is not necessary to a proper decision in the proceeding or the document or the information therein is reasonably obtainable from another source, he shall so advise the requesting party.

(c) If the Executive Director for Operations objects to producing a record or document, the requesting party may apply to the presiding officer, in writing, to compel production of that record or document. The application shall set forth the relevancy of the record or document to the issues in the proceeding. The application shall be processed as a motion in accordance with § 2.730 (a) through (d). The record or document covered by the application shall be produced for the "in camera" inspection of the presiding officer, exclusively, if requested by the presiding officer and only to the extent necessary to determine:

(1) The relevancy of that record or document;

(2) Whether the document is exempt from disclosure under § 2.790;

(3) Whether the disclosure is necessary to a proper decision in the proceeding;

(4) Whether the document or the information therein is reasonably obtainable from another source.

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(d) Upon a determination by the presiding officer that the requesting party has demonstrated the relevancy of the record or document and that its production is not exempt from disclosure under § 2.790 or that, if exempt, its disclosure is necessary to a proper decision in the proceeding, and the document or the information therein is not reasonably obtainable from another source, he shall order the Executive Director for Operations, to produce the document.

(e) In the case of requested documents and records (including Safeguards Information referred to in sections 147 and 181 of the Atomic Energy Act, as amended) exempt from disclosure under § 2.790, but whose disclosure is found by the presiding officer to be necessary to a proper decision in the proceeding, any order to the Executive Director for Operations to produce the document or records (or any other order issued ordering production of the document or records) may contain such protective terms and conditions (including affidavits of non-disclosure) as may be necessary and appropriate to limit the disclosure to parties in the proceeding, to interested States and other governmental entities participating pursuant to § 2.715(c), and to their qualified witnesses and counsel. When Safeguards Information protected from disclosure under section 147 of the Atomic Energy Act, as amended, is received and possessed by a party other than the Commission staff, it shall also be protected according to the requirements of § 73.21 of this chapter. The presiding officer may also prescribe such additional procedures as will effectively safeguard and prevent disclosure of Safeguards Information to unauthorized persons with minimum impairment of the procedural rights which would be available if Safeguards Information were not involved. In addition to any other sanction that may be imposed by the presiding officer for violation of an order issued pursuant to this paragraph, violation of an order pertaining to the disclosure of Safeguards Information protected from disclosure under section 147 of the Atomic Energy Act, as amended, may be subject to a civil penalty imposed pursuant to § 2.205. For the purpose of imposing the criminal penalties contained in section 223 of the Atomic Energy Act, as amended, any order issued pursuant to this paragraph with respect to Safeguards Information shall be deemed an order issued under section 161b of the Atomic Energy Act.

(f) A ruling by the presiding officer, or the Commission for the production of a record or document will specify the time, place, and manner of production.

(g) No request pursuant to this section shall be made or entertained before the matters in controversy have been identified by the Commission or the presiding officer, or after the beginning of the prehearing conference held pursuant to § 2.752 except upon leave of the presiding officer for good cause shown.

(h) The provisions of § 2.740 (c) and (e) shall apply to production of NRC records and documents pursuant to this section.

SUMMARY DISPOSITION ON PLEADINGS

§ 2.749 Authority of presiding officer to dispose of certain issues on the pleadings.

(a) Any party to a proceeding may move, with or without supporting affidavits, for a decision by the presiding officer in that party's favor as to all or any part of the matters involved in the proceeding. The moving party shall annex to the motion a separate, short, and concise statement of the material facts as to which the moving party contends that there is no genuine issue to be heard. Motions may be filed at any time. Any other party may serve an answer supporting or opposing the motion, with or without affidavits, within twenty (20) days after service of the motion. The party shall annex to any answer opposing the motion a separate, short, and concise statement of the material facts as to which it is contended there exists a genuine issue to be heard. All material facts set forth in the statement required to be served by the moving party will be deemed to be admitted unless controverted by the statement required to be served by the opposing party. The opposing party may, within ten (10) days after service, respond in writing to new facts and arguments presented in any statement filed in support of the motion. No further supporting statements or responses thereto may be entertained. The presiding officer may dismiss summarily or hold in abeyance motions filed shortly before the hearing commences or during the hearing if the other parties or the presiding officer would be required to divert substantial resources from the hearing in order to respond adequately to the motion and thereby extend the proceeding.

(b) Affidavits shall set forth such facts as would be admissible in evidence and shall show affirmatively that the affiant is competent to testify to the matters stated therein. The presiding officer may permit affidavits to be supplemented or opposed by depositions, answers to interrogatories or further affidavits. When a motion for summary decision is made and supported

as provided in this section, a party opposing the motion may not rest upon the mere allegations or denials of his answer; his answer by affidavits or as otherwise provided in this section must set forth specific facts showing that there is a genuine issue of fact. If no such answer is filed, the decision sought, if appropriate, shall be rendered.

(c) Should it appear from the affidavits of a party opposing the motion that he cannot, for reasons stated, present by affidavit facts essential to justify his opposition, the presiding officer may refuse the application for summary decision or may order a continuance to permit affidavits to be obtained or make such other order as is appropriate and a determination to that effect shall be made a matter of record.

(d) The presiding officer shall render the decision sought if the filings in the proceeding, depositions, answers to interrogatories, and admissions on file, together with the statements of the parties and the affidavits, if any, show that there is no genuine issue as to any material fact and that the moving party is entitled to a decision as a matter of law. However, in any proceeding involving a construction permit for a production or utilization facility, the procedure described in this section may be used only for the determination of specific subordinate issues and may not be used to determine the ultimate issue as to whether the permit shall be issued.

HEARINGS

§ 2.750 Official reporter; transcript.

(a) A hearing will be reported under the supervision of the presiding officer, stenographically or by other means, by an official reporter who may be designated from time to time by the Commission or may be a regular employee of the Commission. The transcript prepared by the reporter shall be the sole official transcript of the proceeding. Except as limited pursuant to Section 181 of the Act

or order of the Commission, the transcript will be open for inspection at the Public Document Room. Copies of transcripts are available to parties and to the public from the official reporter on payment of the charges fixed therefor.

(b) Transcript corrections. Corrections of the official transcript may be made only in the manner provided by this paragraph. Corrections ordered or approved by the presiding officer shall be included in the record as an appendix, and when so incorporated the Secretary shall make the necessary physical corrections in the official transcript so that it will incorporate the changes ordered. In making corrections there shall be no substitution of pages but, to the extent practicable, corrections shall be made by running a line through the matter to be changed without obliteration and writing the matter as changed immediately above. Where the correction consists of an insertion, it shall be added by rider or interlineation as near as possible to the text which is intended to precede and follow it.

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(c) Free transcript. Except in an antitrust proceeding, in any adjudicatory proceeding on an application for a license or an amendment thereto, the presiding officer may arrange for provision of one free transcript to a party, other than the applicant, upon request by that party. The transcript will be made available to a party at the same time and location as it is made available to the NRC staff. If a transcript is mailed to the staff, it will also be mailed to the requesting party. A presiding officer has the discretion to control the distribution of transcripts to parties. ^{1*}

45 FR 49535

§-2.751 Hearings to be public.
Except as may be requested pursuant to Section 181 of the Act, all hearings will be public unless otherwise ordered by the Commission.

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* This paragraph is suspended until further action of the Commission. 46 FR 13681

§ 2.751a Special prehearing conference in construction permit and operating license proceedings.

(a) In any proceeding involving an application for a construction permit or an operating license for a production or utilization facility, the Commission or the presiding officer will direct the parties and any petitioners for intervention, or their counsel, to appear at a specified time and place, within ninety (90) days after the notice of hearing is published, or such other time as the Commission or the presiding officer may deem appropriate, for a conference⁷ to:

- (1) Permit identification of the key issues in the proceeding;
- (2) Take any steps necessary for further identification of the issues;
- (3) Consider all intervention petitions to allow the presiding officer to make such preliminary or final determination as to the parties to the proceeding, as may be appropriate; and
- (4) Establish a schedule for further actions in the proceeding.

(b) The presiding officer may order any further informal conferences among the parties, including telephone conferences, to the extent that he considers that such a conference would expedite the proceeding.

(c) A prehearing conference held pursuant to this section may be stenographically reported.

(d) The presiding officer shall enter an order which recites the action taken at the conference, the schedule for further actions in the proceeding, any agreements by the parties, and which identifies the key issues in the proceeding, makes a preliminary or final determination as to the parties in the proceeding, and provides for the submission of status reports on discovery. The order shall be served upon all parties to the proceeding. Objections to the order may be filed by a party within five (5) days after service of the order, except that the staff may file objections to such order within ten (10) days after service. Parties may not file replies to the objections unless the Board so directs. The filing of objections shall not stay the decision unless the presiding officer so orders. The board may revise the order in consideration of the objections presented and, as permitted by § 2.718(i), may certify for determination to the Commission

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such matters raised in the objections as it deems appropriate. The order shall control the subsequent course of the proceeding unless modified for good cause.

§ 2.752 Prehearing conference.

(a) The Commission or the presiding officer may, and in the case of a proceeding on an application for a construction permit or an operating license for a facility of a type described in §§ 50.21(b) or 50.22 of this chapter or a testing facility, shall direct the parties or their counsel to appear at a specified time and place for a conference to consider:

- (1) Simplification, clarification, and specification of the issues;
- (2) The necessity or desirability of amending the pleadings;
- (3) The obtaining of stipulations and admissions of fact and of the contents and authenticity of documents to avoid unnecessary proof;
- (4) Identification of witnesses and the limitation of the number of expert witnesses, and other steps to expedite the presentation of evidence;
- (5) The setting of a hearing schedule; and
- (6) Such other matters as may aid in the orderly disposition of the proceeding.

A prehearing conference held under this section in a proceeding involving a construction permit or operating license shall be held within sixty (60) days after discovery has been completed,⁸ or such other time as the Commission or the presiding officer may specify.

⁷ This conference may be omitted in proceedings other than contested proceedings.

⁸ Discovery, as used in this section, does not include the production of the ACRS report, the safety evaluation prepared by the regulatory staff, or any detailed statement on environmental considerations prepared by the Director of Regulation or his designee in the proceeding pursuant to Appendix D of Part 50 of this chapter.

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(b) Prehearing conferences may be nongraphically reported.

(c) The presiding officer shall enter an order which recites the action taken at the conference, the amendments allowed to the pleadings and agreements by the parties, and which limits the issues or defines the matters in controversy to be determined in the proceeding. Objections to the order may be filed by a party within five (5) days after service of the order, except that the regulatory staff may file objections to such order within ten (10) days after service. Parties may not file replies to the objections unless the board so directs. The filing of objections shall not stay the decision unless the presiding officer so orders. The board may revise the order in the light of the objections presented and, as permitted by § 2.718(i) may certify for determination to the Commission

such matters raised in the objections as seems appropriate. The order shall control the subsequent course of the proceeding unless modified for good cause.

§ 2.753 Stipulations.

Apart from any stipulations made during or as a result of a prehearing conference, the parties may stipulate in writing at any stage of the proceeding or orally during the hearing, any relevant fact or the contents or authenticity of any document. Such a stipulation may be received in evidence. The parties may also stipulate as to the procedure to be followed in the proceeding. Such stipulations may, on motion of all parties, be recognized by the presiding officer to govern the conduct of the proceeding.

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§ 2.754 Proposed findings and conclusions.

(a) Any party to a proceeding may, or if directed by the presiding officer shall, file proposed findings of fact and conclusions of law, briefs and a proposed form or order of decision within the time provided by the following subparagraphs, except as otherwise ordered by the presiding officer:

(1) The party who has the burden of proof shall, within thirty (30) days after the record is closed, file proposed findings of fact and conclusions of law and briefs, and a proposed form of order or decision.

(2) Other parties may file proposed findings, conclusions of law and briefs within forty (40) days after the record is closed. However, the staff may file such proposed findings, conclusions of law and briefs within fifty (50) days after the record is closed.

(3) A party who has the burden of proof may reply within five (5) days after filing of proposed findings and conclusions of law and briefs by other parties.

(b) Failure to file proposed findings of fact, conclusions of law or briefs when directed to do so may be deemed a default, and an order or initial decision may be entered accordingly.

(c) Proposed findings of fact must be clearly and concisely set forth in numbered paragraphs and must be confined to the material issues of fact presented on the record, with exact citations to the transcript of record and exhibits in support of each proposed finding. Proposed conclusions of law must be set forth in numbered paragraphs as to all material issues of law or discretion presented on the record. An intervenor's proposed findings of fact and conclusions of law must be confined to issues which that party placed in controversy or sought to place in controversy in the proceeding.

§ 2.755 Oral argument before presiding officer.

When, in the opinion of the presiding officer, time permits and the nature of the proceeding and the public interest warrant, he may allow and fix a time for the presentation of oral argument. He will impose appropriate limits of time on the argument. The transcript of the argument shall be a part of the record.

46 FR 30328

43 FR 17798

54 FR 33168

27 FR 11377

§ 2.756 Informal procedures.

The Commission encourages the use of informal procedures consistent with the Act, sections 551-558 of title 5 of the United States Code, and the regulations in this chapter, and with the orderly conduct of the proceeding and the necessity for preserving a suitable record for review.

35 FR 11459

§ 2.757 Authority of presiding officer to regulate procedure in a hearing.

To prevent unnecessary delays or an unnecessarily large record, the presiding officer may:

(a) Limit the number of witnesses whose testimony may be cumulative;

(b) Strike argumentative, repetitious, cumulative, or irrelevant evidence;

(c) Take necessary and proper measures to prevent argumentative, repetitious, or cumulative cross-examination; and

(d) Impose such time limitations on arguments as he determines appropriate, having regard for the volume of the evidence and the importance and complexity of the issues involved.

§ 2.758 Consideration of Commission rules and regulations in adjudicatory proceedings.

(a) Except as provided in paragraphs (b), (c), and (d) of this section, any rule or regulation of the Commission, or any provision thereof, issued in its program for the licensing of production and utilization facilities, source material, special nuclear material, or byproduct material is not subject to attack by way of discovery, proof, argument, or other means in any adjudicatory proceeding involving initial or renewal licensing subject to this subpart.

37 FR 15127

56 FR 64943

(b)(1) A party to an adjudicatory proceeding involving initial licensing subject to this subpart may petition that the application of a specified Commission rule or regulation or any provision thereof, of the type described in paragraph (a) of this section, be waived or an exception made for the particular proceeding. The sole ground for petition for waiver or exception is that special circumstances with respect to the subject matter of the particular proceeding are such that the application of the rule or regulation (or provision thereof) would not serve the purposes for which the rule or regulation was adopted. The petition must be accompanied by an affidavit that identifies the specific subject matter of the proceeding as to which the application of the rule or regulation (or provision thereof) would not serve the purposes for which the rule or regulation was adopted, and must set forth with particularity the special circumstances alleged to justify the waiver or exception requested. Any other party may file a response thereto, by counteraffidavit or otherwise.

(2) A party to an adjudicatory proceeding involving issuance of a renewed license under 10 CFR part 54 may petition that the requirements applicable to renewed licenses under this title should be waived or an exception made for the particular proceeding. The sole grounds for the petition must be one or both of the following:

(i) With respect to the subject matter of the particular proceeding, special circumstances pertaining to age-related degradation unique to license renewal (as defined in 10 CFR part 54) or environmental protection are such that the application of specific requirements of 10 CFR part 54 or 10 CFR part 51 in question would not serve the purposes for which the rule or regulation was adopted. The petition must be accompanied by an affidavit that identifies the specific section (or portion thereof) of either 10 CFR part 54 addressing age-related degradation or 10 CFR part 51 for which a waiver or exception is sought, the subject matter of the proceeding as to which the application of the identified requirement would not serve the purposes for which the rule or regulation was adopted, and must set forth with particularity the special circumstances alleged to justify the waiver or exception requested.

(ii) Because of circumstances unique to the requested term that result in:

(A) Operation that is inimical to the public health and safety or common defense and security or

(B) Noncompliance with the current licensing basis during the period of extended operation, requirements in addition to those in the plant's current licensing basis or otherwise needed for compliance with 10 CFR 54.29 must be imposed to provide compliance with the current licensing basis or to ensure that operation is not inimical to the public health and safety or common defense and security during the period of extended operation.

The petition must be accompanied by an affidavit that identifies the circumstances, explains how they will result either in operation that is inimical to public health and safety or common defense and security or noncompliance with the current licensing basis, describes what additional requirements must be imposed, and explains why the requirements are necessary for compliance with the current licensing basis or to ensure that operation will not be inimical to the public health and safety or common defense and security during the period of extended operation.

(3) Any other party may file a response to a petition submitted pursuant to paragraphs (b) (1) or (2) of this section by counteraffidavit or otherwise.

(c) If, on the basis of the petition, affidavit and any response thereto provided for in paragraph (b) of this section, the presiding officer determines that the petitioning party has not made a prima facie showing that the application of the specific Commission rule or regulation or provision thereof to a particular aspect or aspects of the subject matter of the proceeding would not serve the purposes for which the rule or regulation was adopted and that application of the rule or regulation should be waived or an exception granted, no evidence may be received on that matter and no discovery, cross-examination or argument directed to the matter will be permitted, and the presiding officer may not further consider the matter.

(d) If, on the basis of the petition, affidavit and any response provided for in paragraph (b) of this section, the presiding officer determines that such a prima facie showing has been made, the presiding officer shall, before ruling thereon, certify directly to the Commission⁷ for determination the matter of whether the application of the Commission rule or regulation or provision thereof to a particular aspect or aspects of the subject matter of the proceeding, in the context of this section, should be waived or an exception made. The Commission may, among other things, on the basis

⁷The matter will be certified to the Commission notwithstanding the provisions of § 2.785.

of the petition, affidavits, and any response, determine whether the application of the specified rule or regulation (or provision thereof) should be waived or an exception be made, or the Commission may direct such further proceedings as it deems appropriate to aid its determination.

(e) Whether or not the procedure in paragraph (b) of this section is available, a party to an initial licensing proceeding may file a petition for rule making pursuant to § 2.802.

§ 2.759 Settlement in initial licensing proceedings.

The Commission recognizes that the public interest may be served through settlement of particular issues in a proceeding or the entire proceeding. Therefore, to the extent that it is not inconsistent with hearing requirements in section 189 of the Act (42 U.S.C. 2239), the fair and reasonable settlement of contested initial licensing proceedings is encouraged. It is expected that the presiding officer and all of the parties to those proceedings will take appropriate steps to carry out this purpose.

INITIAL DECISION AND COMMISSION REVIEW

§ 2.760 Initial decision and its effect.

(a) After hearing, the presiding officer will render an initial decision which will constitute the final action of the Commission forty (40) days after its date unless any party petitions for Commission review in accordance with § 2.786 or the Commission takes review sua sponte or the decision is subject to the provisions of § 2.764.

(b) Where the public interest so requires, the Commission may direct that the presiding officer certify the record to it without an initial decision, and may—

(1) Prepare its own decision which will become final unless the Commission grants a petition for reconsideration pursuant to § 2.771; or

56 FR 64943

56 FR 64943

56 FR 64943

56 FR 15127

56 FR 4339

56 FR 29403

56 FR 52282

56 FR 29403

27 FR 377 (2) Omit an initial decision on a finding that due and timely execution of its functions imperatively and unavoidably so requires.

(c) An initial decision will be in writing and will be based on the whole record and supported by reliable, probative, and substantial evidence. The initial decision will include:

(1) Findings, conclusions and rulings, with the reasons or basis for them, on all material issues of fact, law, or discretion presented on the record.

(2) All facts officially noticed and relied on in making the decision;

(3) The appropriate ruling, order or denial of relief with the effective date;

(4) The time within which a petition for review of the decision may be filed, the time within which answers in support of or in opposition to a petition for review filed by another party may be filed and, in the case of an initial decision which may become final in accordance with paragraph (a) of this section, the date when it may become final.

§ 2.760a Initial decision in contested proceedings on applications for facility operating licenses.

In any initial decision in a contested proceeding on an application for an operating license for a production or utilization facility, the presiding officer shall make findings of fact and conclusions of law on the matters put into controversy by the parties to the proceeding and on matters which have been determined to be the issues in the proceeding by the Commission or the presiding officer. Matters not put into controversy by the parties will be examined and decided by the presiding officer only where he or she determines that a serious safety, environmental, or common defense and security matter exists. Depending on the resolution of those matters, the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, after making the requisite findings, will issue, deny, or appropriately condition the license.

§ 2.761 Expedited decisional procedure.

(a) The presiding officer may determine a proceeding by an order after the conclusion of a hearing without issuing an initial decision, when:

(1) All parties stipulate that the initial decision may be omitted and waive their rights to file a petition for review, to request oral argument, and to seek judicial review;

(2) No unresolved substantial issue of fact, law, or discretion remains, and the record clearly warrants granting the relief requested; and

(3) The presiding officer finds that dispensing with the issuance of the initial decision is in the public interest.

(b) An order entered pursuant to paragraph (a) of this section shall be subject to review by the Commission on its own motion within thirty (30) days after its date.

(c) An initial decision may be made effective immediately, subject to review by the Commission on its own motion within thirty (30) days after its date, except as otherwise provided in this chapter when:

(1) All parties stipulate that the initial decision may be made effective immediately and waive their rights to file a petition for review, to request oral argument, and to seek judicial review;

(2) No unresolved substantial issue of fact, law, or discretion remains and the record clearly warrants granting the relief requested; and

(3) The presiding officer finds that it is in the public interest to make the initial decision effective immediately.

(d) The provisions of this section do not apply to an initial decision directing the issuance or amendment of a construction permit or construction authorization, or the issuance of an operating license or provisional operating authorization.

§ 2.761a Separate hearings and decisions.

In a proceeding on an application for a construction permit for a utilization facility which is subject to § 51.20(b) of this chapter, and is of the type specified in §§ 51.21(b) (2) or (3) or 50.22 of this chapter or is a testing facility, the presiding officer shall unless the parties agree otherwise or the rights of any party would be prejudiced thereby, commence a hearing on issues covered by § 50.10(e)(2)(ii) and Subpart A of Part 51 of this chapter as soon as practicable after issuance of the staff of its final environmental impact statement, but no later than thirty (30) days after issuance of such statement, and complete such a hearing and issue an initial decision on such matters. Prehearing procedures regarding issues covered by Subpart A of Part 51 and § 51.10(e)(2)(ii) of this chapter, including any discovery and special prehearing conferences and

prehearing conferences as provided in §§ 2.740, 2.740a, 2.740b, 2.741, 2.742, 2.751a, and 2.752, shall be scheduled accordingly. The provisions of §§ 2.754, 2.755, 2.760, 2.762, 2.763, and 2.764(a) shall apply to any proceeding conducted and any initial decision rendered in accordance with this section. Paragraph 2.764(b) shall not apply to any partial initial decision rendered in accordance with this section. This section shall not preclude separate hearings and decisions on other particular issues.

§ 2.762 [Removed] 56 FR 29403

§ 2.763 Oral argument.

In its discretion the Commission may allow oral argument upon the request of a party made in a petition for review or brief on review, or upon its own initiative.

§ 2.764 Immediate effectiveness of initial decision directing issuance or amendment of construction permit or operating license.

(a) Except as provided in paragraphs (c) through (f) of this section, or as otherwise ordered by the Commission in special circumstances, an initial decision directing the issuance or amendment of a construction permit, a construction authorization, or an operating license shall be effective immediately upon issuance unless the presiding officer finds that good cause has been shown by a party why the initial decision should not become immediately effective, subject to review thereof and further decision by the Commission upon petition for review filed by any party pursuant to § 2.786 or upon its own motion.

(b) Except as provided in paragraphs (c) through (f) of this section, or as otherwise ordered by the Commission in special circumstances, the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, notwithstanding the filing or granting of a petition for review, shall issue a construction permit, a construction authorization, or an operating license, or amendments thereto, authorized by an initial decision, within ten (10) days from the date of issuance of the decision.

53 FR 31651

(c) An initial decision directing the issuance of an initial license for the construction and operation of an independent spent fuel storage installation (ISFSI) or monitored retrievable storage installation (MRS) under 10 CFR Part 72 shall become effective only upon orders of the Commission. The Director of Nuclear Material Safety and Safeguards shall not issue an initial license for the construction and operation of an independent spent fuel storage installation (ISFSI) or a monitored retrievable storage installation (MRS) under 10 CFR Part 72 until expressly authorized to do so by the Commission.

(d) removed [54 FR 14925]

47 FR 2286

in addition to taking generic rulemaking actions, the Commission will be providing case-by-case guidance on changes in regulatory policies in conducting its reviews in adjudicatory proceedings. The Boards shall, in turn, apply these revised regulations and policies in cases then pending before them to the extent that they are applicable. The Commission expects the Licensing Boards to pay particular attention in their decisions to analyzing the evidence on those safety and environmental issues arising under applicable Commission regulations and policies which the Boards believe present serious, close questions and which the Boards believe may be crucial to whether a license should become effective before full appellate review is completed. Furthermore, the Boards should identify any aspects of the case which in their judgment, present issues on which prompt Commission policy guidance is called for. The Boards may request the assistance of the parties in identifying such policy issues but, absent specific Commission directives, such policy issues shall not be the subject of discovery, examination, or cross-examination.

46 FR 47764

(e) Nuclear power reactor construction permits

56 FR 29403

(1) Atomic Safety and Licensing Boards. Atomic Safety and Licensing Boards shall hear and decide all issues that come before them, indicating in their decisions the type of licensing action, if any, which their decision would authorize. The Boards' decisions concerning construction permits shall not become effective until the Commission actions outlined in paragraph (e)(2) of this section have taken place.

56 FR 29403

(2) Commission. Within sixty days of the service of any Licensing Board decision that would otherwise authorize issuance of a construction permit, the Commission will seek to issue a decision on any stay motions that are timely filed. Such motions shall be filed as provided by 10 CFR 2.788. For the purpose of this policy, a "stay" motion is one that seeks to defer the effectiveness of a Licensing Board decision beyond the period necessary for the Commission action described herein. If no stay papers are filed, the Commission will, within the same time period (or earlier if possible), analyze the record and construction permit decision below on its own motion and will seek to issue a decision on whether a stay is warranted. It shall not, however, decide that a stay is warranted without giving the affected parties an opportunity to be heard. The initial decision will be considered stayed pending the Commission's decision. In deciding these stay questions, the Commission shall employ the procedures set out in 10 CFR 2.788.

47 FR 2286

(ii) In reaching their decisions the Boards should interpret existing regulations and regulatory policies with due consideration to the implications for those regulations and policies of the Three Mile Island accident. As provided in paragraph (e)(3) of this section, in

which the Boards believe may be crucial to whether a license should become effective before full appellate review is completed. Furthermore, the Boards should identify any aspects of the case which in their judgment, present issues on which prompt Commission policy guidance is called for. The Boards may request the assistance of the parties in identifying such policy issues but, absent specific Commission directive, such policy issues shall not be the subject of discovery, examination, or cross-examination.

license application and may alter those regulations and policies.
 (g) The Commission's effectiveness determination is entirely without prejudice to proceedings under § 2.786 or § 2.788.

(f) Nuclear power reactor operating licenses—

(1) *Atomic Safety and Licensing Boards.* Atomic Safety and Licensing Boards shall hear and decide all issues that come before them, indicating in their decisions the type of licensing action, if any, which their decision would authorize. A Board's decision authorizing issuance of an operating license may not become effective insofar as it authorizes operating at greater than 5 percent of rated power until the Commission actions outlined below in paragraph (f)(2) of this section have taken place. Insofar as it authorizes operation up to 5 percent, the decision is effective and the Director shall issue the appropriate license in accordance with paragraph (b) of this section.

(2) *Commission.* (i) Reserving the power to step in at an earlier time, the Commission will, upon receipt of the Licensing Board decision authorizing issuance of an operating license, other than a decision authorizing only fuel loading and low power (up to 5 percent of rated power) testing, review the matter on its own motion to determine whether to stay the effectiveness of the decision. An operating license decision will be stayed by the Commission, insofar as it authorizes other than fuel loading and low power testing, if it determines that it is in the public interest to do so, based on a consideration of the gravity of the substantive issue, the likelihood that it has been resolved incorrectly below, the degree to which correct resolution of the issue would be prejudiced by operation pending review, and other relevant public interest factors.

(ii) For operating license decisions other than those authorizing only fuel loading and low power testing consistent with the target schedule set forth below, the parties may file brief comments with the Commission pointing out matters which, in their view, pertain to the immediate effectiveness issue. To be considered, such comments must be received within 10 days of the Board decision. However, the Commission may dispense with comments by so advising the parties. No extensive stay shall be issued without giving the affected parties an opportunity to be heard.

(iii) The Commission intends to issue a stay decision within 30 days of receipt of the Licensing Board's decision. The Licensing Board's initial decision will be considered stayed pending the Commission's decision insofar as it may authorize operations other than fuel loading and low power (up to 5 percent of rated power) testing.

(iv) In announcing a stay decision, the Commission may allow the proceeding to run its ordinary course or give instructions as to the future handling of the proceeding. Furthermore, the Commission may in a particular case determine that compliance with existing regulations and policies may no longer be sufficient to warrant approval of a

§ 2.785 Immediate effectiveness of initial decision directing issuance or amendment of licenses under Part 61 of this chapter.

An initial decision directing the issuance of a license under Part 61 of this chapter (relating to land disposal of radioactive waste) or any amendment to such a license authorizing actions which may significantly affect the health and safety of the public, will become effective only upon order of the Commission. The Director of Nuclear Material Safety and Safeguards may not issue a license under Part 61 of this chapter, or any amendment to such a license which may significantly affect the health and safety of the public, until expressly authorized to do so by the Commission.

56 FR 7756

46 FR 28621

56 FR 29403

46 FR 28627

46 FR 47764

47 FR 57446

56 FR 29403

PART 2 • RULES OF PRACTICE FOR DOMESTIC LICENSING PROCEEDINGS...

FINAL DECISION

§ 2.770 Final decision.

(a) The Commission will ordinarily consider the whole record on review, but may limit the issues to be reviewed to those identified in an order taking review.

(b) The Commission may adopt, modify, or set aside the findings, conclusions and order in the initial decision, and will state the basis of its action. The final decision will be in writing and will include:

(1) A statement of findings and conclusions, with the basis for them on all material issues of fact, law or discretion presented;

(2) All facts officially noticed;

(3) The ruling on each material issue; and

(4) The appropriate ruling, order, or denial of relief, with the effective date.

§ 2.771 Petition for reconsideration.

(a) A petition for reconsideration of a final decision may be filed by a party within ten (10) days after the date of the decision.

(b) The petition for reconsideration shall state specifically the respects in which the final decision is claimed to be erroneous, the grounds of the petition, and the relief sought. Within ten (10) days after a petition for reconsideration has been filed, any other party may file an answer in opposition to or in support of the petition. However, the staff may file such an answer within twelve (12) days after a petition for reconsideration has been filed.

(c) Neither the filing nor the granting of the petition shall stay the decision unless the Commission orders otherwise.

§ 2.772 Authority of the Secretary to rule on procedural matters.

When briefs, motions or other papers listed herein are submitted to the Commission itself, as opposed to officers who have been delegated authority to act for the Commission, the Secretary or the Assistant Secretary are authorized to:

(a) Prescribe schedules for the filing of briefs, motions, or other pleadings,

where such schedules may differ from those elsewhere prescribed in these rules or where these rules do not prescribe a schedule;

(b) Rule on motions for extensions of time;

(c) Reject motions, briefs, pleadings, and other documents filed with the Commission later than the time prescribed by the Secretary or the Assistant Secretary or established by an order, rule, or regulation of the Commission unless good cause is shown for the late filing;

(d) Prescribe all procedural arrangements relating to any oral argument to be held before the Commission;

(e) Extend the time for the Commission to rule on a petition for review under 10 CFR 2.786(b);

(f) Extend the time for the Commission to grant review on its own motion under 10 CFR 2.786(a);

(g) Extend time for Commission review on its own motion of a Director's denial under 10 CFR 2.206(c);

(h) Direct pleadings improperly filed before the Commission to the appropriate adjudicatory board for action;

(i) Deny a request for hearings, where the request fails to comply with the Commission's pleading requirements set forth in this part, and fails to set forth an arguable basis for further proceedings;

(j) Refer to the Atomic Safety and Licensing Board Panel or an Administrative Law Judge, as appropriate, requests for hearings not falling under § 2.104 of this part, where the requester is entitled to further proceedings; and

(k) Take action on minor procedural matters.

Restricted Communications

§ 2.780 Ex parte communications.

In any proceeding under this subpart—

(a) Interested persons outside the agency may not make or knowingly cause to be made to any Commission adjudicatory employee, any ex parte communication relevant to the merits of the proceeding.

(b) Commission adjudicatory employees may not request or entertain from any interested person outside the agency or make or knowingly cause to be made to any interested person outside the agency, and ex parte communication relevant to the merits of the proceeding.

(c) Any Commission adjudicatory employee who receives, makes, or

knowingly causes to be made a communication prohibited by this section shall ensure that all such responses to the communication promptly are served on the parties and placed in the public record of the proceeding. In the case of oral communications, a written summary must be served and placed in the public record of the proceeding.

(d) Upon receipt of a communication knowingly made or knowingly caused to be made by a party in violation of this section, the Commission or other adjudicatory employee presiding in a proceeding may, to the extent consistent with the interests of justice and the policy of the underlying statutes, require the party to show cause why its claim or interest in the proceeding should not be dismissed, denied, disregarded, or otherwise adversely affected on account of the violation.

(e) (1) The prohibitions of this section apply—

(i) When a notice of hearing or other comparable order is issued in accordance with §§ 2.104(a), 2.105(e)(2), 2.202(c), 2.204, 2.205(e), or 2.703; or

(ii) Whenever the interested person or Commission adjudicatory employee responsible for the communication has knowledge that a notice of hearing or other comparable order will be issued in accordance with §§ 2.104(a), 2.105(e)(2), 2.202(c), 2.204, 2.205(e), or 2.703.

(2) The prohibitions of this section cease to apply to ex parte communications relevant to the merits of a full or partial initial decision when, in accordance with § 2.786, the time has expired for Commission review of the decision.

(f) The prohibitions in this section do not apply to—

(1) Requests for and the provision of status reports;

(2) Communications specifically permitted by statute or regulation;

(3) Communications made to or by Commission adjudicatory employees in the Office of the General Counsel regarding matters pending before a court or another agency; and

(4) Communications regarding generic issues involving public health and safety or other statutory responsibilities of the agency (e.g., rulemakings, congressional hearings on legislation, budgetary planning) not associated with the resolution of any proceeding under this subpart pending before the NRC.

§ 2.781 Separation of functions.

(a) In any proceeding under this subpart, any NRC officer or employee engaged in the performance of any

56 FR 29403
39 FR 24219
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39 FR 24219
56 FR 29403
56 FR 29403
56 FR 29403

30 FR 24219
43 FR 22345
46 FR 14794
47 FR 47807
53 FR 10760
56 FR 29403

53 FR 10760
56 FR 29403

investigative or litigating function in that proceeding or in a factually related proceeding may not participate in or advise a Commission adjudicatory employee about the initial or final decision on any disputed issue in that proceeding, except—

(1) As witness or counsel in the proceeding;

(2) Through a written communication served on all parties and made on the record of the proceeding; or

(3) Through an oral communication made both with reasonable prior notice to all parties and with reasonable opportunity for all parties to respond.

(b) The prohibition in paragraph (a) of this section does not apply to—

(1) Communications to or from any Commission adjudicatory employee regarding—

(i) The status of a proceeding;

(ii) Matters with regard to which the communications specifically are permitted by statute or regulation;

(iii) Agency participation in matters pending before a court or another agency; or

(iv) Generic issues involving public health and safety or other statutory responsibilities of the agency (e.g., rulemakings, congressional hearings on legislation, budgetary planning) not associated with the resolution of any proceeding under this subpart pending before the NRC.

(2) Communications to or from Commissioners, members of their personal staffs, Commission adjudicatory employees in the Office of the General Counsel, and the Secretary and employees of the Office of the Secretary, regarding—

(i) Initiation or direction of an investigation or initiation of an enforcement proceeding;

(ii) Supervision of agency staff to ensure compliance with the general policies and procedures of the agency;

(iii) Staff priorities and schedules or the allocation of agency resources; or

(iv) General regulatory, scientific, or engineering principles that are useful for an understanding of the issues in a proceeding and are not contested in the proceeding.

(3) None of the communications permitted by paragraph (b)(2) (i)–(iii) of this section is to be associated by the Commission adjudicatory employee or the NRC officer or employee performing investigative or litigating functions with the resolution of any proceeding under this subpart pending before the NRC.

(c) Any Commission adjudicatory employee who receives a communication prohibited under

paragraph (a) of this section shall ensure that it and any responses to the communication are placed in the public record of the proceeding and served on the parties. In the case of oral communications, a written summary must be served and placed in the public record of the proceeding.

(d) (1) The prohibitions in this section apply—

(i) When a notice of hearing or other comparable order is issued in accordance with §§ 2.104(a), 2.105(e)(2), 2.202(c), 2.204, 2.205(e), or 2.703; or

(ii) Whenever an NRC officer or employee who is or has reasonable cause to believe he or she will be engaged in the performance of an investigative or litigating function or a Commission adjudicatory employee has knowledge that a notice of hearing or other comparable order will be issued in accordance with §§ 2.104(a), 2.105(e)(2), 2.202(c), 2.204, 2.205(e), or 2.703.

(2) The prohibitions of this section will cease to apply to the disputed issues pertinent to a full or partial initial decision when, in accordance with § 2.786, the time has expired for Commission review of the decision.

(e) Communications to, from, and between Commission adjudicatory employees not prohibited by this section may not serve as a conduit for a communication that otherwise would be prohibited by this section or for an ex parte communication that otherwise would be prohibited by § 2.780.

(f) If an initial or final decision is stated to rest in whole or in part on fact or opinion obtained as a result of a communication authorized by this section, the substance of the communication must be specified in the record of the proceeding and every party must be afforded an opportunity to controvert the fact or opinion. If the parties have not had an opportunity to controvert the fact or opinion prior to the filing of the decision, a party may controvert the fact or opinion by filing a petition for review of an initial decision, or a petition for reconsideration of a final decision that clearly and concisely sets forth the information or argument relied on to show the contrary. If appropriate, a party may be afforded the opportunity for cross-examination or to present rebuttal evidence.

§ 2.785 [Removed] 56 FR 29403

§ 2.786 Review of decisions and actions of a presiding officer.

(a) Within forty (40) days after the date of a decision or action by a presiding officer, or within thirty (30) days after a petition for review of the decision or action has been filed under paragraph (b) of this section, whichever is greater, the Commission may review the decision or action on its own motion, unless the Commission, in its discretion, extends the time for its review.

(b)(1) Within fifteen (15) days after service of a full or partial initial decision by a presiding officer, and within fifteen (15) days after service of any other decision or action by a presiding officer with respect to which a petition for review is authorized by this part, a party may file a petition for review with the Commission on the grounds specified in paragraph (b)(4) of this section. The filing of a petition for review is mandatory for a party to exhaust its administrative remedies before seeking judicial review.

(2) A petition for review under this paragraph must be no longer than ten (10) pages, and must contain the following:

(i) A concise summary of the decision or action of which review is sought;

(ii) A statement (including record citation) where the matters of fact or law raised in the petition for review were previously raised before the presiding officer and, if they were not why they could not have been raised;

(iii) A concise statement why in the petitioner's view the decision or action is erroneous; and

(iv) A concise statement why Commission review should be exercised.

(3) Any other party to the proceeding may, within ten (10) days after service of a petition for review, file an answer supporting or opposing Commission review. This answer must be no longer than ten (10) pages and should concisely address the matters in paragraph (b)(2) of this section to the extent appropriate. The petitioning party shall have no right to reply, except as permitted by the Commission.

(4) The petition for review may be granted in the discretion of the Commission, giving due weight to the existence of a substantial question with respect to the following considerations:

(i) A finding of material fact is clearly erroneous or in conflict with a finding as to the same fact in a different proceeding;

(ii) A necessary legal conclusion is without governing precedent or is a departure from or contrary to established law;

(iii) A substantial and important question of law, policy or discretion has been raised;

(iv) The conduct of the proceeding involved a prejudicial procedural error; or

(v) Any other consideration which the Commission may deem to be in the public interest.

(5) A petition for review will not be granted to the extent that it relies on matters that could have been but were not raised before the presiding officer. A matter raised sua sponte by a presiding officer has been raised before the presiding officer for the purpose of this section.

(6) A petition for review will not be granted as to issues raised before the presiding officer on a pending motion for reconsideration.

(c) If within thirty (30) days after the filing of a petition for review the Commission does not grant the petition, in whole or in part, the petition shall be deemed denied, unless the Commission in its discretion extends the time for its consideration of the petition and any answers thereto.

(d) If a petition for review is granted, the Commission will issue an order specifying the issues to be reviewed and designating the parties to the review proceeding and direct that appropriate briefs be filed, oral argument be held, or both.

(e) Petitions for reconsideration of Commission decisions granting or denying review in whole or in part will not be entertained. A petition for reconsideration of a Commission decision after review may be filed within ten (10) days, but is not necessary for exhaustion of administrative remedies. However, if a petition for reconsideration is filed, the Commission decision is not final until the petition is decided.

(f) Neither the filing nor the granting of a petition for review will stay the effect of the decision or action of the presiding officer, unless otherwise ordered by the Commission.

(g) Certified questions and referred rulings. A question certified to the Commission under § 2.718(i) or a ruling referred under § 2.730(f) must meet one of the alternative standards in this subsection to merit Commission review. A certified question or referred ruling will be reviewed if it either—

(1) Threatens the party adversely affected by it with immediate and serious irreparable impact which, as a practical matter, could not be alleviated through a petition for review of the presiding officer's final decision; or

(2) Affects the basic structure of the proceeding in a pervasive or unusual manner.

§ 2.787 [Removed]**§ 2.788 Stays of decisions of presiding officers pending review.**

(a) Within ten (10) days after service of a decision or action of a presiding officer any party to the proceeding may file an application for a stay of the effectiveness of the decision or action pending filing of and a decision on a petition for review. This application may be filed with the Commission or the presiding officer, but not both at the same time.

(b) An application for a stay must be no longer than ten (10) pages, exclusive of affidavits, and must contain the following:

(1) A concise summary of the decision or action which is requested to be stayed;

(2) A concise statement of the grounds for stay, with reference to the factors specified in paragraph (e) of this section; and

(3) To the extent that an application for a stay relies on facts subject to dispute, appropriate references to the record or affidavits by knowledgeable persons.

(c) Service of an application for a stay on the other parties shall be by the same method, e.g., telecopier message, mail, as the method for filing the application with the Commission or the presiding officer.

(d) Within ten (10) days after service of an application for a stay under this section, any party may file an answer supporting or opposing the granting of a stay. This answer must be no longer than ten (10) pages, exclusive of affidavits, and should concisely address the matters in paragraph (b) of this section to the extent appropriate. No further replies to answers will be entertained. Filing of and service of an answer on the other parties must be by the same method, e.g., telecopier message, mail, as the method for filing the application for the stay.

(e) In determining whether to grant or deny an application for a stay, the Commission or presiding officer will consider:

(1) Whether the moving party has made a strong showing that it is likely to prevail on the merits;

(2) Whether the party will be irreparably injured unless a stay is granted;

(3) Whether the granting of a stay would harm other parties; and

(4) Where the public interest lies.

(f) In extraordinary cases, where prompt application is made under this section, the Commission or presiding officer may grant a temporary stay to preserve the status quo without waiting for filing of any answer. The application may be made orally provided the application is promptly confirmed by

56 FR 29403

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 telecopier message. Any party applying under this paragraph shall make all reasonable efforts to inform the other parties of the application, orally if made orally.

AVAILABILITY OF OFFICIAL RECORDS

§ 2.790 Public inspections, exemptions, requests for withholding.

(a) Subject to the provisions of paragraphs (b), (d), and (e) of this section, final NRC records and documents,¹⁰ including but not limited to correspondence to and from the NRC regarding the issuance, denial, amendment, transfer, renewal, modification, suspension, revocation, or violation of a license, permit, or order, or regarding a rule making proceeding subject to this part shall not, in the absence of a compelling reason for non-disclosure after a balancing of the interests of the person or agency urging nondisclosure and the public interest in disclosure, be exempt from disclosure and will be made available for inspection and copying in the NRC Public Document Room, except for matters that are:

(1) (i) Specifically authorized under criteria established by an Executive order to be kept secret in the interest of national defense or foreign policy and (ii) are in fact properly classified pursuant to such Executive order;

(2) Related solely to the internal personnel rules and practices of the Commission;

(3) specifically exempted from disclosure by statute (other than 5 U.S.C. 552(b)), provided that such statute (i) requires that the matters be withheld from the public in such a manner as to leave no discretion on the issue, or (ii) establishes particular criteria for withholding or refers to particular types or matters to be withheld.

(4) Trade secrets and commercial or financial information obtained from a person and privileged or confidential;

(5) Interagency or intraagency memorandums or letters which would not be available by law to a party other than an agency in litigation with the Commission;

(6) Personnel and medical files and similar files, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy;

(7) Records or information compiled for law enforcement purposes, but only to the extent that the production of such law enforcement records or information:

(i) Could reasonably be expected to interfere with enforcement proceedings;

(ii) Would deprive a person of a right

¹⁰ Such records and documents do not include handwritten notes and drafts.

to a fair trial or an impartial adjudication:

(iii) Could reasonably be expected to constitute an unwarranted invasion of personal privacy;

(iv) Could reasonably be expected to disclose the identity of a confidential source, including a State, local, or foreign agency or authority, or any private institution which furnished information on a confidential basis, and, in the case of a record or information compiled by a criminal law enforcement authority in the course of a criminal investigation, or by an agency conducting a lawful national security intelligence investigation, information furnished by a confidential source;

(v) Would disclose techniques and procedures for law enforcement investigations or prosecutions, or would disclose guidelines for law enforcement investigations or prosecutions if such disclosure could reasonably be expected to risk circumvention of the law; or

(vi) Could reasonably be expected to endanger the life or physical safety of any individual;

(8) Contained in or related to examination, operating, or condition reports prepared by, on behalf of, or for the use of an agency responsible for the regulation or supervision of financial institutions; or

(9) Geological and geophysical information and data, including maps, concerning wells.

(b) (1) A person who proposes that a document or a part be withheld in whole or part from public disclosure on the ground that it contains trade secrets or privileged or confidential commercial or financial information shall submit an application for withholding accompanied by an affidavit which:

(i) Identifies the document or part sought to be withheld and the position of the person making the affidavit, and

(ii) Contains a full statement of the reasons on the basis of which it is claimed that the information should be withheld from public disclosure. Such statement shall address with specificity the considerations listed in paragraph (b)(4) of this section. In the case of an affidavit submitted by a company, the affidavit shall be executed by an officer or upper-level management official who has been specifically delegated the function of reviewing the information sought to be withheld and authorized to apply for its withholding on behalf of the company. The affidavit shall be executed by the owner of the information, even though the

information sought to be withheld is submitted to the Commission by another person. The application and affidavit shall be submitted at the time of filing the information sought to be withheld. The information sought to be withheld shall be incorporated, as far as possible, into a separate paper. The affiant may designate with appropriate markings information submitted in the affidavit as a trade secret or confidential or privileged commercial or financial information within the meaning of § 9.17(a)(4) of this chapter and such information shall be subject to disclosure only in accordance with the provisions of § 9.19 of this chapter.

(2) A person who submits commercial or financial information believed to be privileged or confidential or a trade secret shall be on notice that it is the policy of the Commission to achieve an effective balance between legitimate concerns for protection of competitive positions and the right of the public to be fully apprised as to the bases for and effects of licensing or rule making actions, and that it is within the discretion of the Commission to withhold such information from public disclosure.

(3) The Commission shall determine whether the information sought to be withheld from public disclosure pursuant to this paragraph: (i) is a trade secret or confidential or privileged commercial or financial information; and (ii) if so, should be withheld from public disclosure.

(4) In making the determination required by paragraph (b)(3)(i) of this section, the Commission will consider:

(i) Whether the information has been held in confidence by its owner;

(ii) Whether the information is of a type customarily held in confidence by its owner and whether there is a rational basis therefor;

(iii) Whether the information was transmitted to and received by the Commission in confidence;

(iv) Whether the information is available in public sources;

(v) Whether public disclosure of the information sought to be withheld is likely to cause substantial harm to the competitive position of the owner of the information, taking into account the value of the information to the owner; the amount of effort or money, if any, expended by the owner in developing the information; and the ease or difficulty with which the information could be

properly acquired or duplicated by others.

(5) If the Commission determines, pursuant to paragraph (b)(4) of this section, that the record or document contains trade secrets or privileged confidential commercial or financial information, the Commission will then determine (i) whether the right of the public to be fully apprised as to the bases for and effects of the proposed action outweighs the demonstrated concern for protection of a competitive position and (ii) whether the information should be withheld from public disclosure pursuant to this paragraph. If the record or document for which withholding is sought is deemed by the Commission to be irrelevant or unnecessary to the performance of its functions, it shall be returned to the applicant.

(6) Withholding from public inspection shall not affect the right, if any, of persons properly and directly concerned to inspect the document. The Commission may require information claimed to be a trade secret or privileged or confidential commercial or financial information to be subject to inspection: (i) under a protective agreement, by contractor personnel or government officials other than NRC officials; (ii) by the presiding officer in a proceeding; and (iii) under protective order, by parties to a proceeding, pending a decision of the Commission on the matter of whether the information should be made publicly available or when a decision has been made that the information should be withheld from public disclosure. In camera sessions of hearings may be held when the information sought to be withheld is produced or offered in evidence. If the Commission subsequently determines that the information should be disclosed, the information and the transcript of such in camera session will be made publicly available.

(c) If a request for withholding pursuant to paragraph (b) of this section is denied, the Commission will notify an applicant for withholding of the denial with a statement of reasons. The notice or denial will specify a time, not less than thirty (30) days after the date of the notice, when the document will be placed in the Public Document Room. If, within the time specified in the notice, the applicant requests withdrawal of the document, the document will not be placed in the Public Document Room and will be returned to the applicant: Provided,

52 FR 49350

41 FR 11808

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PART 2 • RULES OF PRACTICE FOR DOMESTIC LICENSING PROCEEDINGS --

Subpart H – Rulemaking

That information submitted in a rule making proceeding which subsequently forms the basis for the final rule will not be withheld from public disclosure by the Commission and will not be returned to the applicant after denial of any application for withholding submitted in connection with that information. If a request for withholding pursuant to paragraph (b) of this section is granted, the Commission will notify the applicant of its determination to withhold the information from public disclosure.

(d) The following information shall be deemed to be commercial or financial information within the meaning of § 9.17(a)(4) of this chapter and shall be subject to disclosure only in accordance with the provisions of § 9.19 of this chapter.

(1) Correspondence and reports to or from the NRC which contain information or records concerning a licensee's or applicant's physical protection or material control and accounting program for special nuclear material not otherwise designated as Safeguards Information or classified as National Security Information or Restricted Data.

(2) Information submitted in confidence to the Commission by a foreign source.

(e) The presiding officer, if any, or the Commission may, with reference to the NRC records and documents made available pursuant to this section, issue orders consistent with the provisions of this section and § 2.740(c).

§ 2.800 Scope of rulemaking.

This subpart governs the issuance, amendment and repeal of regulations in which participation by interested persons is prescribed under section 553 of Title 5 of the U.S. Code.

§ 2.801 Initiation of rulemaking.

Rulemaking may be initiated by the Commission at its own instance, on the recommendation of another agency of the United States, or on the petition of any other interested person.

§ 2.802 Petition for rulemaking.

(a) Any interested person may petition the Commission to issue, amend or rescind any regulation. The petition should be addressed to the Secretary, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Chief, Docketing and Service Branch.

(b) A prospective petitioner may consult with the NRC before filing a petition for rulemaking by writing the Director, Freedom of Information and Publications Services, Office of Administration, U.S. Nuclear Regulatory Commission, Washington, DC 20555, Attention: Chief, Regulatory Publications Branch. A prospective petitioner may also telephone the Regulatory Publications Branch on (301) 492-7086 or toll free on (800) 368-5642.

(1) In any consultation prior to the filing of a petition for rulemaking, the assistance that may be provided by the NRC staff is limited to—

(i) Describing the procedure and process for filing and responding to a petition for rulemaking;

(ii) Clarifying an existing NRC regulation and the basis for the regulation; and

(iii) Assisting the prospective petitioner to clarify a potential petition so that the Commission is able to understand the nature of the issues of concern to the petitioner.

(2) In any consultation prior to the filing of a petition for rulemaking, in providing the assistance permitted in paragraph (b)(1) of this section, the NRC staff will not draft or develop text or alternative approaches to address matters in the prospective petition for rulemaking.

(c) Each petition filed under this section shall:

(1) Set forth a general solution to the problem or the substance or text of any proposed regulation or amendment, or specify the regulation which is to be revoked or amended;

(2) State clearly and concisely the petitioner's grounds for and interest in the action requested;

(3) Include a statement in support of the petition which shall set forth the specific issues involved, the petitioner's views or arguments with respect to those issues, relevant technical, scientific or other data involved which is reasonably available to the petitioner, and such other pertinent information as the petitioner deems necessary to support the action sought. In support of its petition, petitioner should note any specific cases of which petitioner is aware where the current rule is unduly burdensome, deficient, or needs to be strengthened.

(d) The petitioner may request the Commission to suspend all or any part of any licensing proceeding to which the petitioner is a party pending disposition of the petition for rulemaking.

(e) If it is determined that the petition includes the information required by paragraph (c) of this section and is complete, the Director, Division of Freedom of Information and Publications Services, or designee, will assign a docket number to the petition, will cause the petition to be formally docketed, and will deposit a copy of the docketed petition in the Commission's Public Document Room. Public comment may be requested by publication of a notice of the docketing of the petition in the FEDERAL REGISTER, or, in appropriate cases, may be invited for the first time upon publication in the FEDERAL REGISTER of a proposed rule developed in response to the petition. Publication will be limited by the requirements of section 181 of the Atomic Energy Act of 1954, as amended, and may be limited by order of the Commission.

41 FR 1808

53 FR 17688

41 FR 1808

35 FR 11459

27 FR 977

44 FR 61320

56 FR 10359

44 FR 61320

53 FR 52993

44 FR 61320

(f) If it is determined by the Executive Director for Operations that the petition does not include the information required by paragraph (c) of this section and is incomplete, the petitioner will be notified of that determination and the respects in which the petition is deficient and will be accorded an opportunity to submit additional data. Ordinarily this determination will be made within 30 days from the date of receipt of the petition by the Office of the Secretary of the Commission. If the petitioner does not submit additional data to correct the deficiency within 90 days from the date of notification to the petitioner that the petition is incomplete, the petition may be returned to the petitioner without prejudice to the right of the petitioner to file a new petition.

27 FR 377

§ 2.803 Determination of petition.

No hearing will be held on the petition unless the Commission deems it advisable. If the Commission determines that sufficient reason exists, it will publish a notice of proposed rulemaking. In any other case, it will deny the petition and will notify the petitioner with a simple statement of the grounds of denial.

50 FR 13006

§ 2.804 Notice of proposed rulemaking.

(a) Except as provided by paragraph (d) of this section, when the Commission proposes to adopt, amend, or repeal a regulation, it will cause to be published in the FEDERAL REGISTER a notice of proposed rulemaking, unless all persons subject to the notice are named and either are personally served or otherwise have actual notice in accordance with law.

59 FR 44894

(g) The Director, Division of Freedom of Information and Publications Services, Office of Administration, will prepare on a semiannual basis a summary of petitions for rulemaking before the Commission, including the status of each petition. A copy of the report will be available for public inspection and copying for a fee in the Commission's Public Document Room, 2120 L Street, NW., Washington, DC.

27 FR 377

(b) The notice will include:

(1) Either the terms or substance of the proposed rule, or a specification of the subjects and issues involved;

(2) The manner and time within which interested members of the public may comment, and a statement that copies of comments may be examined in the Public Document Room;

(3) The authority under which the regulation is proposed;

(4) The time, place, and nature of the public hearing, if any;

(5) If a hearing is to be held, designation of the presiding officer and any special directions or the conduct of the hearing; and

(6) Such explanatory statement as the Commission may consider appropriate.

(c) The publication or service of notice will be made not less than fifteen (15) days prior to the time fixed for hearing, if any, unless the Commission for good cause stated in the notice provides otherwise.

50 FR 13006

(d) The notice and comment provisions contained in paragraphs (a), (b), and (c) of this section will not be required to be applied—

(1) To interpretative rules, general statements of policy, or rules of agency organization, procedure, or practice; or

(2) When the Commission for good cause finds that notice and public comment are impracticable, unnecessary, or contrary to the public interest, and are not required by statute. This finding, and the reasons therefor, will be incorporated into any rule issued without notice and comment for good cause.

(e) The Commission shall provide for a 30-day post-promulgation comment period for—

(1) Any rule adopted without notice and comment under the good cause exception on paragraph (d)(2) of this section where the basis is that notice and comment is "impracticable" or "contrary to the public interest."

(2) Any interpretative rule, or general statement of policy adopted without notice and comment under paragraph (d)(1) of this section, except for those cases for which the Commission finds that such procedures would serve no public interest, or would be so burdensome as to outweigh any foreseeable gain.

(f) For any post-promulgation comments received under paragraph (e) of this section, the Commission shall publish a statement in the Federal Register containing an evaluation of the significant comments and any revisions of the rule or policy statement made as a result of the comments and their evaluation.

§ 2.805 Participation by interested persons.

§ 2.805 Participation by interested persons.

(a) In all rulemaking proceedings conducted under the provisions of § 2.804(a), the Commission will afford interested persons an opportunity to participate through the submission of statements, information, opinions, and arguments in the manner stated in the notice. The Commission may grant additional reasonable opportunity for the submission of comments.

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(b) The Commission may hold informal hearings at which interested persons may be heard, adopting procedures which in its judgment will best serve the purpose of the hearing.

§ 2.806 Commission action.

The Commission will incorporate in the notice of adoption of a regulation a concise general statement of its basis and purpose, and will cause the notice and regulation to be published in the FEDERAL REGISTER or served upon affected persons.

§ 2.807 Effective date.

The notice of adoption of a regulation will specify the effective date. Publication or service of the notice and regulation, other than one granting or recognizing exemptions or relieving from restrictions, will be made not less than thirty (30) days prior to the effective date unless the Commission directs otherwise on good cause found and published in the notice of rule making.

§ 2.808 Authority of the Secretary to Rule on Procedural Matters.

When briefs, motions or other papers listed herein are submitted to the Commission itself, as opposed to officers who have been delegated authority to act for the Commission, the Secretary or the Assistant Secretary are authorized to:

(a) Prescribe schedules for the filing of statements, information, briefs, motions, responses or other pleadings, where such schedules may differ from those elsewhere prescribed in these rules or where these rules do not prescribe a schedule.

(b) Rule on motions for extensions of time;

(c) Reject motions, briefs, pleadings, and other documents filed with the Commission later than the time prescribed by the Secretary or the Assistant Secretary or established by an order, rule, or regulation of the Commission unless good cause is shown for the late filing; and

(d) Prescribe all procedural arrangements relating to any oral argument to be held before the Commission.

§ 2.809 Participation by the Advisory Committee on Reactor Safeguards.

(a) In its advisory capacity to the Commission, the ACRS may recommend that the Commission initiate rulemaking in a particular area. The Commission will respond to such rulemaking recommendation in writing within 90 days, noting its intent to implement, study, or defer action on the recommendation. In the event the Commission decides not to accept or decides to defer action on the recommendation, it will give its reasons for doing so. Both the ACRS recommendation and the Commission's response will be placed in the NRC Public Document Room following transmittal of the Commission's response to the ACRS.

(b) When a rule involving nuclear safety matters within the purview of the ACRS is under development by the NRC Staff, the Staff will ensure that the ACRS is given an opportunity to provide advice at appropriate stages and to identify issues to be considered during rulemaking hearings.

Subpart I—Special Procedures Applicable to Adjudicatory Proceedings Involving Restricted Data and/or National Security Information

§ 2.900 Purpose.

This subpart is issued pursuant to section 181 of the Atomic Energy Act of 1954, as amended and section 201 of the Energy Reorganization Act of 1974, as amended, to provide such procedures in proceedings subject to this part as will effectively safeguard and prevent disclosure of Restricted Data and National Security Information to unauthorized persons, with minimum impairment of procedural rights.

§ 2.901 Scope.

This subpart applies to all proceedings subject to subpart G.

§ 2.902 Definitions.

As used in this subpart:

(a) "Government agency" means any executive department, commission, independent establishment, corporation, wholly or partly owned by the United States of America, which is an instrumentality of the United States, or any board, bureau, division, service, office, officer, authority, administration, or other establishment in the executive branch of the Government.

(b) "Interested party" means a party having an interest in the issue or issues to which particular Restricted Data or National Security Information is relevant. Normally the interest of a party in an issue may be determined by examination of the notice of hearing, the answers and replies.

(c) The phrase "introduced into a proceeding" refers to the introduction or incorporation of testimony or documentary matter into any part of the official record of a proceeding subject to this part.

(d) "National Security Information" means information that has been classified pursuant to Executive Order 12358.

(e) "Party," in the case of proceedings subject to this subpart includes a person admitted as a party pursuant to § 2.714 or in interested State admitted pursuant to § 2.715(c).

§ 2.903 Protection of restricted data and national security information.

Nothing in this subpart shall relieve any person from safeguarding Restricted Data or National Security Information in accordance with the applicable provisions of laws of the United States and rules,

regulations or orders of any Government Agency.

§ 2.904 Classification assistance.

On request of any party to a proceeding or of the presiding officer, the Commission will designate a representative to advise and assist the presiding officer and the parties with respect to security classification of information and the safeguards to be observed.

§ 2.905 Access to restricted data and national security information for parties; security clearances.

(a) Access to restricted data and national security information introduced into proceedings. Except as provided in paragraph (h) of this section, restricted data or national security information introduced into a proceeding subject to this part will be made available to any interested party having the required security clearance; to counsel for an interested party provided the counsel has the required security clearance; and to such additional persons having the required security clearance as the Commission or the presiding officer determined are needed by such party for adequate preparation or presentation of his case. Where the interest of such party will not be prejudiced, the Commission or presiding officer may postpone action upon an application for access under this subparagraph until after a notice of hearing, answers, and replies have been filed.

(b) Access to Restricted Data or National Security Information not introduced into proceedings. (1) On application showing that access to Restricted Data or National Security Information may be required for the preparation of a party's case, and except as provided in paragraph (h) of this section, the Commission or the presiding officer will issue an order granting access to such Restricted Data or National Security Information to the party upon his obtaining the required security clearance, to counsel for the party upon their obtaining the required security clearance, and to such other individuals as may be needed by the party for the preparation and presentation of his case upon their obtaining the required clearance.

(2) Where the interest of the party applying for access will not be prejudiced, the Commission or the presiding officer may postpone action on an application pursuant to this paragraph until after a notice of hearing, answers and replies have been filed.

(c) The Commission will consider requests for appropriate security clearances in reasonable numbers pursuant to this section. A reasonable charge will be made by the Commission for costs of security clearance pursuant to this section.

(d) The presiding officer may certify to the Commission for its consideration and determination any questions relating to access to Restricted Data or National Security Information arising under this section. Any party affected by a determination or order of the presiding officer under this section may appeal forthwith to the Commission from the determination or order. The filing by the staff of an appeal from an order of a presiding officer granting access to Restricted Data or National Security Information shall stay the order pending determination of the appeal by the Commission.

(e) Application granting access to restricted data or national security information. (1) An application under this section for orders granting access to restricted data or national security information not received from another Government agency will normally be acted upon by the presiding officer, or if a proceeding is not before a presiding officer, by the Commission (2) An application under this section for orders granting access to restricted data or national security information where the information has been received by the Commission from another Government agency will be acted upon by the Commission.

(f) To the extent practicable, an application for an order granting access under this section shall describe the subjects of Restricted Data or National Security Information to which access is desired and the level of classification (confidential, secret or other) of the information; the reasons why access to the information is requested; the names of individuals for whom clearances are requested; and the reasons why security clearances are being requested for those individuals.

(g) On the conclusion of a proceeding, the Commission will terminate all orders issued in the proceeding for access to Restricted Data or National Security Information and all security clearances granted pursuant to them; and may issue such orders requiring the disposal of classified matter received pursuant to them or requiring the observance of other procedures to safeguard such classified matter as it deems necessary to protect Restricted Data or National Security information.

(h) Refusal to grant access to restricted data or national security information. (1) The Commission will not grant access to restricted data or national security information unless it determines that the granting of access will not be inimical to the common defense and security. (2) Access to Restricted Data or National Security Information which has been received by the Commission from another Government agency will not be granted by the Commission if the originating agency determines in writing that access should not be granted. The Commission will consult the originating agency prior to granting access to such data or information received from another Government agency.

§ 2.906 Obligation of parties to avoid introduction of restricted data or national security information.

It is the obligation of all parties in a proceeding subject to this part to avoid, where practicable, the introduction of Restricted Data or National Security Information into the proceeding. This obligation rests on each party whether or not all other parties have the required security clearance.

§ 2.907 Notice of intent to introduce restricted data or national security information.

(a) If, at the time of publication of a notice of hearing, it appears to the staff that it will be impracticable for it to avoid the introduction of Restricted Data or National Security Information into the proceeding, it will file a notice of intent to introduce Restricted Data or National Security Information.

(b) If, at the time of filing of an answer to the notice of hearing it appears to the party filing that it will be impracticable for the party to avoid the introduction of Restricted Data or National Security Information into the proceeding, the party shall state in the answer a notice of intent to introduce Restricted Data or National Security Information into the proceeding.

(c) If, at any later stage of a proceeding, it appears to any party that it will be impracticable to avoid the introduction of Restricted Data or National Security Information into the proceeding, the party shall give to the other parties prompt written notice of intent to introduce Restricted Data or National Security Information into the proceeding.

(d) Restricted Data or National Security Information shall not be introduced into a proceeding after publication of a

notice of hearing unless a notice of intent has been filed in accordance with § 2.908, except as permitted in the discretion of the presiding officer when it is clear that no party or the public interest will be prejudiced.

§ 2.908 Contents of notice of intent to introduce restricted data or other national security information.

(a) A party who intends to introduce Restricted Data or other National Security Information shall file a notice of intent with the Secretary. The notice shall be unclassified and, to the extent consistent with classification requirements, shall include the following:

- (1) The subject matter of the Restricted Data or other National Security Information which it is anticipated will be involved;
- (2) The highest level of classification of the information (confidential, secret, or other);
- (3) The stage of the proceeding at which he anticipates a need to introduce the information; and
- (4) The relevance and materiality of the information to the issues on the proceeding.

(b) In the discretion of the presiding officer, such notice, when required by § 2.907(c), may be given orally on the record.

§ 2.909 Rearrangement or suspension of proceedings.

In any proceeding subject to this part where a party gives a notice of intent to introduce Restricted Data or other National Security Information, and the presiding officer determines that any other interested party does not have required security clearances, the presiding officer may in his discretion:

- (a) Rearrange the normal order of the proceeding in a manner which gives such interested parties an opportunity to obtain required security clearances with minimum delay in the conduct of the proceeding.
- (b) Suspend the proceeding or any portion of it until all interested parties have had opportunity to obtain required security clearances. No proceeding shall be suspended for such reasons for more than 100 days except with the consent of all parties or on a determination by the presiding officer that further suspension of the proceeding would not be contrary to the public interest.
- (c) Take such other action as he determines to be in the best interest of all parties and the public.

§ 2.910 Unclassified statements required.

(a) Whenever Restricted Data or other National Security Information is introduced into a proceeding, the party offering it shall submit to the presiding officer and to all parties to the proceeding an unclassified statement setting forth the information in the classified matter as accurately and completely as possible.

(b) In accordance with such procedures as may be agreed upon by the parties or prescribed by the presiding officer, and after notice to all parties and opportunity to be heard thereon, the presiding officer shall determine whether the unclassified statement or any portion of it, together with any appropriate modifications suggested by any party, may be substituted for the classified matter or any portion of it without prejudice to the interest of any party or to the public interest.

(c) If the presiding officer determines that the unclassified statement, together with such unclassified modifications as he finds are necessary or appropriate to protect the interest of other parties and the public interest, adequately sets forth information in the classified matter which is relevant and material to the issues in the proceeding, he shall direct that the classified matter be excluded from the record of the proceeding. His determination will be considered by the Commission as a part of the decision in the event of review.

(d) If the presiding officer determines that an unclassified statement does not adequately present the information contained in the classified matter which is relevant and material to the issues in the proceeding, he shall include his reasons in his determination. This determination shall be included as part of the record and will be considered by the Commission in the event of review of the determination.

(e) The presiding officer may postpone all or part of the procedures established in this section until the reception of all other evidence has been completed. Service of the unclassified statement required in paragraph (a) of this section shall not be postponed if any party does not have access to Restricted Data or other National Security Information.

§ 2.911 Admissibility of restricted data or other national security information.

A presiding officer shall not receive any Restricted Data or other National Security Information in evidence unless:

(a) The relevance and materiality of the Restricted Data or other National Security Information to the issues in the proceeding, and its competence, are clearly established; and

(b) The exclusion of the Restricted Data or other National Security Information would prejudice the interests of a party or the public interest.

§ 2.912 Weight to be attached to classified evidence.

In considering the weight and effect of any Restricted Data or other National Security Information received in evidence to which an interested party has not had opportunity to receive access, the presiding officer and the Commission shall give to such evidence such weight as is appropriate under the circumstances, taking into consideration any lack of opportunity to rebut or impeach the evidence.

§ 2.913 Review of Restricted data or other National Security Information received in evidence.

At the close of the reception of evidence, the presiding officer shall review the record and shall direct that any Restricted Data or other National Security Information be expunged from the record where such expunction would not prejudice the interests of a party or the public interest. Such directions by the presiding officer will be considered by the Commission in the event of review of the determinations of the presiding officer.

§ 2.914 [Deleted 40 FR 44124.]

Subpart J—Procedures Applicable to Proceedings for the Issuance of Licenses for the Receipt of High-Level Radioactive Waste at a Geologic Repository

§ 2.1000 Scope of subpart.

The rules in this subpart govern the procedure for applications for a license to receive and possess high-level radioactive waste at a geologic repository operations area noticed pursuant to § 2.101(f)(8) or § 2.105(a)(5) of this part. The procedures in this subpart take precedence over the 10 CFR part 2, subpart G, rules of general applicability, except for the following provisions: §§ 2.702, 2.703, 2.704, 2.707, 2.709, 2.711, 2.713, 2.715, 2.715a, 2.717, 2.718, 2.720, 2.721, 2.722, 2.732, 2.733, 2.734, 2.742, 2.743, 2.750, 2.751, 2.753, 2.754, 2.755, 2.756, 2.757, 2.758, 2.759, 2.760, 2.761, 2.763, 2.770, 2.771, 2.772, 2.780, 2.781, 2.786, 2.788, and 2.790.

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§ 2.1001 Definitions.

"ASCII File" means a computerized text file conforming to the American Standard Code for Information Interchange which represent characters and symbols.

"Bibliographic header" means the minimum series of descriptive fields that a potential party, interested governmental participant, or party must submit with a document or other material. The bibliographic header fields are a subset of the fields in the full header.

"Circulated draft" means a nonfinal document circulated for supervisory concurrence or signature in which the original author or others in the concurrence process have non-concurred. A "circulated draft" meeting the above criterion includes a draft of a document that eventually becomes a final document, and a draft of a document that does not become a final document due to either a decision not to finalize the document or the passage of a substantial period of time in which no action has been taken on the document.

"Document" means any written, printed, recorded, magnetic, graphic matter, or other documentary material, regardless of form or characteristic.

"Documentary material" means any material or other information that is relevant to, or likely to lead to the discovery of information that is relevant to, the licensing of the likely candidate site for a geologic repository. The scope of documentary material shall be guided by the topical guidelines in the applicable NRC Regulatory Guide.

"DOE" means the U.S. Department of Energy or its duly authorized representatives.

"Full header" means the series of descriptive fields and subject terms given to a document or other material.

"Image" means a visual likeness of a document, presented on a paper copy, microform, or a bit-map on optical or magnetic media.

"Interested governmental participant" means any person admitted under § 2.715(c) of this part to the proceeding on an application for a license to receive and possess high-level radioactive waste at a geologic repository operations area pursuant to Part 60 of this chapter.

"LSS Administrator" means the person within the U.S. Nuclear Regulatory Commission responsible for administration, management, and operation of the Licensing Support System. The LSS Administrator shall not be in any organizational unit that either represents the U.S. Nuclear Regulatory Commission staff as a party to the high-level waste licensing proceeding or is a part of the management chain reporting to the Director of the Office of Nuclear Material Safety and Safeguards. For purposes of this subpart the organizational unit within the NRC selected to be the LSS Administrator shall not be considered to be a party to the proceeding.

"Marginalia" means handwritten, printed, or other types of notations added to a document excluding underlining and highlighting.

"NRC" means the U.S. Nuclear Regulatory Commission or its duly authorized representatives.

Party for the purpose of this subpart means the DOE, the NRC staff, the host State and any affected Indian Tribe in accordance with § 60.63(a) of this chapter, and a person admitted under § 2.1014 of this subpart to the proceeding on an application for a license to receive and possess high-level radioactive waste at a geologic repository operations area pursuant to part 60 of this chapter; provided that a host State or affected Indian Tribe shall file a list of contentions in accordance with the provisions of §§ 2.1014(a)(2) (ii) and (iii) of this subpart.

"Personal record" means a document in the possession of an individual associated with a party, interested governmental participant, or potential party that was not required to be created or retained by the party, interested governmental participant, or potential party, and can be retained or discarded at the possessor's sole discretion, or documents of a personal nature that are not associated with any business of the party, interested governmental participant, or potential party.

Potential party means any person who, during the period before the issuance of the first pre-hearing conference order under § 2.1021(d) of this subpart, is granted access to the Licensing Support System and who consents to comply with the regulations set forth in subpart [] of this part, including the authority of the Pre-License Application Presiding Officer designated pursuant to § 2.1010 of this subpart.

"Pre-license application phase" means the time period before the license application to receive and possess high-level radioactive waste at a geologic repository operations area is docketed under section 2.101(f)(3) of this part.

Pre-License Application Presiding Officer means one or more members of the Commission, or an atomic safety and licensing board, or a named officer who has been delegated final authority in the pre-license application phase with jurisdiction specified at the time of designation.

"Preliminary draft" means any nonfinal document that is not a circulated draft.

Presiding Officer means one or more members of the Commission, or an atomic safety and licensing board, or a named officer who has been delegated final authority in the matter, designated in the notice of hearing to preside.

"Searchable full text" means the electronic indexed entry of a document in ASCII into the Licensing Support System that allows the identification of specific words or groups of words within a text file.

§ 2.1002 High-level waste Licensing Support System.

(a) The Licensing Support System is an electronic information management system containing the documentary material of the DOE and its contractors, and the documentary material of all other parties, interested governmental participants and potential parties and their contractors. Access to the Licensing Support System by the parties, interested governmental participants, and potential parties provides the document discovery in the proceeding. The Licensing Support System provides for the electronic transmission of filings by the parties during the high-level waste proceeding, and orders and decisions of the Commission and Commission adjudicatory boards related to the proceeding.

(b) The Licensing Support System shall include documentary material not privileged under § 2.1006 or excluded under § 2.1005 of this subpart.

(c) The participation of the host State in the Licensing Support System during the pre-license application phase shall not have any affect on the State's exercise of its disapproval rights under section 116(b)(2) of the Nuclear Waste Policy Act, as amended, 42 U.S.C. 10136(b)(2).

(d) This subpart shall not affect any independent right of a potential party, interested governmental participant or party to receive information.

§ 2.1003 Submission of material to the LSS.

(a) Subject to the exclusions in § 2.1005 of this subpart and paragraphs (c) and (d) of this section, each potential party, interested governmental participant or party, with the exception of the DOE and the NRC, shall submit to the LSS Administrator—

(1) Subject to paragraph (a)(3) of this section, an ASCII file, an image, and a bibliographic header, reasonably contemporaneous with its creation or acquisition, for all documentary material (including circulated drafts but excluding preliminary drafts) generated by, or at the direction of, or acquired by, a potential party, interested governmental participant, or party after the date on which such potential party, interested governmental participant or party is given access to the Licensing Support System.

(2) An image, a bibliographic header, and, if available, an ASCII file, no later than six months before the license application is submitted under § 60.22 of this chapter, for all documentary material (including circulated drafts but excluding preliminary drafts), generated

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by, or at the direction of, or acquired by, a potential party, interested governmental participant, or party, on or before the date on which such potential party, interested governmental participant, or party was given access to the Licensing Support System.

(3) An image and bibliographic header for documentary material included under paragraphs (a)(1) of this section that were acquired from a person that is not a potential party, party, or interested governmental participant.

(b) Subject to the exclusions in § 2.1005 of this subpart, and subject to paragraphs (c) and (d) of this section, the DOE and the NRC shall submit to the LSS Administrator—

(1) An ASCII file, an image, and a bibliographic header, reasonably contemporaneous with its creation or acquisition, for all documentary material (including circulated drafts but excluding preliminary drafts) generated by, or at the direction of, or acquired by, the DOE or the NRC after the date on which the Licensing Support System is available for access.

(2) An ASCII file, an image, and a bibliographic header no later than six months before the license application is submitted under § 60.22 of this chapter for all documentary material (including circulated drafts but excluding preliminary drafts) generated by, or at the direction of, or acquired by, the DOE or the NRC on or before the date on which the Licensing Support System is available for access.

(c)(1) Each potential party, interested governmental participant, or party shall submit, subject to the claims of privilege in § 2.1006, an image and a bibliographic header, in a time frame to be established by the access protocols under § 2.1011(d)(10) of this subpart, for all graphic oriented documentary material. Graphic-oriented documentary material includes, raw data, computer runs, computer programs and codes, field notes, laboratory notes, maps, diagrams and photographs which have been printed, scripted, hand written or otherwise displayed in any hard copy form and which, while capable of being captured in electronic image by a digital scanning device, may be captured and submitted to the LSS Administrator in any form of image. Text embedded within these documents need not be separately entered in searchable full text. Such graphic-oriented documents may include: Calibration procedures, logs, guidelines, data and discrepancies; Gauge, meter and computer settings; Probs locations; Logging intervals and rates; Data logs in whatever form captured; Text data sheets; Equations and sampling rates; Sensor data and procedures; Data Descriptions; Field and laboratory notebooks; Analog computer, meter or other device print-outs; Digital computer print-outs; Photographs; Graphs, plots, strip charts, sketches;

Descriptive material related to the information above.

(2) Each potential party, interested governmental participant, or party, in a time frame to be established by the access protocols under § 2.1011(d)(10) of this subpart, shall submit, subject to the claims of privilege in § 2.1006, only a bibliographic header for each item of documentary material that is not suitable for entry into the Licensing Support System in image or searchable full text. The header shall include all required fields and shall sufficiently describe the information and references to related information and access protocols. Whenever any documentary material is transferred to some other media, a new header shall be supplied. Any documentary material for which a header only has been supplied to the system shall be made available to any other party, potential party or interested governmental participant through the access protocols determined by the LSS Administrator under § 2.1011(d)(10) or through entry upon land for inspection and other purposes pursuant to § 2.1020.

(3) Whenever documentary material described in paragraphs (c)(1) or (c)(2) of this section has been collected or used in conjunction with other such information to analyze, critique, support or justify any particular technical or scientific conclusion, or relates to other documentary material as part of the same scope of technical work or investigation, then an appropriate bibliographic header shall be submitted for a table of contents describing that package of information, and documentary material contained within that package shall be named and identified.

(d) Each potential party, interested governmental participant, or party shall submit a bibliographic header for each documentary material—

- (1) For which a claim of privilege is asserted; or
- (2) Which constitutes confidential financial or commercial information; or
- (3) Which constitutes safeguards information under § 73.21 of this Chapter.

(e) In addition to the submission of documentary material under paragraphs (a) and (b) of this section, potential parties, interested governmental participants, or parties may request that another potential party's, interested governmental participant's, party's, or third party's documentary material be entered into the Licensing Support System in searchable full text if they or the other potential party, interested governmental participant, or party intend to rely on such documentary material during the licensing proceeding.

(f) Submission of ASCII files, images, and bibliographic headers shall be in accordance with established criteria.

(g) Basic licensing documents generated by DOE, such as the Site

Characterization Plan, the Environmental Impact Statement, and the license application, or by NRC such as the Site Characterization Analysis, and the Safety Evaluation Report, shall be submitted to the LSS Administrator by the respective agency that generated the document.

(h)(1) Docketing of the application for a license to receive and possess high-level radioactive waste at a geologic repository operations area shall not be permitted under Subpart J of this part unless the LSS Administrator has certified, at least six months in advance of the submission of the license application, that the DOE has substantially complied with its obligations under this section.

(2)(i) The LSS Administrator shall evaluate the extent of the DOE's compliance with the provisions of this section at six month intervals beginning six months after his or her appointment under § 2.1011 of this subpart.

(ii) The LSS Administrator shall issue a written report of his or her evaluation of DOE compliance under paragraph (h)(1) of this section. The report shall include recommendations to the DOE on any actions necessary to achieve substantial compliance pursuant to paragraph (h)(1) of this section.

(iii) The LSS administrator shall circulate each evaluation prepared pursuant to paragraph (h)(2)(i) of this section, and the written report prepared pursuant to paragraph (h)(2)(ii) of this section, to potential parties to the high level waste proceeding. Potential parties may submit comments or objections to the evaluations prepared pursuant to paragraph (h)(2)(i) of this section or the report prepared pursuant to paragraph (h)(2)(ii) of this section, to the LSS Administrator within 30 days of issuance of the evaluation or report. Comments or objections not filed within this time period are waived.

(3)(i) In the event that the LSS Administrator does not certify substantial compliance under paragraph (h)(1) of this section, the proceeding on the application for a license to receive and possess high-level radioactive waste at a geologic repository operations area shall be governed by Subpart G of this part.

(ii) If, subsequent to the submission of such application under Subpart G of this part, the LSS Administrator issues the certification described in paragraph (h)(1) of this section, the Commission may, upon request by any party or interested governmental participant to the proceeding, specify the extent to which the provisions of Subpart J of this part may be used in the proceeding.

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§ 2.1004 Amendments and additions.

(a) Within sixty days after a document has been entered into the Licensing Support System by the LSS Administrator during the pre-license application phase, and within five days after a document has been entered into the Licensing Support System by the LSS Administrator after the license application has been docketed, the submitter shall make reasonable efforts to verify that the document has been entered correctly, and shall notify the LSS Administrator of any errors in entry.

(b) After the time period specified for verification in paragraph (a) of this section has expired, a submitter who desires to amend an incorrect document shall—

(1) Submit the corrected version to the LSS Administrator for entry as a separate document; and

(2) Submit a bibliographic header for the corrected version that identifies all revisions to the corrected version.

(3) The LSS Administrator shall ensure that the bibliographic header for the original document specifies that a corrected version is also in the Licensing Support System.

(c)(1) A submitter shall submit any revised pages of a document in the Licensing Support System to the LSS Administrator for entry into the Licensing Support System as a separate document.

(2) The LSS Administrator shall ensure that the bibliographic header for the original document specifies that revisions have been entered into the Licensing Support System.

(d) Any document that has been incorrectly excluded from the Licensing Support System must be submitted to the LSS Administrator by the potential party, interested governmental participant, or party responsible for the submission of the document within two days after its exclusion has been identified unless some other time is approved by the Pre-License Application Presiding Officer or the Presiding Officer designated for the high-level waste proceeding; provided, however, that the time for submittal under this paragraph will be stayed pending Officer action on a motion to extend the time for submittal.

§ 2.1005 Exclusions.

The following material is excluded from entry into the Licensing Support System, either through initial entry pursuant to § 2.1003 of this subpart, or through derivative discovery pursuant to § 2.1019(i) of this subpart—

(a) Official notice materials;

(b) Reference books and text books;

(c) Material pertaining exclusively to administration, such as material related to budgets, financial management, personnel, office space, general distribution memoranda, or procurement, except for the scope of work on a procurement related to repository siting, construction, or operation, or to the transportation of spent nuclear fuel or high-level waste;

(d) Press clippings and press releases;

(e) Junk mail;

(f) Preferences cited in contractor reports that are readily available;

(g) Classified material subject to Subpart I of this Part.

§ 2.1006 Privilege.

(a) Subject to the requirements in § 2.1003(d) of this subpart, the traditional discovery privileges recognized in NRC adjudicatory proceedings and the exceptions from disclosure in § 2.790 of this part may be asserted by potential parties, interested governmental participants, and parties. In addition to Federal agencies, the deliberative process privilege may also be asserted by State and local government entities and Indian Tribes.

(b) Any document for which a claim of privilege is asserted, but is denied in whole or in part by the Pre-License Application Presiding Officer or the Presiding Officer, must be submitted by the party, interested governmental participant, or potential party that asserted the claim to—

(1) The LSS Administrator for entry into the Licensing Support System into an open access file; or

(2) To the LSS Administrator or to the Pre-License Application Presiding Officer or to the Presiding Officer, for entry into a Protective Order file, if the Pre-License Application Presiding Officer or the Presiding Officer so directs under § 2.1010(b) or § 2.1018(c) of this subpart.

(c) Notwithstanding any availability of the deliberative process privilege under paragraph (a) of this section, circulated drafts not otherwise privileged shall be submitted for entry into the Licensing Support System pursuant to §§ 2.1003(a) and 2.1003(b) of this subpart.

§ 2.1007 Access.

(a)(1) Terminals for access to full headers for all documents in the Licensing Support System during the pre-license application phase, and images of the non-privileged documents of DOE, shall be provided at the headquarters of DOE, and at all DOE Local Public Document Rooms established in the vicinity of the likely candidate site for a geologic repository.

(2) Terminals for access to full headers for all documents in the Licensing Support System during the

pre-license application phase, and images of the non-privileged documents of NRC, shall be provided at the headquarters Public Document Room of NRC, and at all NRC Local Public Document Rooms established in the vicinity of the likely candidate site for geologic repository, and at the NRC Regional Offices, including the Uranium Recovery Field Office in Denver, Colorado.

(3) The access terminals specified in paragraphs (a)(1) and (a)(2) of this section shall include terminals at Las Vegas, Nevada; Reno, Nevada; Carson City, Nevada; Nye County, Nevada; and Lincoln County, Nevada.

(4) The headers specified in paragraphs (a)(1) and (a)(2) of this section shall be available at the same time that those headers are made available to the potential parties, parties, and interested governmental participants.

(5) Public access to the searchable full text and images of all the documents in the Licensing Support System, not privileged under section 2.1006, shall be provided by the LSS Administrator at all the locations specified in paragraphs (a)(1) and (a)(2) of this section after a notice of hearing has been issued pursuant to § 2.101(f)(8) or § 2.105(a)(5) on an application for a license to receive and possess high-level radioactive waste at a geologic repository operations area.

(b) Public availability of paper copies of the records specified in paragraph (a) of this section, as well as duplication fees, and fee waiver for those records, will be governed by the Freedom of Information Act regulations of the respective agencies.

(c) Access to the Licensing Support System for potential parties, interested governmental participants, and parties will be provided in the following manner—

(1) Full text search capability through dial-up access from remote locations at the requestor's expense;

(2) Image access at remote locations at the requestor's expense;

(3) The capability to electronically request a paper copy of a document at the time of search;

(4) Generic fee waiver for the paper copy requested under paragraph (c)(3) of this section for requestors who meet the criteria in § 9.41 of this chapter.

(d) Documents submitted to the LSS Administrator for entry into the Licensing Support System shall not be considered as agency records of the LSS Administrator for purposes of the Freedom of Information Act (FOIA), 5 U.S.C. 552, and shall remain under the

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custody and control of the agency or organization that submitted the documents to the LSS Administrator. Requests for access pursuant to the FOIA to documents submitted by a Federal agency shall be transmitted to that Federal agency.

§ 2.1008 Potential parties.

(a) A person may petition the Pre-License Application Presiding Officer designated pursuant to § 2.1010 of this subpart for access to the Licensing Support System.

(b) A petition must set forth with particularity the interest of the petitioner in gaining access to the Licensing Support System with particular reference to—

(1) The factors set out in § 2.1014(c) (1), (2), and (3) of this subpart as determined in reference to the topical guidelines in the applicable NRC Regulatory Guide; or

(2) The criteria in § 2.715(c) of this part as determined in reference to the topical guidelines in the applicable NRC Regulatory Guide.

(c) The Pre-License Application Presiding Officer shall, in ruling on a petition for access, consider the factors set forth in paragraph (b) of this section.

(d) Any person whose petition for access is approved pursuant to paragraph (c) of this section shall comply with the regulations set forth in this subpart, including § 2.1003 and agree to comply with the orders of the Pre-License Application Presiding Officer designated pursuant to § 2.1010 of this subpart.

§ 2.1009 Procedures.

(a) Each potential party, interested governmental participant, or party shall—

(1) Designate an official who will be responsible for administration of its Licensing Support System responsibilities;

(2) Establish procedures to implement the requirements in § 2.1003 of this subpart;

(3) Provide training to its staff on the procedures for implementation of Licensing Support System responsibilities;

(4) Ensure that all documents carry the submitter's unique identification number;

(5) Cooperate with the advisory review process established by the LSS Administrator pursuant to § 2.1011(e) of this subpart.

(b) The responsible official designated pursuant to paragraph (a)(1) of this section shall certify to the LSS Administrator, at six month intervals designated by the LSS Administrator,

that the procedures specified in paragraph (a)(2) of this section have been implemented, and that to the best of his or her knowledge, the documentary material specified in § 2.1003 of this subpart has been identified and submitted to the Licensing Support System.

§ 2.1010 Pre-License Application Presiding Officer.

(a)(1) The Commission may designate one or more members of the Commission, or an atomic safety and licensing board, or a named officer who has been delegated final authority on the matter (Pre-License Application Presiding Officer) to rule on all petitions for access to the Licensing Support System submitted under § 2.1008; disputes over the entry of documents during the pre-license application phase, including disputes relating to relevance and privilege; disputes relating to the LSS Administrator's decision on substantial compliance pursuant to § 2.1003(h); discovery disputes; disputes relating to access to the Licensing Support System; disputes relating to the design and development of the Licensing Support System by DOE or the operation of the Licensing Support System by the LSS Administrator under § 2.1011, including disputes relating to the implementation of the recommendations of the LSS Advisory Review Panel established under § 2.1011(e).

(2) The Pre-License Application Presiding Officer shall be designated six months before access to the Licensing Support System is scheduled to be available.

(b) The Pre-License Application Presiding Officer shall rule on any claim of document withholding to determine—

(1) Whether it is documentary material within the scope of this subpart;

(2) Whether the material is excluded from entry into the Licensing Support System under § 2.1005 of this subpart;

(3) Whether the material is privileged or otherwise excepted from disclosure under section 2.1006 of this subpart;

(4) If privileged, whether it is an absolute or qualified privilege;

(5) If qualified, whether the document should be disclosed because it is necessary to a proper decision in the proceeding;

(6) Whether the material should be disclosed under a protective order containing such protective terms and conditions (including affidavits of nondisclosure) as may be necessary and appropriate to limit the disclosure to potential participants, interested governmental participants and parties in the proceeding, or to their qualified witnesses and counsel. When Safeguards Information protected from disclosure under section 147 of the Atomic Energy Act, as amended, is received and possessed by a potential

party, interested governmental participant, or party, other than the Commission staff, it shall also be protected according to the requirements of § 73.21 of this chapter. The Pre-License Application Presiding Officer may also prescribe such additional procedures as will effectively safeguard and prevent disclosure of Safeguards Information to unauthorized persons with minimum impairment of the procedural rights which would be available if Safeguards Information were not involved. In addition to any other sanction that may be imposed by the Pre-License Application Presiding Officer for violation of an order pertaining to the disclosure of Safeguards Information protected from disclosure under section 147 of the Atomic Energy Act, as amended, may be subject to a civil penalty imposed pursuant to § 2.205. For the purpose of imposing the criminal penalties contained in section 223 of the Atomic Energy Act, as amended, any order issued pursuant to this paragraph with respect to Safeguards Information shall be deemed an order issued under section 161b of the Atomic Energy Act.

(c) Upon a final determination that the material is relevant, and not privileged, exempt from disclosure, or otherwise exempt from entry into the Licensing Support System under § 2.1005 of this subpart, the potential party, interested governmental participant, or party who asserted the claim of withholding must submit the document to the LSS Administrator within two days for entry into the Licensing Support System.

(d) The service of all pleadings, discovery requests and answers, orders, and decisions during the pre-license application phase shall be made according to the procedures specified in § 2.1013(c) of this subpart.

(e) The Pre-License Application Presiding Officer shall possess all the general powers specified in §§ 2.721(d) and 2.718.

(f) The Commission, in designating the Pre-License Application Presiding Officer in accordance with paragraphs (a) (1) and (2) of this section, shall specify the jurisdiction of the Officer.

§ 2.1011 LSS Management and administration.

(a) The Licensing Support System shall be administered by the LSS Administrator who will be designated within sixty days after the effective date of the rule.

(b)(1) Consistent with the requirements in this subpart, and in consultation with the LSS Administrator, DOE shall be responsible for the design and development of the computer system necessary to implement the Licensing Support

System, including the procurement of computer hardware and software, and, with the concurrence of the LSS Administrator, the follow-on redesign and procurement of equipment necessary to maintain the Licensing Support System.

(2) With respect to the procurement undertaken pursuant to paragraph (b)(1) of this section, a representative of the LSS Administrator shall participate as a member of the Source Evaluation Panel for such procurement.

(3) DOE shall implement consensus advice from the LSS Advisory Review Panel under paragraph (f)(1) of this section that is consistent with the requirements of this subpart.

(c)(1) The Licensing Support System, described in § 2.1002, shall not be part of any computer system that is controlled by any party, interested governmental participant, or potential party, including DOE and its contractors, or that is physically located on the premises of any party, interested governmental participant, or potential party, including DOE and that of its contractors.

(2) Nothing in this subpart shall preclude DOE, NRC, or any other party, potential party, or interested governmental participant, from using the Licensing Support System computer facility for a records management system for documentary material independent of the Licensing Support System.

(d) The LSS Administrator shall be responsible for the management and administration of the Licensing Support System, including the responsibility to—

(1) Implement the consensus advice of the LSS Advisory Review Panel under paragraph (f) of this section that is consistent with the requirements of this subpart;

(2) Provide the necessary personnel, materials, and services for operation and maintenance of the Licensing Support System;

(3) Identify and recommend to DOE any redesign or procurement actions necessary to ensure that the design and operation of the Licensing Support System meets the objectives of this subpart;

(4) Make a concurrence decision, within thirty days of a request from DOE, on any redesign and related procurement performed by DOE under paragraph (b) of this section;

(5) Consult with DOE on the design and development of the Licensing Support System under paragraph (b) of this section;

(6) Evaluate and certify compliance with the requirements of this subpart under § 2.1003(h);

(7) Ensure LSS availability and the integrity of the LSS data base;

(8) Receive and enter the documentary material specified in § 2.1003 of this subpart into the Licensing Support System in the appropriate format;

(9) Maintain security for the Licensing Support System data base, including assigning user password security codes;

(10) Establish access protocols for raw data, field notes, and other items covered by § 2.1003(c) of this subpart;

(11) Maintain the thesaurus and authority tables for the Licensing Support System;

(12) Establish and implement a training program for Licensing Support System users;

(13) Provide support staff to assist users of the Licensing Support System;

(14) Other duties as specified in this subpart or necessary for Licensing Support System operation and maintenance.

(e)(1) The LSS Administrator shall establish an LSS Advisory Review Panel composed of the LSS Advisory Committee members identified in paragraph (e)(2) of this section who wish to serve within sixty days after designation of the LSS Administrator pursuant to paragraph (a) of this section. The LSS Administrator shall have the authority to appoint additional representatives to the Advisory Review Panel consistent with the requirements of the Federal Advisory Committee Act, 5 U.S.C. App. 1, giving particular consideration to potential parties, parties, and interested governmental participants who were not members of the NRC HLW Licensing Support System Advisory Committee.

(2) Pending the establishment of the LSS Advisory Review Panel under paragraph (e)(1) of this section, the NRC will establish a Licensing Support System Advisory Committee whose membership will initially include the State of Nevada, a coalition of affected units of local government in Nevada who were on the NRC High-Level Waste Licensing Support System Advisory Committee, DOE, NRC, the National Congress of American Indians, the coalition of national environmental groups who were on the NRC High-Level Waste Licensing Support System Advisory Committee and such other members as the Commission may from time to time designate to perform the responsibilities in paragraph (f) of this section.

(f)(1) The LSS Advisory Review Panel shall provide advice to—(i) DOE on the fundamental issues of the design and development of the computer system necessary to implement the Licensing

Support System under paragraph (b) of this section; and

(ii) The LSS Administrator on the operation and maintenance of the Licensing Support System under paragraph (d) of this section.

(2) The responsibilities of the LSS Advisory Review Panel shall include advice on—(i) Format standards for the submission of documentary material to the Licensing Support System by the parties, interested governmental participants, or potential parties, such as ASCII files, bibliographic headers, and images;

(ii) The procedures and standards for the electronic transmission of filings, orders, and decisions during both the pre-license application phase and the high-level waste licensing proceeding;

(iii) Access protocols for raw data, field notes, and other items covered by § 2.1003(c) of this subpart;

(iv) A thesaurus and authority tables;

(v) Reasonable requirements for headers, the control of duplication, retrieval, display, image delivery, query response, and "user friendly" design;

(vi) Other duties as specified in this subpart or as directed by the LSS Administrator.

§ 2.1012 Compliance.

(a) In addition to the requirements of § 2.101(f) of this part, the Director of the NRC Office of Nuclear Materials Safety and Safeguards may determine that the tendered application is not acceptable for docketing under this subpart, if the LSS Administrator has not issued the certification described in § 2.1003(h)(1) of this part.

(b)(1) A person, including a potential party granted access to the Licensing Support System under § 2.1008 of this subpart, shall not be granted party status under § 2.1014 of this part, or status as an interested governmental participant under § 2.715(c) of this part, if it cannot demonstrate substantial and timely compliance with the requirements of § 2.1003 of this subpart at the time it requests participation in the high-level waste licensing proceeding under either § 2.1014 or § 2.715(c) of this part.

(2) A person denied party status or interested governmental participant status under paragraph (b)(1) of this section may request party status or interested governmental participant status upon a showing of subsequent compliance with the requirements of § 2.1003 of this subpart. Admission of such a party or interested governmental participant under § 2.1014 of this subpart or § 2.715(c) of this part, respectively, shall be conditioned on accepting the status of the proceeding at the time of admission.

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(c) The Presiding Officer shall not make a finding of substantial and timely compliance pursuant to paragraph (b) of this section for any person who is not in compliance with all applicable orders of the Pre-License Application Presiding Officer designated pursuant to § 2.1010.

(d) Access to the Licensing Support System may be suspended or terminated by the Pre-License Application Presiding Officer or the Presiding Officer for any potential party, interested governmental participant or party who is in noncompliance with any applicable order of the Pre-License Application Presiding Officer or the Presiding Officer or the requirements of this subpart.

§ 2.1013 Use of LSS during the adjudicatory proceeding.

(a)(1) Pursuant to § 2.702, the Secretary of the NRC will maintain the official docket of the proceeding on the application for a license to receive and possess waste at a geologic repository operations area.

(2) Commencing with the docketing of the license application to receive and possess high-level radioactive waste at a geologic repository operations area pursuant to Part 60 of this chapter, the LSS Administrator shall establish a file within the Licensing Support System to contain the official record materials of the high-level radioactive waste licensing proceeding in searchable full text, or for material that is not suitable for entry in searchable full text, by header and image, as appropriate.

(b) Absent good cause, all exhibits tendered during the hearing must have been entered into the Licensing Support System before the commencement of that portion of the hearing in which the exhibit will be offered. The official record file in the Licensing Support System will contain a list of all exhibits, showing where in the transcript each was marked for identification and where it was received into evidence or rejected. Transcripts will be entered into the Licensing Support System by the LSS Administrator on a daily basis in order to provide next-day availability at the hearing.

(c)(1) All filings in the adjudicatory proceeding on the license application to receive and possess high-level radioactive waste at a geologic repository operations area pursuant to Part 60 of this chapter shall be transmitted electronically by the submitter to the Presiding Officer, parties, the LSS Administrator, and the Secretary, according to established format requirements. Parties and interested governmental participants will be required to use a password security code for the electronic transmission of these documents.

(2) Filings required to be served shall be served upon either the parties and interested governmental participants, or their designated representatives. When a party or interested governmental participant has appeared by attorney, service must be made upon the attorney of record.

(3) Service upon a party or interested governmental participant is completed when the sender receives electronic acknowledgment ("delivery receipt") that the electronic submission has been placed in the recipient's electronic mailbox.

(4) Proof of service, stating the name and address of the person on whom served and the manner and date of service, shall be shown for each document filed, by—

(i) Electronic acknowledgment ("delivery receipt"); or
(ii) The affidavit of the person making the service; or
(iii) The certificate of counsel.

(5) One signed paper copy of each filing shall be served promptly on the Secretary by regular mail pursuant to the requirements of § 2.708 and 2.701 of this part.

(6) All Presiding Officer and Commission issuances and orders will be transmitted electronically to the parties, interested governmental participants, and the LSS Administration.

(d) Online access to the Licensing Support System, including a Protective Order File if authorized by a Presiding Officer shall be provided to the Presiding Officer, the representatives of the parties and interested governmental participants, and the witnesses while testifying, for use during the hearing. Use of paper copy and other images will also be permitted at the hearing.

§ 2.1014 Intervention.

(a)(1) Any person whose interest may be affected by a proceeding on the application for a license to receive and possess high-level radioactive waste at a geologic repository operations area pursuant to Part 60 of this chapter and who desires to participate as a party shall file a written petition for leave to intervene. In a proceeding noticed pursuant to § 2.105 of this part, any person whose interest may be affected may also request a hearing. The petition and/or request, and any request to participate under § 2.715(c) of this part, shall be filed within thirty days after the publication of the notice of hearing in the Federal Register. Nontimely filings will not be entertained absent a determination by the Commission, or the Presiding Officer designated to rule on the petition and/or request, that the petition and/or request should be granted based upon a balancing of the following factors, in addition to satisfying those set out in paragraphs (a)(2) and (c) of this section:

(i) Good cause, if any, for failure to file on time;

(ii) The availability of other means whereby the petitioner's interest will be protected;

(iii) The extent to which the petitioner's participation may reasonably be expected to assist in developing a sound record;

(iv) The extent to which the petitioner's interest will be represented by existing parties;

(v) The extent to which the petitioner's participation will broaden the issues or delay the proceeding.

(2) The petition shall set forth with particularity—

(i) The interest of the petitioner in the proceeding, and how that interest may be affected by the results of the proceeding, including the reasons why petitioner should be permitted to intervene, with particular reference to the factors in paragraph (c) of this section;

(ii) A list of the contentions that petitioner seeks to have litigated in the matter;

(iii) With respect to each contention:

(A) A specific statement of the issue of law or fact to be raised or controverted.

(B) A brief explanation of the basis of the contention.

(C) A concise statement of the alleged facts or expert opinion that support the contention and on which the petitioner intends to rely in proving the contention at the hearing, together with references to those specific sources and documents of which the petitioner is aware and on which the petitioner intends to rely to establish those facts or expert opinion.

(D) Sufficient information to show that a genuine dispute exists with the applicant on a material issue of law or fact. This showing must include reference to the specific documentary material that provides a basis for the contention, or if the petitioner believes that any documentary material fails to contain information on a relevant matter as required by law, the identification of each failure and the supporting reasons for the petitioner's belief. In determining whether a genuine dispute exists on a material issue of law or fact, a dispositive factor shall be whether the contention, if proven, would be of no consequence in the proceeding because it would not entitle the petitioner to relief.

(E) The specific regulatory or statutory requirement to which the contention is relevant.

(3) Any petitioner who fails to satisfy paragraphs (a)(2) (ii) and (iii) of this section with respect to at least one contention shall not be permitted to participate as a party.

(4) Any party may amend its contentions specified in paragraph (a)(2)(ii) of this section. The Presiding

Officer shall rule on any petition to amend such contentions based on the balancing of the factors specified in paragraph (a)(1) of this section, and a showing that a significant safety or environmental issue is involved or that the amended contention raises a material issue related to the performance evaluation anticipated by §§ 60.112 and 60.113 of this chapter.

(b) Any party or interested governmental participant may file an answer to a petition for leave to intervene or a petition to amend contentions within twenty days after service of the petition.

(c) Subject to paragraph (a)(3) of this section, the Commission, or the Presiding Officer designated to rule on petitions to intervene and/or requests for hearing shall permit intervention, in any hearing on an application for a license to receive and possess high-level radioactive waste at a geologic repository operations area, by an affected unit of local government as defined in section 2(31) of the Nuclear Waste Policy Act of 1982, as amended, 42 U.S.C. 10101. In all other circumstances, the Commission or Presiding Officer shall, in ruling on a petition for leave to intervene, consider the following factors, among other things:

- (1) The nature of the petitioner's right under the Atomic Energy Act to be made a party to the proceeding;
- (2) The nature and extent of the petitioner's property, financial, or other interest in the proceeding;
- (3) The possible effect of any order that may be entered in the proceeding on the petitioner's interest;

(4) The failure of the petitioner to participate as a potential party in the Licensing Support System.

(5) In determining whether a genuine dispute exists on a material issue of law or fact, whether the contention, if proven, would be of no consequence in the proceeding because it would not entitle petitioner to relief.

(d) An order permitting intervention and/or directing a hearing may be conditioned on such terms as the Commission, or the designated Presiding Officer may direct in the interests of:

- (1) Restricting irrelevant, duplicative, or repetitive evidence and argument,
- (2) Having common interests represented by a spokesman, and
- (3) Retaining authority to determine priorities and control the compass of the hearing.

(e) In any case in which, after consideration of the factors set forth in paragraph (c) of this section, the Commission or the Presiding Officer finds that the petitioner's interest is limited to one or more of the issues involved in the proceeding, any order allowing intervention shall limit the petitioner's participation accordingly.

(f) A person permitted to intervene becomes a party to the proceeding, subject to any limitations imposed pursuant to paragraph (e) of this section.

(g) Unless otherwise expressly provided in the order allowing intervention, the granting of a petition for leave to intervene does not change or enlarge the issues specified in the notice of hearing.

(h) If the Commission or the Presiding Officer determines that any of the admitted contentions constitute pure issues of law, those contentions must be decided on the basis of briefs or oral argument according to a schedule determined by the Commission or the Presiding Officer.

§ 2.1015 Appeals.

(a) No appeals from any Pre-License Application Presiding Officer or Presiding Officer order or decision issued under this subpart are permitted, except as prescribed in paragraphs (b), (c), and (d) of this section.

(b) A notice of appeal from (1) a Pre-License Application Presiding Officer order issued pursuant to § 2.1010, (2) a Presiding Officer First or Second Prehearing Conference Order issued pursuant to § 2.1021 or § 2.1022, (3) a Presiding Officer order granting or denying a motion for summary disposition issued in accordance with § 2.1025 of this part, or (4) a Presiding Officer order granting or denying a petition to amend one or more contentions pursuant to § 2.1014(a)(4), must be filed with the Commission no later than (10) days after service of the order. A supporting brief must accompany the notice of appeal. Any other party, interested governmental participant, or potential party may file a brief in opposition to the appeal no later than ten days after service of the appeal.

(c) Appeals from a Presiding Officer initial decision or partial initial decision must be filed and briefed before the Commission in accordance with the following requirements.

(1) *Notice of appeal.* Within ten (10) days after service of an initial decision, any party may take an appeal to the Commission by filing a notice of appeal. The notice shall specify:

- (i) The party taking the appeal; and
- (ii) The decision being appealed.

(2) *Filing appellant's brief.* Each appellant shall file a brief supporting its position on appeal within thirty (30) days (40 days if Commission staff is the appellant) after the filing of notice required by paragraph (a) of this section.

(3) *Filing responsive brief.* Any party who is not an appellant may file a brief in support of or in opposition to the appeal within thirty (30) days after the period has expired for the filing and service of the brief of all appellants. Commission staff may file a responsive brief within forty (40) days after the

period has expired for the filing and service of the briefs of all appellants. A responding party shall file a single responsive brief regardless of the number of appellants' briefs filed.

(4) *Brief content.* A brief in excess of ten (10) pages must contain a table of contents, with page references, and a table of cases (alphabetically arranged), statutes, regulations, and other authorities cited, with references to the pages of the brief where they are cited.

(i) An appellant's brief must clearly identify the errors of fact or law that are the subject of the appeal. An intervenor-appellant's brief must be confined to issues which the intervenor-appellant placed in controversy or sought to place in controversy in the proceeding. For each issue appealed, the precise portion of the record relied upon in support of the assertion of error must also be provided.

(ii) Each responsive brief must contain a reference to the precise portion of the record which supports each factual assertion made.

(5) *Brief length.* A party shall not file a brief in excess of seventy (70) pages in length, exclusive of pages containing the table of contents, table of citations and any addendum containing statutes, rules, regulations, etc. A party may request an increase of this page limit for good cause. Such a request shall be made by motion submitted at least seven (7) days before the date upon which the brief is due for filing and shall specify the enlargement requested.

(6) *Certificate of service.* All documents filed under this section must be accompanied by a certificate reflecting service upon all other parties to the proceeding.

(7) *Failure to comply.* A brief which in form or content is not in substantial compliance with the provisions of this section may be stricken, either on motion of a party or by the Commission on its own initiative.

(d) When, in the judgment of a Pre-License Application Presiding Officer or Presiding Officer, prompt appellate review of an order not immediately appealable under paragraph (b) of this section is necessary to prevent detriment to the public interest or unusual delay or expense, the Pre-License Application Presiding Officer or Presiding Officer may refer the ruling promptly to the Commission, and shall provide notice of this referral to the parties, interested governmental participants, or potential parties. The parties, interested governmental participants, or potential parties may also request that the Pre-License Application Presiding Officer or Presiding Officer certify, pursuant to § 2.718(i) of this part, rulings not immediately appealable under paragraph (b) of this section.

(e) Unless otherwise ordered, the filing of an appeal, petition for review,

referral, or request for certification of a ruling shall not stay the proceeding or extend the time for the performance of any act.

Note: Any appeal taken pursuant to the terms of this regulation after October 24, 1990, shall be filed with the Commission rather than with an Atomic Safety and Licensing Appeal Board notwithstanding any provisions of this regulation to the contrary.

§ 2.1016 Motions.

(a) All motions shall be addressed to the Commission or, when a proceeding is pending before a Presiding Officer, to the Presiding Officer. All motions, unless made orally on the record, shall be filed according to the provisions of § 2.1013(c) of this subpart.

(b) A motion shall state with particularity the grounds and the relief sought, and shall be accompanied by any affidavits or other evidence relied on, and, as appropriate, a proposed form of order.

(c) Within ten days after service of a motion a party, potential party, or interested governmental participant may file an answer in support of or in opposition to the motion, accompanied by affidavits or other evidence. The moving party shall have no right to reply, except as permitted by the Presiding Officer or the Secretary or the Assistant Secretary.

(d) The Presiding Officer may dispose of motions either by order or by ruling orally during the course of a prehearing conference or hearing.

(e) Where the motion in question is a motion to compel discovery under § 2.720(h)(2) of this part or § 2.1018(i) of this subpart, parties, potential parties, and interested governmental participants may file answers to the motion pursuant to paragraph (c) of this section. The Presiding Officer in its discretion, may order that the answer be given orally during a telephone conference or other prehearing conference, rather than filed electronically. If responses are given over the telephone the Presiding Officer shall issue a written order on the motion which summarizes the views presented by the parties, potential parties, and interested governmental participants unless the conference has been transcribed. This does not preclude the Presiding Officer from issuing a prior oral ruling on the matter which is effective at the time of its issuance, provided that the terms of the ruling are incorporated in the subsequent written order.

§ 2.1017 Computation of time.

In computing any period of time, the day of the act, event, or default after which the designated period of time begins to run is not included. The last day of the period so computed is included unless it is a Saturday, Sunday, or legal holiday at the place where the action or event is to occur, in which event the period runs until the end of the next day which is neither a Saturday, Sunday, nor holiday. Whenever a party, potential party, or interested governmental participant, has the right or is required to do some act within a prescribed period after the service of a notice or other document upon it, one day shall be added to the prescribed period. If the Licensing Support System is unavailable for more than four access hours of any day that would be counted in the computation of time, that day will not be counted in the computation of time.

§ 2.1018 Discovery.

(a)(1) Parties, potential parties, and interested governmental participants in the high-level waste licensing proceeding may obtain discovery by one or more of the following methods: Access to the documentary material in the Licensing Support System submitted pursuant to § 2.1003 of this subpart; entry upon land for inspection, access to raw data, or other purposes pursuant to § 2.1020 of this subpart; access to, or the production of, copies of documentary material for which bibliographic headers only have been submitted pursuant to § 2.1003 (c) and (d) of this subpart; depositions upon oral examination pursuant to § 2.1019 of this subpart; requests for admission pursuant to § 2.742 of this subpart; informal requests for information not available in the Licensing Support System, such as the names of witnesses and the subjects they plan to address; and interrogatories and depositions upon written questions, as provided in paragraph (a)(2) of this section.

(2) Interrogatories and depositions upon written questions may be authorized by order of the discovery master appointed under paragraph (g) of this section, or if no discovery master has been appointed, by order of the Presiding Officer in the event that the parties are unable, after informal good faith efforts, to resolve a dispute in a timely fashion concerning the production of information.

(b)(1) Parties, potential parties, and interested governmental participants, pursuant to the methods set forth in paragraph (a) of this section, may obtain discovery regarding a matter, not privileged, which is relevant to the licensing of the likely candidate site for a geologic repository, whether it relates to the claim or defense of the person seeking discovery or to the claim or defense of any other person. Except for

discovery pursuant to §§ 2.1018(a)(2) and 2.1019 of this subpart, all other discovery shall begin during the pre-license application phase. Discovery pursuant to §§ 2.1018(a)(2) and 2.1019 of this subpart shall begin after the issuance of the first pre-hearing conference order under § 2.1021 of this subpart, and shall be limited to the issues defined in that order or subsequent amendments to the order. It is not ground for objection that the information sought will be inadmissible at the hearing if the information sought appears reasonably calculated to lead to the discovery of admissible evidence.

(2) A party, potential party, or interested governmental participant may obtain discovery of documentary material otherwise discoverable under paragraph (b)(1) of this section and prepared in anticipation of, or for the hearing by, or for another party's, potential party's, or interested governmental participant's representative (including its attorney, surety, indemnitor, insurer, or similar agent) only upon a showing that the party, potential party, or interested governmental participant seeking discovery has substantial need of the materials in the preparation of its case and that it is unable without undue hardship to obtain the substantial equivalent of the materials by other means. In ordering discovery of these materials when the required showing has been made, the Presiding Officer shall protect against disclosure of the mental impressions, conclusions, opinions, or legal theories of an attorney or other representative of a party, potential party, or interested governmental participant concerning the proceeding.

(c) Upon motion by a party, potential party, interested governmental participant, or the person from whom discovery is sought, and for good cause shown, the Presiding Officer may make any order that justice requires to protect a party, potential party, interested governmental participant, or other person from annoyance, embarrassment, oppression, or undue burden, delay, or expense, including one or more of the following: (1) That the discovery not be had; (2) that the discovery may be had only on specified terms and conditions, including a designation of the time or place; (3) that the discovery may be had only by a method of discovery other than that selected by the party, potential party, or interested governmental participant seeking discovery; (4) that certain matters not be inquired into, or that the scope of discovery be limited to certain matters; (5) that discovery be conducted with no one present except persons designated by the Presiding Officer; (6) that, subject to the provisions of § 2.790 of this part, a trade secret or other confidential research, development, or

commercial information not be disclosed or be disclosed only in a designated way; (7) that studies and evaluations not be prepared. If the motion for a protective order is denied in whole or in part, the Presiding Officer may, on such terms and conditions as are just, order that any party, potential party, interested governmental participant or other person provide or permit discovery.

(d) Except as provided in paragraph (b) of this section, and unless the Presiding Officer upon motion, for the convenience of parties, potential parties, interested governmental participants, and witnesses and in the interest of justice, orders otherwise, methods of discovery may be used in any sequence, and the fact that a party, potential party, or interested governmental participant is conducting discovery, whether by deposition or otherwise, shall not operate to delay any other party's, potential party's, or interested governmental participant's discovery.

(e) A party, potential party, or interested governmental participant who has included all documentary material relevant to any discovery request in the Licensing Support System or who has responded to a request for discovery with a response that was complete when made is under no duty to supplement its response to include information thereafter acquired, except as follows:

(1) To the extent that written interrogatories are authorized pursuant to paragraph (a)(2) of this section, a party or interested governmental participant is under a duty to seasonably supplement its response to any question directly addressed to (i) the identity and location of persons having knowledge of discoverable matters, and (ii) the identity of each person expected to be called as an expert witness at the hearing, the subject matter on which the witness is expected to testify, and the substance of the witness's testimony.

(2) A party, potential party, or interested governmental participant is under a duty seasonably to amend a prior response if it obtains information upon the basis of which (i) it knows that the response was incorrect when made, or (ii) it knows that the response though correct when made is no longer true and the circumstances are such that a failure to amend the response is in substance a knowing concealment.

(3) A duty to supplement responses may be imposed by order of the Presiding Officer or agreement of the parties, potential parties, and interested governmental participants.

(f)(1) If a deponent of a party, potential party, or interested governmental participant upon whom a request for discovery is served fails to respond or objects to the request, or any part thereof, the party, potential party,

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or interested governmental participant submitting the request or taking the deposition may move the Presiding Officer, within five days after the date of the response or after failure to respond to the request, for an order compelling a response in accordance with the request. The motion shall set forth the nature of the questions or the request, the response or objection of the party, potential party, interested governmental participant, or other person upon whom the request was served, and arguments in support of the motion. For purposes of this paragraph, an evasive or incomplete answer or response shall be treated as a failure to answer or respond. Failure to answer or respond shall not be excused on the ground that the discovery sought is objectionable unless the person, party, potential party, or interested governmental participant failing to answer or respond has applied for a protective order pursuant to paragraph (c) of this section.

(2) In ruling on a motion made pursuant to this section, the Presiding Officer may make such a protective order as it is authorized to make on a motion made pursuant to paragraph (c) of this section.

(3) An independent request for issuance of a subpoena may be directed to a nonparty for production of documents. This section does not apply to requests for the testimony of the NRC regulatory staff pursuant to § 2.720(h)(2)(i) of this part.

(g) The Presiding Officer pursuant to § 2.722 of this part may appoint a discovery master to resolve disputes between parties concerning informal requests for information as provided in paragraphs (a)(1) and (a)(2) of this section.

§ 2.1019 Depositions.

(a) Any party or interested governmental participant desiring to take the testimony of any person by deposition on oral examination shall, without leave of the Commission or the Presiding Officer, give reasonable notice in writing to every other party and interested governmental participant, to the person to be examined, and to the Presiding Officer of the proposed time and place of taking the deposition; the name and address of each person to be examined, if known, or if the name is not known, a general description sufficient to identify him or her; or the class or group to which he or she belongs, the matters upon which each person will be examined and the name or descriptive title and address of the officer before whom the deposition is to be taken.

(b) Within the United States, a deposition may be taken before any officer authorized to administer oaths by the laws of the United States or of the place where the examination is held. Outside of the United States, a deposition may be taken before a secretary of an embassy or legation, a consul general, vice consul or consular agent of the United States, or a person authorized to administer oaths designated by the Commission. Depositions may be conducted by telephone or by video teleconference at the option of the party or interested governmental participant taking the deposition.

(c) The deponent shall be sworn or shall affirm before any questions are put to him or her. Examination and cross-examination shall proceed as at a hearing. Each question propounded shall be recorded and the answer taken down in the words of the witness. Objections on questions of evidence shall be noted in short form without the arguments. The officer shall not decide on the competency, materiality, or relevancy of evidence but shall record the evidence subject to objection. Objections on questions of evidence not made before the officer shall not be deemed waived unless the ground of the objection is one which might have been obviated or removed if presented at that time.

(d) When the testimony is fully transcribed, the deposition shall be submitted to the deponent for examination and signature unless the deponent is ill or cannot be found or refuses to sign. The officer shall certify the deposition or, if the deposition is not signed by the deponent, shall certify the reasons for the failure to sign, and shall promptly transmit the deposition to the LSS Administrator for submission into the Licensing Support System.

(e) Where the deposition is to be taken on written questions as authorized under § 2.1018(a)(2) of this subpart, the party or interested governmental participant taking the deposition shall serve a copy of the questions, showing each question separately and consecutively numbered, on every other party and interested governmental participant with a notice stating the name and address of the person who is to answer them, and the name, description, title, and address of the officer before whom they are to be asked. Within ten days after service, any other party or interested governmental participant may serve cross-questions. The questions, cross-questions, and answers shall be recorded and signed, and the deposition certified, returned, and transmitted to the LSS Administrator as in the case of a deposition on oral examination.

(f) A deposition will not become a part of the evidentiary record in the hearing unless received in evidence. If

only part of a deposition is offered in evidence by a party or interested governmental participant, any other party or interested governmental participant may introduce any other parts. A party or interested governmental participant shall not be deemed to make a person its own witness for any purpose by taking his or her deposition.

(g) A deponent whose deposition is taken and the officer taking a deposition shall be entitled to the same fees as are paid for like services in the district courts of the United States, to be paid by the party or interested governmental participant at whose instance the deposition is taken.

(h) The deponent may be accompanied, represented, and advised by legal counsel.

(i)(1) After receiving written notice of the deposition under paragraph (a) or paragraph (e) of this section, and ten days before the scheduled date of the deposition, the deponent shall submit an index of all documents in his or her possession, relevant to the subject matter of the deposition, including the categories of documents set forth in paragraph (i)(2) of this section, to all parties and interested governmental participants. The index shall identify those records which have already been entered into the Licensing Support System. All documents that are not identical to documents already in the Licensing Support System, whether by reason of subsequent modification or by the addition of notations, shall be treated as separate documents.

(2) The following material is excluded from initial entry into the Licensing Support System, but is subject to derivative discovery under paragraph (i)(1) of this section—

- (i) Personal records;
- (ii) Travel vouchers;
- (iii) Speeches;
- (iv) Preliminary drafts;
- (v) Marginalia.

(3) Subject to paragraph (i)(6) of this section, any party or interested governmental participant may request from the deponent a paper copy of any or all of the documents on the index that have not already been entered into the Licensing Support System.

(4) Subject to paragraph (i)(6) of this section, the deponent shall bring a paper copy of all documents on the index that the deposing party or interested governmental participant requests that have not already been entered into the Licensing Support System to an oral deposition conducted pursuant to paragraph (a) of this section, or in the case of a deposition taken on written

questions pursuant to paragraph (e) of this section, shall submit such documents with the certified deposition.

(5) Subject to paragraph (i)(6) of this section, a party or interested governmental participant may request that any or all documents on the index that have not already been entered into the Licensing Support System, and on which it intends to rely at hearing, be entered into the LSS by the deponent.

(6) The deposing party or interested governmental participant shall assume the responsibility for the obligations set forth in paragraphs (i)(1), (i)(3), (i)(4), and (i)(5) of this section when deposing someone other than a party or interested governmental participant.

(j) In a proceeding in which the NRC is a party, the NRC staff will make available one or more witnesses designated by the Executive Director for Operations, for oral examination at the hearing or on deposition regarding any matter, not privileged, which is relevant to the issues in the proceeding. The attendance and testimony of the Commissioners and named NRC personnel at a hearing or on deposition may not be required by the Presiding Officer, by subpoena or otherwise: *Provided*, That the Presiding Officer may, upon a showing of exceptional circumstances, such as a case in which a particular named NRC employee has direct personal knowledge of a material fact not known to the witnesses made available by the Executive Director for Operations and the testimony sought is not reasonably obtainable from another source by any party, require the attendance and testimony of named NRC personnel.

§ 2.1020 Entry upon land for inspection.

(a) Any party, potential party, or interested governmental participant may serve on any other party, potential party, or interested governmental participant a request to permit entry upon designated land or other property in the possession or control of the party, potential party, or interested governmental participant upon whom the request is served for the purpose of access to raw data, inspection and measuring, surveying, photographing, testing, or sampling the property or any designated object or operation thereon, within the scope of § 2.1018 of this subpart.

(b) The request may be served on any party, potential party, or interested governmental participant without leave of the Commission or the Presiding Officer.

(c) The request shall describe with reasonable particularity the land or other property to be inspected either by individual item or by category. The

request shall specify a reasonable time, place, and manner of making the inspection and performing the related acts.

(d) The party, potential party, or interested governmental participant upon whom the request is served shall serve on the party, potential party, or interested governmental participant submitting the request a written response within ten days after the service of the request. The response shall state, with respect to each item or category, that inspection and related activities will be permitted as requested, unless the request is objected to, in which case the reasons for objection shall be stated. If objection is made to part of an item or category, the part shall be specified.

§ 2.1021 First prehearing conference.

(a) In any proceeding involving an application for a license to receive and possess high-level radioactive waste at a geologic repository operations area pursuant to Part 60 of this chapter the Commission or the Presiding Officer will direct the parties, interested governmental participants and any petitioners for intervention, or their counsel, to appear at a specified time and place, within seventy days after the notice of hearing is published, or such other time as the Commission or the Presiding Officer may deem appropriate, for a conference to:

- (1) Permit identification of the key issues in the proceeding;
- (2) Take any steps necessary for further identification of the issues;
- (3) Consider all intervention petitions to allow the Presiding Officer to make such preliminary or final determination as to the parties and interested governmental participants, as may be appropriate;

- (4) Establish a schedule for further actions in the proceeding; and
- (5) Establish a discovery schedule for the proceeding taking into account the objective of meeting the three year time schedule specified in section 114(d) of the Nuclear Waste Policy Act of 1982, as amended, 42 U.S.C. 10134(d).

(b) The Presiding Officer may order any further formal and informal conferences among the parties and interested governmental participants including teleconferences, to the extent that it considers that such a conference would expedite the proceeding.

(c) A prehearing conference held pursuant to this section shall be stenographically reported.

(8) The Presiding Officer shall enter an order which recites the action taken at the conference, the schedule for further actions in the proceeding, and any agreements by the parties, and which identifies the key issues in the proceeding, makes a preliminary or final determination as to the parties and interested governmental participants in the proceeding, and provides for the submission of status reports on discovery.

§ 2.1022 Second prehearing conference.

(a) The Commission or the Presiding Officer in a proceeding on an application for a license to receive and possess high-level radioactive waste at a geologic repository operations area shall direct the parties, interested governmental participants, or their counsel to appear at a specified time and place not later than thirty days after the Safety Evaluation Report is issued by the NRC staff for a conference to consider:

- (1) Any amended contentions submitted under § 2.1014(a)(4) of this subpart;
 - (2) Simplification, clarification, and specification of the issues;
 - (3) The obtaining of stipulations and admissions of fact and of the contents and authenticity of documents to avoid unnecessary proof;
 - (4) Identification of witnesses and the limitation of the number of expert witnesses, and other steps to expedite the presentation of evidence;
 - (5) The setting of a hearing schedule;
 - (6) Establishing a discovery schedule for the proceeding taking into account the objective of meeting the three year time schedule specified in section 114(d) of the Nuclear Waste Policy Act of 1982, as amended, 42 U.S.C. 10134(d); and
 - (7) Such other matters as may aid in the orderly disposition of the proceeding.
- (b) A prehearing conference held pursuant to this section shall be stenographically reported.

(c) The Presiding Officers shall enter an order which recites the action taken at the conference and the agreements by the parties, limits the issues or defines the matters in controversy to be determined in the proceeding, sets a discovery schedule, and sets the hearing schedule.

§ 2.1023 Immediate effectiveness.

(a) Pending review and final decision by the Commission, an initial decision resolving all issues before the Presiding Officer in favor of issuance or amendment of a construction authorization pursuant to § 60.31 of this

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chapter or a license to receive and possess high-level radioactive waste at a geologic repository operations area pursuant to § 60.41 of this chapter, will be immediately effective upon issuance except—

(1) As provided in any order issued in accordance with § 2.788 of this part that stays the effectiveness of an initial decision: or

(2) As otherwise provided by the Commission in special circumstances.

(b) The Director of Nuclear Material Safety and Safeguards, notwithstanding the filing or pendency of an appeal or a petition for review pursuant to § 2.1015 of this subpart, promptly shall issue a construction authorization or a license to receive and possess high-level radioactive waste at a geologic repository operations area, or amendments thereto, following an initial decision resolving all issues before the Presiding Officer in favor of the licensing action, upon making the appropriate licensing findings, except—

(1) As provided in paragraph (c) of this section: or

(2) As provided in any order issued in accordance with § 2.788 of this part that stays the effectiveness of an initial decision: or

(3) As otherwise provided by the Commission in special circumstances.

(c)(1) Before the Director of Nuclear Material Safety and Safeguards may issue a construction authorization or a license to receive and possess waste at a geologic repository operations area in accordance with paragraph (b) of this section, the Commission, in the exercise of its supervisory authority over agency proceedings, shall undertake and complete a supervisory examination of those issues contested in the proceeding before the Presiding Officer to consider whether there is any significant basis for doubting that the facility will be constructed or operated with adequate protection of the public health and safety, and whether the Commission should take action to suspend or to otherwise condition the effectiveness of a Presiding Officer

decision that resolves contested issues in a proceeding in favor of issuing a construction authorization or a license to receive and possess high-level radioactive waste at a geologic repository operations area. This supervisory examination is not part of the adjudicatory proceeding. The Commission shall notify the Director in writing when its supervisory examination conducted in accordance with this paragraph has been completed.

(2) Before the Director of Nuclear Material Safety and Safeguards issues a construction authorization or a license to receive and possess high-level radioactive waste at a geologic repository operations area, the Commission shall review those issues that have not been contested in the

proceeding before the Presiding Officer but about which the Director must make appropriate findings prior to the issuance of such a license. The Director shall issue a construction authorization or a license to receive and possess high-level radioactive waste at a geologic repository operations area only after written notification from the Commission of its completion of its review under this paragraph and of its determination that it is appropriate for the Director to issue such a construction authorization or license. This Commission review of uncontested issues is not part of the adjudicatory proceeding.

(3) No suspension of the effectiveness of a Presiding Officer's initial decision or postponement of the Director's issuance of a construction authorization or license that results from a Commission supervisory examination of contested issues under paragraph (c)(1) of this section or a review of uncontested issues under paragraph (c)(2) of this section will be entered except in writing with a statement of the reasons. Such suspension or postponement will be limited to such period as is necessary for the Commission to resolve the matters at issue. If the supervisory examination results in a suspension of the effectiveness of the Presiding Officer's initial decision under paragraph (c)(1) of this section, the Commission will take review of the decision sua sponte and further proceedings relative to the contested matters at issue will be in accordance with procedures for participation by the DOE, the NRC staff, or other parties and interested governmental participants to the Presiding Officer proceeding established by the Commission in its written statement of reasons. If a postponement results from a review under paragraph (c)(2) of this section, comments on the uncontested matters at issue may be filed by the DOE within ten days of service of the Commission's written statement.

§ 2.1025 Authority of the Presiding Officer to dispose of certain issues on the pleadings.

(a) Any party may move, with or without supporting affidavits, for a decision by the Presiding Officer in that party's favor as to all or any part of the matters involved in the proceeding. The moving party shall annex to the motion a separate, short, and concise statement of the material facts as to which the moving party contends that there is no genuine issue to be heard. Motions may be filed at any time. Any other party may file an answer supporting or opposing the motion, with or without affidavits, within twenty (20) days after service of the motion. The party shall

annex to any answer opposing the motion a separate, short, and concise, statement of the material facts as to which it is contended there exists a genuine issue to be heard. All material facts set forth in the statement to be filed by the moving party will be deemed to be admitted unless controverted by the statement required to be filed by the opposing party. The opposing party may, within ten (10) days after service, respond in writing to new facts and arguments presented in any statement filed in support of the motion. No further supporting statements or responses thereto may be entertained. The Presiding Officer may dismiss summarily or hold in abeyance motions filed shortly before the hearing commences or during the hearing if the other parties or the Presiding Officer would be required to divert substantial resources from the hearing in order to respond adequately to the motion.

(b) Affidavits must set forth those facts that would be admissible in evidence and show affirmatively that the affiant is competent to testify to the matters stated therein. The Presiding Officer may permit affidavits to be supplemented or opposed by further affidavits. When a motion for summary disposition is made and supported as provided in this section, a party opposing the motion may not rest upon the mere allegations or denials of its answer; its answer by affidavits or as otherwise provided in this section must set forth specific facts showing that there is a genuine issue of fact. If no such answer is filed, the decision sought, if appropriate, must be rendered.

(c) The Presiding Officer shall render the decision sought if the filings in the proceeding show that there is no genuine issue as to any material fact and that the moving party is entitled to a decision as a matter of law. However, in any proceeding involving a construction authorization for a geologic repository operations area, the procedure described in this section may be used only for the determination of specific subordinate issues and may not be used to determine the ultimate issue as to whether the authorization must be issued.

§ 2.1026 Schedule.

(a) Subject to paragraphs (b) and (c) of this section, the Presiding Officer shall adhere to the schedule set forth in appendix D of this part.

(b)(1) Pursuant to § 2.711, the Presiding Officer may approve extensions of no more than 15 days beyond any required time set forth in this subpart for a filing by a party to the proceeding. Except in the case of exceptional and unforeseen circumstances, requests for extensions of more than 15 days must be filed no later than 5 days in advance of the required time set forth in this subpart for a filing by a party to the proceeding.

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(2) Extensions beyond 15 days must be referred to the Commission. If the Commission does not disapprove the extension within 10 days of receiving the request, the extension will be effective. If the Commission disapproves the extension, the date which was the subject of the extension request will be set for 5 days after the Commission's disapproval action.

(c)(1) The Presiding Officer may delay the issuance of an order up to thirty days beyond the time set forth for the issuance in appendix D.

(2) If the Presiding Officer anticipates that the issuance of an order will not occur until after the thirty day extension specified in paragraph (c)(1) of this section, the Presiding Officer shall notify the Commission at least ten days in advance of the scheduled date for the milestone and provide a justification for the delay.

§ 2.1027 *Sua Sponte*.

In any initial decision in a proceeding on an application to receive and possess waste at a geologic repository operations area, the Presiding Officer, other than the Commission, shall make findings of fact and conclusions of law on, and otherwise give consideration to, only those matters put into controversy by the parties and determined to be litigable issues in the proceeding.

Subpart K—Hybrid Hearing Procedures for Expansion of Spent Nuclear Fuel Storage Capacity at Civilian Nuclear Power Reactors

§ 2.1101 Purpose.

The regulations in this subpart establish hybrid hearing procedures, as authorized by section 134 of the Nuclear Waste Policy Act of 1982 (96 Stat. 2230), to be used at the request of any party in certain contested proceedings on applications for a license or license amendment to expand the spent nuclear fuel storage capacity at the site of a civilian nuclear power plant. These procedures are intended to encourage and expedite onsite expansion of spent nuclear fuel storage capacity.

§ 2.1103 Scope.

The procedures in this subpart apply to contested proceedings on applications filed after January 7, 1983, for a license or license amendment under Part 50 of this chapter, to expand the spent fuel storage capacity at the site of a civilian

nuclear power plant, through the use of high density fuel storage racks, fuel rod compaction, the transshipment of spent nuclear fuel to another civilian nuclear power reactor within the same utility system, the construction of additional spent nuclear fuel pool capacity or dry storage capacity, or by other means. This subpart also applies to proceedings on applications for a license under Part 72 of this chapter to store spent nuclear fuel in an independent spent fuel storage installation located at the site of a civilian nuclear power reactor. This subpart shall not apply to the first application for a license or license amendment to expand the spent fuel storage capacity at a particular site through the use of a new technology not previously approved by the Commission for use at any other nuclear power plant.

§ 2.1105 Definitions.

As used in this part:

(a) "Civilian nuclear power reactor" means a civilian nuclear power plant required to be licensed as a utilization facility under section 103 or 104(b) of the Atomic Energy Act of 1954.

(b) "Spent nuclear fuel" means fuel that has been withdrawn from a nuclear reactor following irradiation, the constituent elements of which have not been separated by reprocessing.

§ 2.1107 Notice of proposed action.

In connection with each application filed after January 7, 1983, for a license or an amendment to a license to expand the spent nuclear fuel storage capacity at the site of a civilian nuclear power plant, for which the Commission has not found that a hearing is required in the public interest, for which an adjudicatory hearing has not yet been convened, and for which a notice of proposed action has not yet been published as of the effective date of this subpart, the Commission will, prior to acting thereon, cause to be published in the *Federal Register* a notice of proposed action in accordance with § 2.105. The notice of proposed action will identify the availability of the hybrid hearing procedures in this subpart, specify that any party may invoke these procedures by filing a timely request for oral argument under § 2.1109, and provide that if a request for oral argument is granted, any hearing held on the application shall be conducted in accordance with the procedures in this subpart.

§ 2.1109 Requests for oral argument.

(a)(1) Within ten (10) days after an order granting a request for hearing or petition for leave to intervene, any party may invoke the hybrid hearing procedures in this subpart by requesting an oral argument. Requests for oral argument shall be in writing and shall be filed with the presiding officer. The

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presiding officer shall grant a timely request for oral argument.

(2) The presiding officer may grant an untimely request for oral argument only upon a showing of good cause by the requesting party for failure to file on time and after providing the other parties an opportunity to respond to the untimely request.

(b) The presiding officer shall issue a written order ruling on any requests for oral argument. If the presiding officer grants a request for oral argument, the order shall include a schedule for discovery and subsequent oral argument with respect to the admitted contentions.

(c) If no party to the proceeding requests oral argument, or if all untimely requests for oral argument are denied, the presiding officer shall conduct the proceeding in accordance with Subpart G of 10 CFR Part 2.

§ 2.1111 Discovery.

Discovery shall begin and end at such times as the presiding officer shall order. It is expected that all discovery shall be completed within 90 days. The presiding officer may extend the time for discovery upon good cause shown based on exceptional circumstances and after providing the other parties an opportunity to respond to the request.

§ 2.1113 Oral argument.

(a) Fifteen (15) days prior to the date set for oral argument, each party, including the NRC staff, shall submit to the presiding officer a detailed written summary of all the facts, data, and arguments which are known to the party at such time and on which the party proposes to rely at the oral argument either to support or to refute the existence of a genuine and substantial dispute of fact. Each party shall also submit all supporting facts and data in the form of sworn written testimony or other sworn written submission. Each party's written summary and supporting information shall be simultaneously served on all other parties to the proceeding.

(b) Only facts and data in the form of sworn written testimony or other sworn written submission may be relied on by the parties during oral argument, and the presiding officer shall consider those facts and data only if they are submitted in that form.

§ 2.1115 Designation of issues for adjudicatory hearing.

(a) After due consideration of the oral presentation and the written facts and data submitted by the parties and relied on at the oral argument, the presiding officer shall promptly by written order:

(1) Designate any disputed issues of fact, together with any remaining issues of law, for resolution in an adjudicatory

hearing; and

(2) Dispose of any issues of law or fact not designated for resolution in an adjudicatory hearing.

With regard to each issue designated for resolution in an adjudicatory hearing, the presiding officer shall identify the specific facts that are in genuine and substantial dispute, the reason why the decision of the Commission is likely to depend on the resolution of that dispute, and the reason why an adjudicatory hearing is likely to resolve the dispute. With regard to issues not designated for resolution in an adjudicatory hearing, the presiding officer shall include a brief statement of the reasons for the disposition. If the presiding officer finds that there are no disputed issues of fact or law requiring resolution in an adjudicatory hearing, the presiding officer shall also dismiss the proceeding.

(b) No issue of law or fact shall be designated for resolution in an adjudicatory hearing unless the presiding officer determines that:

(1) There is a genuine and substantial dispute of fact which can only be resolved with sufficient accuracy by the introduction of evidence in an adjudicatory hearing; and

(2) The decision of the Commission is likely to depend in whole or in part on the resolution of that dispute.

(c) In making a determination under paragraph (b) of this section, the presiding officer shall not consider:

(1) Any issue relating to the design, construction, or operation of any civilian nuclear power reactor already licensed to operate at the site, or any civilian nuclear power reactor for which a construction permit has been granted at the site, unless the presiding officer determines that any such issue substantially affects the design, construction, or operation of the facility or activity for which a license application, authorization, or amendment to expand the spent nuclear fuel storage capacity is being considered; or

(2) Any siting or design issue fully considered and decided by the Commission in connection with the issuance of a construction permit or operating license for a civilian nuclear power reactor at that site, unless (i) such issue results from any revision of siting or design criteria by the Commission following such decision; and (ii) the presiding officer determines that such issue substantially affects the design, construction, or operation of the facility or activity for which a license application, authorization, or amendment to expand the spent nuclear fuel storage capacity is being

considered.

(d) The provisions of paragraph (c) of this section shall apply only with respect to licenses, authorizations, or amendments to licenses or authorizations applied for under the Atomic Energy Act of 1954, as amended, before December 31, 2005.

(e) Unless the presiding officer disposes of all issues and dismisses the proceeding, appeals from the presiding officer's order disposing of issues and designating one or more issues for resolution in an adjudicatory hearing are interlocutory and must await the end of the proceeding.

§ 2.1117 Applicability of other sections.

In proceedings subject to this subpart, the provisions of Subparts A and G of 10 CFR Part 2 are also applicable, except where inconsistent with the provisions of this subpart.

Subpart L—Informal Hearing Procedures for Adjudications in Materials and Operator Licensing Proceedings.

§ 2.1201 Scope of subpart.

(a) The general rules of this subpart govern procedure in any adjudication initiated by a request for a hearing in a proceeding for—

(1) The grant, transfer, renewal, or licensee-initiated amendment of a materials license subject to parts 30, 32 through 35, 39, 40, or 70 of this chapter; or

(2) The grant, renewal, or licensee-initiated amendment of an operator or senior operator license subject to part 55 of this chapter.

(b) Any adjudication regarding, (1) a materials license subject to parts 30, 32 through 35, 39, 40, or 70, or an operator or senior operator license subject to part 55 that is initiated by a notice of hearing issued under § 2.104, or (2) a notice of proposed action under § 2.105, or a request for hearing under subpart B of 10 CFR part 2 on an order or a civil penalty, is to be conducted in accordance with the procedures set forth in subpart G of 10 CFR part 2.

§ 2.1203 Docket; filing; service.

(a) The Secretary shall maintain a docket for each adjudication subject to this subpart, commencing with the filing of a request for a hearing. All papers, including any request for a hearing, petition for leave to intervene, correspondence, exhibits, decisions, and orders, submitted or issued in the proceeding; the hearing file compiled in accordance with § 2.1231; and the transcripts of any oral presentations or oral questioning made in accordance with § 2.1235 or in connection with any appeal under this subpart must be filed with the Office of the Secretary and

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must be included in the docket. The public availability of official records relating to the proceeding is governed by § 2.790.

(b) Documents are filed with the Office of the Secretary in adjudications subject to this subpart either—

(1) By delivery to the Docketing and Service Branch of the Office of the Secretary at One White Flint North, 11555 Rockville Pike, Rockville, MD 20852 or

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

Filing by mail or telegram is complete as of the time of deposit in the mail or with the telegraph company. Filing by other means is complete as of the time of delivery to the Docketing and Service Branch of the Office of the Secretary.

(c) Each document submitted for filing in an adjudication subject to this part, other than an exhibit, must be legibly typed, must bear the docket number and the title of the proceeding, and, if it is the first document filed by that participant, must designate the name and address of a person upon whom service can be made. The document also must be signed in accordance with § 2.708(c). A document, other than correspondence, must be filed in an original and two conforming copies. Documents filed by telegram are governed by § 2.708(f). A document that fails to conform to these requirements may be refused acceptance for filing and may be returned with an indication of the reason for nonacceptance. Any document tendered but not accepted for filing may not be entered in the docket.

(d) Computation of time and extension and reduction of time limits is done in accordance with §§ 2.710–2.711.

(e) A request for a hearing or a petition for leave to intervene must be served in accordance with § 2.712 and § 2.1205(e), (j). All other documents issued by the presiding officer, the Commission or offered for filing are served in accordance with § 2.712.

§ 2.1205 Request for a hearing; petition for leave to intervene

(a) Any person whose interest may be affected by a proceeding for the grant, transfer, renewal, or licensee-initiated amendment of a license subject to this subpart may file a request for a hearing.

(b) An applicant for a license, a license amendment, a license transfer, or a license renewal who is issued a notice of proposed denial or a notice of denial and who desires a hearing shall file the request for the hearing within the time specified in § 2.103 in all cases. An applicant may include in the request for hearing a request that the presiding officer recommend to the Commission that procedures other than those authorized under this subpart be used in the proceeding, provided that the applicant identifies the special factual circumstances or issues which support the use of other procedures.

(c) A person other than an applicant shall file a request for a hearing within—

(1) Thirty (30) days of the agency's publication of the initial Federal Register notice referring or relating to an application or the licensing action requested by an application, which must include a reference to the opportunity for a hearing under the procedures set forth in this subpart; or

(2) If a Federal Register notice is not published in accordance with paragraph (c)(1), the earliest of—

- (i) Thirty (30) days after the requester receives actual notice of a pending application, or
- (ii) Thirty (30) days after the requester receives actual notice of an agency action granting an application in whole or in part, or
- (iii) One hundred and eighty (180) days after agency action granting an application in whole or in part.

(3) The request for a hearing filed by a person other than an applicant must describe in detail—

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

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

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

(4) The circumstances establishing that the request for a hearing is timely in accordance with paragraph (c) of this section.

(e) Each request for a hearing must be served, by delivering it personally or by mail to—

(1) The applicant (unless the requestor is the applicant); and

(2) The NRC staff, by delivery to the Executive Director for Operations, One White Flint North, 11555 Rockville Pike, Rockville, MD 20852, or by mail addressed to the Executive Director for Operations, U.S. Nuclear Regulatory Commission, Washington, DC 20555.

(f) Within ten (10) days of service of a request for a hearing filed under paragraph (c) of this section, the applicant may file an answer. The NRC staff, if it chooses or is ordered to participate as a party in accordance with § 2.1213, may file an answer to a request for a hearing within ten (10) days of the designation of the presiding officer.

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(g) In ruling on a request for a hearing filed under paragraph (c) of this section, the presiding officer shall determine that the specified areas of concern are germane to the subject matter of the proceeding and that the petition is timely. The presiding officer also shall determine that the requestor meets the judicial standards for standing and shall consider, among other factors—

(1) The nature of the requestor's right under the Act to be made a party to the proceeding;

(2) The nature and extent of the requestor's property, financial, or other interest in the proceeding; and

(3) The possible effect of any order that may be entered in the proceeding upon the requestor's interest.

(h) If a hearing request filed under paragraph (b) of this section is granted, the applicant and the NRC staff shall be parties to the proceeding. If a hearing request filed under paragraph (c) of this section is granted, the requestor shall be a party to the proceeding along with the applicant and the NRC staff, if the staff chooses or is ordered to participate as a party in accordance with § 2.1213.

(i) If a request for a hearing is granted and a notice of the kind described in paragraph (c)(1) previously has not been published in the *Federal Register*, a notice of hearing must be published in the *Federal Register* stating—

(1) The time, place, and nature of the hearing;

(2) The authority under which the hearing is to be held;

(3) The matters of fact and law to be considered;

(4) The time within which any other person whose interest may be affected by the proceeding may petition for leave to intervene, as specified in paragraph (j) of this section; and

(5) The time within which a request to participate under § 2.1211(b) must be filed.

(j) Any petition for leave to intervene must be filed within thirty (30) days of the date of publication of the notice of hearing. The petition must set forth the information required under paragraph (d) of this section.

(1) A petition for leave to intervene must be served upon the applicant. The petition also must be served upon the NRC staff—

(i) By delivery to the Executive Director for Operations, One White Flint North, 11555 Rockville Pike, Rockville, MD 20852; or

(ii) By mail addressed to the Executive Director for Operations, U.S. Nuclear Regulatory Commission, Washington, DC 20555.

(2) Within ten (10) days of service of a petition for leave to intervene, the applicant and the NRC staff, if the staff chooses or is ordered to participate as a party in accordance with § 2.1213, may file an answer.

(3) Thereafter, the petition for leave to intervene must be ruled upon by the presiding officer, taking into account the matters set forth in paragraph (g) of this section.

(4) If the petition is granted, the petitioner becomes a party to the proceeding.

(k)(1) A request for a hearing or a petition for leave to intervene found by the presiding officer to be untimely under paragraph (c) or (j) will be entertained only upon determination by the Commission or the presiding officer that the requestor or petitioner has established that—

(i) The delay in filing the request for a hearing or the petition for leave to intervene was excusable; and

(ii) The grant of the request for a hearing or the petition for leave to intervene will not result in undue prejudice or undue injury to any other participant in the proceeding, including the applicant and the NRC staff, if the staff chooses or is ordered to participate as a party in accordance with § 2.1213.

(2) If the request for a hearing on the petition for leave to intervene is found to be untimely and the requestor or petitioner fails to establish that it otherwise should be entertained under paragraph (k)(1) of this section, the request or petition will be treated as a petition under § 2.206 and referred for appropriate disposition.

(l) The filing or granting of a request for a hearing or petition for leave to intervene need not delay NRC staff action regarding an application for a licensing action covered by this subpart.

(m) An order granting a request for a hearing or a petition for leave to intervene may condition or limit participation in the interest of avoiding repetitive factual presentations and argument.

(n) If the presiding officer denies a request for a hearing or a petition for leave to intervene in its entirety, the action is appealable within ten (10) days of service of the order on the question whether the request for a hearing or the petition for leave to intervene should have been granted in whole or in part. If a request for a hearing or a petition for leave to intervene is granted, parties other than the requestor or petitioner may appeal that action within ten (10) days of service of the order on the question whether the request for a hearing or the petition for leave to intervene should have been denied in its entirety. An appeal may be taken by filing and serving upon all parties a statement that succinctly sets out, with supporting argument, the errors alleged. The appeal may be supported or opposed by any party by filing a counter-statement within fifteen (15) days of the service of the appeal brief.

§ 2.1207 Designation of presiding officer.

(a) Unless otherwise ordered by the Commission or as provided in paragraph (b) of this section, within ten (10) days of receiving from the Office of the Secretary a request for a hearing relating to a licensing proceeding covered by this subpart, the Chairman of the Atomic Safety and Licensing Board Panel shall issue an order designating a single member of the panel to rule on the request for a hearing and, if necessary, to serve as the presiding officer to conduct the hearing.

(b) For any request for hearing relating to an application under 10 CFR Part 70 to receive and store unirradiated fuel at the site of a production or utilization facility that also is the subject of a proceeding under Subpart G of this Part for the issuance of an operating license, within ten (10) days of receiving from the Office of the Secretary a request for a hearing the Chairman of the Atomic Safety and Licensing Board Panel shall issue an order designating a Licensing Board conducting the operating license proceeding to rule on the request for a hearing and, if necessary, to conduct the hearing in accordance with this Subpart. Upon certification to the Commission by the Licensing Board designated to conduct the hearing that the matters presented for adjudication by the parties with respect to the Part 70 application are substantially the same as those being heard in the pending proceeding under 10 CFR Part 50, the Licensing Board may conduct the hearing in accordance with the procedures in Subpart G.

§ 2.1209 Power of presiding officer.

A presiding officer has the duty to conduct a fair and impartial hearing according to law, to take appropriate action to avoid delay, and to maintain order. The presiding officer has all powers necessary to those ends, including the power to—

(a) Regulate the course of the hearing and the conduct of the participants;

(b) Dispose of procedural requests or similar matters;

(c) Hold conferences before or during the hearing for settlement, simplification of the issues, or any other proper purpose;

(d) Certify questions to the Commission for determination, either in the presiding officer's discretion or on direction of the Commission;

(e) Reopen a closed record for the reception of further information at any time prior to initial decision in accordance with § 2.734;

(f) Administer oaths and affirmations;

(g) Issue initial decisions;
 (h) Issue subpoenas requiring the attendance and testimony of witnesses at the hearing or the production of documents for the hearing;

(i) Receive written or oral evidence and take official notice of any fact in accordance with § 2.743(i);

(j) Appoint special assistants from the Atomic Safety and Licensing Board Panel in accordance with § 2.722;

(k) Recommend to the Commission that procedures other than those authorized under this subpart be used in a particular proceeding; and

(l) Take any other action consistent with the Act and this chapter.

§ 2.1211 Participation by a person not a party.

(a) The presiding officer may permit a person who is not a party to make a limited appearance in order to state his or her views on the issues. Limited appearances may be in writing or oral, at the discretion of the presiding officer, and are governed by rules adopted by the presiding officer. A limited appearance statement is not to be considered part of the decisional record under § 2.1251(c).

(b) Within thirty days of an order granting a request for a hearing made under § 2.1205(b)-(c) or, in instances when it is published, within thirty days of a notice of hearing issued under § 2.1205(i), the representative of an interested State, county, municipality, or an agency thereof, may request an opportunity to participate in a proceeding under this subpart. The request for an opportunity to participate must state with reasonable specificity the requestor's areas of concern about the licensing activity that is the subject matter of the proceeding. Upon receipt of a request that is filed in accordance with these time limits and that specifies the requestor's areas of concern, the presiding officer shall afford the representative a reasonable opportunity to make written and oral presentations in accordance with §§ 2.1233 and 2.1235, without requiring the representative to take a position with respect to the issues. Participants under this subsection may notice an appeal of an initial decision in accordance with § 2.1253 with respect to any issue on which they participate.

§ 2.1213 Role of the NRC staff.

If a hearing request is filed under § 2.1205(b), the NRC staff shall be a party to the proceeding. If a hearing request is filed under § 2.1205(c), within ten (10) days of the designation of a presiding officer pursuant to § 2.1207 the NRC staff shall notify the presiding

officer whether or not the staff desires to participate as a party to the adjudication. In addition, upon a determination by the presiding officer that the resolution of any issue in the proceeding would be aided materially by staff's participation in the proceeding as a party, the presiding officer may order or permit the NRC staff to participate as a party with respect to that particular issue.

§ 2.1215 Appearance and practice.

(a) An individual may appear in an adjudication under this subpart on his or her own behalf or by an attorney-at-law. Representation by an attorney-at-law is not necessary in order for an organization or a § 2.1211(b) participant to appear in an adjudication conducted under this subpart. If the representative of an organization is not an attorney-at-law, he or she shall be a member or officer of the organization represented. Upon request of the presiding officer, an individual acting as a representative shall provide appropriate information establishing the basis of his or her authority to act in a representational capacity.

(b) Any action to reprimand, censure, or suspend a party, a § 2.1211(b) participant, or the representative of a party or a § 2.1211(b) participant must be in accordance with the procedures in § 2.713(c).

Hearings

§ 2.1231 Hearing file; prohibition on discovery.

(a) Within thirty (30) days of the presiding officer's entry of an order granting a request for a hearing, the NRC staff shall file in the docket, present to the presiding officer, and make available to the applicant and any other party to the proceeding a hearing file. Thereafter, within ten (10) days of the date a petition for leave to intervene or a request to participate under § 2.1211(b) is granted, the NRC staff shall make the hearing file available to the petitioner or the § 2.1211(b) participant.

(1) The hearing file must be made available to the applicant and any other party or § 2.1211(b) participant to the proceeding either by—

(i) Service in accordance with § 2.1203(e); or

(ii) Placing the file in an established local public document room in the vicinity of the principal location where nuclear material that is the subject of a proceeding under this subpart will be possessed, and informing the applicant, party, or § 2.1211(b) participant in writing of its action and the location of

the file. If an established local public document room does not exist, the NRC staff will arrange for the documents contained in the hearing file, along with any other material docketed in accordance with § 2.1203, to be made available for public inspection and copying during the course of the adjudication in a library or other facility that is accessible to the general public during regular business hours and is in the vicinity of the principal location where the nuclear material that is the subject of the proceeding will be possessed.

(2) The hearing file also must be made available for public inspection and copying during regular business hours at the NRC Public Document Room in Washington, DC.

(b) The hearing file will consist of the application and any amendment thereto, any NRC environmental impact statement or assessment relating to the application, and any NRC report and any correspondence between the applicant and the NRC that is relevant to the application. Hearing file documents already in an established local public document room or the NRC Public Document Room when the hearing request is granted may be incorporated into the hearing file at those locations by a reference indicating where at those locations the documents can be found. The presiding officer shall rule upon any issue regarding the appropriate materials for the hearing file.

(c) The NRC staff has a continuing duty to keep the hearing file up to date with respect to the materials set forth in paragraph (b) of this section and to provide those materials for the docket, the presiding officer, and the applicant or any party or § 2.1211(b) participant in a manner consistent with the way the hearing file was made available initially under paragraph (a).

(d) A party or § 2.1211(b) participant may not seek discovery from any other party, § 2.1211(b) participant, or the NRC or its personnel, whether by document production, deposition, interrogatories, or otherwise.

§ 2.1233 Written presentations; written questions.

(a) After publication of a notice of hearing in accordance with § 2.1205(i) and after the NRC staff has made the hearing file available in accordance with § 2.1231, the parties and § 2.1211(b) participants shall be afforded the opportunity to submit, under oath or affirmation, written presentations of their arguments and documentary data, informational material, and other supporting written evidence at the time

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or times and in the sequence the presiding officer establishes by appropriate order. The presiding officer also may, on his or her initiative, submit written questions to the parties to be answered in writing, under oath or affirmation, and supported by appropriate documentary data, informational material, or other written evidence.

(b) In a hearing initiated under § 2.1205(b), the initial written presentation of the applicant that is issued a notice of proposed denial or a notice of denial must describe in detail any deficiency or omission in the agency's denial or proposed denial of its application and what relief is sought with respect to each deficiency or omission.

(c) In a hearing initiated under § 2.1205(c), the initial written presentation of a party that requested a hearing or petitioned for leave to intervene must describe in detail any deficiency or omission in the license application, with references to any particular section or portion of the application considered deficient, give a detailed statement of reasons why any particular section or portion is deficient or why an omission is material, and describe in detail what relief is sought with respect to each deficiency or omission.

(d) A party or § 2.1211(b) participant making an initial written presentation under this section shall submit with its presentation or identify by reference to a generally available publication or source, such as the hearing file, all documentary data, informational material, or other written evidence upon which it relies to support or illustrate each omission or deficiency complained of. Thereafter, additional documentary data, informational material, or other written evidence may be submitted or referenced by any party, other than the NRC staff, or by any § 2.1211(b) participant in a written presentation or in response to a written question only as the presiding officer, in his or her discretion, permits.

(e) Strict rules of evidence do not apply to written submissions under this section, but the presiding officer may, on motion or on the presiding officer's own initiative, strike any portion of a written presentation or a response to a written question that is cumulative, irrelevant, immaterial, or unreliable.

§ 2.1235 Oral presentations; oral questions.

(a) Upon a determination that it is necessary to create an adequate record for decision, in his or her discretion the presiding officer may allow or require

oral presentations by any party or § 2.1211(b) participant, including testimony by witnesses. Oral presentations are subject to any appropriate time limits the presiding officer imposes. Responsibility for the conduct of the examination of any witness rests with the presiding officer who may allow a party or § 2.1211(b) participant to propose questions for the presiding officer to pose to a witness.

(b) Oral presentations and responses to oral questioning to be relied upon as oral evidence must be given under oath or affirmation. All oral presentations or oral questioning must be stenographically reported and, except as requested pursuant to section 181 of the Act, must be public unless otherwise ordered by the Commission.

(c) Strict rules of evidence do not apply to oral submissions under this section, but the presiding officer may, on motion or on the presiding officer's own initiative, strike any portion of an oral presentation or a response to oral questioning that is cumulative, irrelevant, immaterial, or unreliable.

§ 2.1237 Motions; burden of proof.

(a) Motions presented in the proceeding must be presented and disposed of in accordance with §§ 2.730 (a)-(g).

(b) Unless otherwise ordered by the presiding officer, the applicant or the proponent of an order has the burden of proof.

§ 2.1239 Consideration of Commission rules and regulations in informal adjudications.

(a) Except as provided in paragraph (b) of this section, any regulation of the Commission issued in its program for the licensing and regulation of production and utilization facilities, source material, special nuclear material, or byproduct material may not be challenged in any adjudication subject to this subpart.

(b) A party to an adjudication subject to this subpart may petition that the application of a Commission regulation specified in paragraph (a) of this section be waived or an exception made for the particular proceeding. The sole ground for a request for waiver or exception must be that special circumstances exist so that application of the regulation to the subject matter of the proceeding would not serve the purposes for which the regulation was adopted. In the absence of a prima facie showing of special circumstances, the presiding officer may not further consider the matter. If the presiding officer determines that a prima facie showing

has been made, he or she shall certify directly to the Commission itself for determination the matter of whether special circumstances support a waiver or an exception and whether a waiver or an exception should be granted. The Commission's determination shall be made after any further proceeding the Commission deems appropriate.

§ 2.1241 Settlement of proceedings.

The fair and reasonable settlement of proceedings subject to this subpart is encouraged. A settlement must be approved by the presiding officer or the Commission as appropriate in order to be binding in the proceeding.

Initial Decision, Commission Review, And Final Decision

§ 2.1251 Initial decision and its effect.

(a) Unless the Commission directs that the record be certified to it in accordance with paragraph (b) of this section, the presiding officer shall render an initial decision after completion of an informal hearing under this subpart. That initial decision constitutes the final action of the Commission thirty (30) days after the date of issuance, unless any party petitions for Commission review in accordance with § 2.786 or the Commission takes review of the decision sua sponte.

(b) The Commission may direct that the presiding officer certify the record to it without an initial decision and may omit an initial decision and prepare a final decision upon a finding that due and timely execution of its functions so requires.

(c) An initial decision must be in writing and must be based only upon information in the record or facts officially noticed. The record must include all information submitted in the proceeding with respect to which all parties have been given reasonable prior notice and an opportunity to comment. The initial decision must include—

(1) Findings, conclusions, and rulings, with the reasons or basis for them, on all material issues of fact, law, or discretion presented on the record;

(2) The appropriate ruling, order, or denial of relief with its effective date; and

(3) The time within which a petition for review may be filed, the time within which any answer to a petition for review may be filed, and the date when the decision becomes final in the absence of the Commission taking review of the decision.

(d) Matters not put into controversy by the parties may not be examined and decided by the presiding officer

whichever is later. A request for a stay of a staff licensing action must be filed with the adjudicatory decisionmaker before which the licensing proceeding is pending.

If the presiding officer or the Appeal Board believes that a serious safety, environmental, or common defense and security matter exists that has not been placed in controversy, the presiding officer shall advise the Commission promptly of the basis for that view and the Commission may take appropriate action.

(e) Pending review and final decision by the Commission, an initial decision resolving all issues before the presiding officer in favor of authorizing licensing action subject to this subpart is immediately effective upon issuance except—

(1) As provided in any order issued in accordance with § 2.1263 that stays the effectiveness of an initial decision; or

(2) As otherwise provided by the Commission in special circumstances.

(f) Following an initial decision resolving all issues in favor of the licensing action as specified in paragraph (e) of this section, the Director of Nuclear Reactor Regulation or the Director of Nuclear Material Safety and Safeguards, as appropriate, notwithstanding the filing of a petition for review or pendency of any review taken by the Commission pursuant to § 2.786, shall take the appropriate licensing action upon making the appropriate licensing findings promptly, except as may be provided pursuant to paragraph (e)(1) or (2) of this section.

§ 2.1253 Petitions for review of initial decisions.

Parties and § 2.1211(b) participants may petition for review of an initial decision under this subpart in accordance with the procedures set out in §§ 2.786 and 2.763 or the Commission may review the decision on its own motion. Commission review will be conducted in accordance with those procedures the Commission deems appropriate. The filing of a petition for review is mandatory for a party to exhaust its administrative remedies before seeking judicial review.

§ 2.1255 [Removed]

§ 2.1257 [Removed] 56 FR 29403

§ 2.1259 Final decision; petition for reconsideration.

(a) Commission or Atomic Safety and Licensing Appeal Board action to render a final decision must be in accordance with § 2.770.

(b) The provisions of § 2.771 govern the filing of petitions for reconsideration.

§ 2.1261 Authority of the Secretary to rule on procedural matters.

The Secretary or the Assistant Secretary may rule on procedural matters relating to proceedings conducted by the Commission itself under this subpart to the same extent they can do so under § 2.772 for proceedings under Subpart G.

§ 2.1263 Stays of NRC staff licensing actions or of decisions of a presiding officer or the Commission, pending hearing or review.

Applications for a stay of any decision or action of the Commission, a presiding officer, or any action by the NRC staff in issuing a license in accordance with § 2.1205(l) are governed by § 2.788, except that any request for a stay of staff licensing action pending completion of an adjudication under this subpart must be filed at the time a request for a hearing or petition to intervene is filed or within ten (10) days of the staff's action.

APPENDIX A—STATEMENT OF GENERAL POLICY AND PROCEDURE: CONDUCT OF PROCEEDINGS FOR THE ISSUANCE OF CONSTRUCTION PERMITS AND OPERATING LICENSES FOR PRODUCTION AND UTILIZATION FACILITIES FOR WHICH A HEARING IS REQUIRED UNDER SECTION 189A OF THE ATOMIC ENERGY ACT OF 1954, AS AMENDED*

The following statement of general policy and procedure explains in detail the procedures which the Atomic Energy Commission expects to be followed by atomic safety and licensing boards in the conduct of proceedings relating to the issuance of construction permits for nuclear power and test reactors and other production or utilization facilities for which a hearing is mandatory under section 189a. of the Atomic Energy Act of 1954, as amended (the Act).¹ The provisions are also applicable to proceedings for the issuance of operating licenses for such facilities, except as the context would otherwise indicate, or except as indicated in section VIII. Section VIII sets out the procedures specifically applicable to operating license proceedings. The Statement reflects the Commission's intent that such proceedings be con-

*In the event of any conflict between the provisions of this appendix and any section of this part, the section governs.

¹Except as the context may otherwise indicate, this statement is also generally applicable to licensing proceedings of the type described in the statement which may be conducted by a hearing examiner as the presiding officer.

ducted expeditiously and its concern that its procedures maintain sufficient flexibility to accommodate that objective. This position is founded upon the recognition that fairness to all the parties in such cases and the obligation of administrative agencies to conduct their functions with efficiency and economy, require that Commission adjudications be conducted without unnecessary delays. These factors take on added importance in nuclear power reactor licensing proceedings where the growing national need for electric power and the companion need for protecting the quality of the environment call for decision making which is both sound and timely. The Commission expects that its responsibilities under the Atomic Energy Act of 1954, the National Environmental Policy Act of 1969 and other applicable statutes, as set out in the statement which follows, will be carried out in a manner consistent with this position in the overall public interest.

Atomic safety and licensing boards are appointed from time to time by the Commission or the Chairman of the Atomic Safety and Licensing Board Panel to conduct hearings in licensing cases under the authority of section 191 of the Act. Section 191 authorizes the Commission to establish one or more atomic safety and licensing boards to conduct public hearings and to make intermediate or final decisions in administrative proceedings relating to granting, suspending, revoking or amending licenses issued by the Commission. It requires that each board consist of one member who is qualified in the conduct of administrative proceedings and two member who have such technical or other qualifications as the Commission deems appropriate to the issues to be decided. Members of each board may be appointed by the Commission or by the Chairman of the Atomic Safety and Licensing Board Panel from a panel selected from private life, the staff of the Commission or other Federal agencies.

An Atomic Safety and Licensing Board may at its discretion appoint special assistants to the Board from the membership of the Atomic Safety and Licensing Board Panel established by the Commission. These special assistants are to be employed to facilitate the hearing process and improve the quality of the record produced for review. The special assistants may serve as technical interrogators in their individual fields of expertise, alternate Atomic Safety and Licensing Board members to sit with the Board and participate in the evidentiary sessions on the issue for which the alternate members were designated. Special Masters to

hear evidentiary presentations by the parties on specific technical matters upon the consent of all parties, or informal consultants to brief the board prior to the hearing on the general technical background of subjects involving complex issues. The term "alternate board member" as a "special assistant" within the meaning of 10 CFR 2.722(e)(3) should not be confused with the use of the term "alternate" in 10 CFR 2.721(b). In the latter situation the "alternate" is a substitute for a member of a Board who becomes unavailable. As a special assistant, the "alternate" sits with the three-member Board and not instead of the Board or any of its members.

I. PRELIMINARY MATTERS

(a) A public hearing is announced by the issuance of a notice of hearing, published in the Federal Register as soon as practicable after the application has been docketed, signed by the Secretary of the Commission stating the nature of the hearing and the issues to be considered. The time and place of the first prehearing conference pursuant to § 2.751a will ordinarily be stated in the notice of hearing. Unless the initial notice of hearing states the time and place of the hearing, and the Chairman and other members of the Atomic Safety and Licensing Board that will conduct the hearing, those matters will be the subject of further notice in the Federal Register after publication of the initial notice of hearing. It is the Commission's policy and practice to begin the evidentiary hearing in the vicinity of the site of the proposed facility. The notice of hearing also states the procedures whereby persons may seek to intervene or make a limited appearance and explains the differences between those forms of participation in the proceeding, and states the times and places of the availability, in an appropriate office near the site of the proposed facility, of the notice of hearing, an updated copy of the application, the report of the Advisory Committee on Reactor Safeguards (ACRS), the staff safety evaluation, the applicant's environmental report, the Commission's environmental impact statement, the proposed construction permit or operating license and the transcripts of the prehearing conference and the hearing.

(b) In fixing the time and place of any conference, including prehearing conferences, or of any adjourned session of the evidentiary hearing, due regard shall be had for the convenience and necessity of the parties, petitioners for leave to intervene, or the representatives of such persons, as well as of the Board members, the nature of such conference or adjourned session, and the public interest. Adjourned sessions of hearings may be held in the Washington, DC area if all parties so stipulate. If the parties disagree, and any party considers that there are valid reasons for holding such session in the Washington, DC area, the matter should be referred to the Commission for resolution.

(c) (1) The Commission or the Atomic Safety and Licensing Board may consider on their own initiative, or a party may request the Commission or the board to consider, a particular issue or issues separately from, and prior to, other issues relating to the effect of the construction and/or operation of the facility upon the public health and safety, the common defense and security, and the environment or in regard to anti-trust considerations. If the Commission or the board determines that a separate hearing should be held, the notice of hearing or other appropriate notice will state the time and place of the separate hearing on such issue or issues. The board designated to conduct the hearing will issue an initial decision, if deemed appropriate, which will be dispositive of the issue(s) considered at the hearing, in the absence of an appeal or Commission review pursuant to § 2.760 before the hearing on, and consideration of, the remaining issues in the proceeding.

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(2) In a proceeding relating to the issuance of a construction permit for a facility which is subject to the environmental impact statement requirements of section 102(2)(C) of the National Environmental Policy Act of 1969 and subpart A of Part 51 of this chapter and which is a utilization facility for industrial or commercial purposes or is a testing facility, separate hearings may be held and decisions may be issued on National Environmental Policy Act and site suitability issues and other specified issues as provided by subpart F and § 2.761a.

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43 FR 17798

(d) Prior to a hearing, board members should review and become familiar with: The record of any relevant prior proceedings in the case, including initial decisions and Commission orders, the application, the ARCS report, the staff safety evaluation, the applicant's environmental report, the Commission's environmental impact statement, all other papers filed in the proceeding, the Commission's rules of practice, and other regulations or published statements of policy of the Commission as may be pertinent to the proceeding.

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quests including, among other things, motions by parties relating to the conduct of the hearing. He may wish to discuss such requests with the other members of the board before ruling on them. No interlocutory appeal² may be taken by a party as a matter of right from a ruling of the chairman or the board. The board should refer the challenged ruling to the Commission for a final decision if, in its judgment, a prompt decision is necessary to prevent detriment to the public interest or unusual delay or expense. This authority should be exercised sparingly, and only when deemed essential in fairness to the parties or the public.

II. PREHEARING CONFERENCES

(a) A special prehearing conference will be held, within ninety (90) days after the notice of hearing has been published, or such other time as the Commission or the Board may deem appropriate, in addition to the standard prehearing conference provided by § 2.752. The special prehearing conference, authorized by § 2.751a, should be used to permit identification of key issues; take steps necessary for further identification of the issues; consider all intervention petitions to allow preliminary or final determination as to the parties; and establish a schedule for further actions in the proceeding.

(b) Within sixty (60) days after discovery has been completed,³ or such other time as the, residing officer or the Commission deems appropriate, a second prehearing conference—the prehearing conference provided by § 2.752—is held to consider simplification, clarification, and specification of the issues; consider amendments to the pleadings; obtain stipulations and admissions of facts and of the contents and authenticity of documents to avoid unnecessary proof; identification of witnesses; the setting of a

hearing schedule; and such other matters as may aid in the orderly disposition of the hearing.

(c) A transcript of each prehearing conference will be prepared. The board will issue an order after the conclusion of the special prehearing conference which recites the action taken at the conference and agreements by the parties, identifies the key issues in controversy, makes a preliminary or final determination as to the parties, and provides for submission of status reports on discovery by the parties. The board will also issue an order after the conclusion of the second prehearing conference that specifies the issues in controversy in the proceeding. Each order shall be served upon all parties to the proceeding. Objections to such order may be filed by a party within five (5) days, or, in the case of the staff, within ten (10) days. The board may revise the order in the light of the objections presented and, as permitted by § 2.718(i), may certify for determination to the Commission

such matters raised in the objections as it deems appropriate. As specified in § 2.752, the order shall control the subsequent course of the proceeding unless modified for good cause.

(d) Prehearing conferences are open to the public except under exceptional circumstances involving such matters as classified information and certain privileged information not normally a part of the hearing record.

(e) The applicant, the staff and other parties are required to provide each other and the board with copies of prepared testimony in advance of its being offered at the hearing. A schedule may be established at the second prehearing conference for exchange of prepared testimony. Prepared testimony is filed in the Commission's public document room and is available for public inspection. When the staff has reached its conclusions with respect to the application and prepared a safety evaluation, the safety evaluation will be made available—a point of time which may or may not be prior to the hearing.

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² An interlocutory appeal means an appeal to the Commission from a ruling made by the board during the time between the issuance of a notice of hearing and the issuance of the initial decision.

³ "Discovery", for this purpose, does not include production of the ACRS report, the staff's safety evaluation, or the detailed statement on environmental considerations prepared by the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, or his designee.

(e) At any time when a board is in existence but is not actually in session, the chairman has all the powers of the board to take action on procedural matters. The chairman may have occasion, when the board is not in session, to dispose of preliminary procedural re-

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PART 2 • RULES OF PRACTICE FOR DOMESTIC LICENSING PROCEEDINGS ...

III. INTERVENTION AND LIMITED APPEARANCES

(a)(1) As required by § 2.714, a person who wishes to intervene must set forth, in a petition for leave to intervene, his interest in the proceeding and how the interest may be affected by Commission action. Petitions for leave to intervene shall, as a basis for enabling the board or the Commission to determine how the petitioner's interest may be affected by the proceeding, set forth (i) the nature of his right under the Act to be made a party to the proceeding, (ii) the nature and extent of the interest that may be affected by the proceeding, and (iii) the effect of any order which may be entered in the proceeding on the petitioner's interest. The petition must identify the specific aspects as to which the petitioner wishes to intervene and set forth with particularity the facts pertaining to his interest. The petitioner must file a supplement to his petition containing his contention(s) and basis therefor not later than fifteen (15) days prior to the holding of the special prehearing conference pursuant to § 2.751a. After consideration of any answers to the petition, the board will rule on the petition. If the board finds that the petitioner's interest is limited to one or more of the issues in the proceeding, the intervenor's participation will be limited to those issues.

Petitions and supplements thereto which set forth contentions relating only to matters outside the jurisdiction of the Commission will be denied. In any event, the granting of a petition for leave to intervene does not operate to enlarge the issues, or become a basis for receipt of evidence, with respect to matters beyond the jurisdiction of the Commission.

(2) Petitions for leave to intervene which are not filed within the time specified in the notice of hearing will not be granted unless the board determines that the petition should be granted based upon paragraph (a)(1) of this section and upon a balancing of (i) good cause, if any, for petitioner's failure to file on time, (ii) the availability of other means whereby the petitioner's interest will be protected, (iii) the extent to which petitioner's participation may reasonably be expected to assist in developing a sound record, (iv) the extent to which petitioner's interest will be represented by existing parties, and (v) the extent which the petitioner's participation will broaden the issues or delay the proceedings.

(3) Those permitted to intervene become parties to the proceeding, subject to any limitations in the order granting leave to intervene, and have all the rights of the applicant to participate fully in the conduct of the hearing, such as the examination and cross-examination of witnesses, with respect to their contentions related to the matters at issue in the proceeding.

(4) If more than one person who has been granted leave to intervene has substantially the same kind of interest that may be affected by the proceeding, and raises the same basic questions, the board or the Commission may order those persons to consolidate their presentation of evidence, cross-examination, briefs, proposed findings of fact and conclusions of law and argument, unless such consolidation cannot be accomplished without prejudice to the rights of a party.

(b) A person who does not wish to, or is not qualified to become a party may be permitted at the discretion of the board, to make a limited appearance pursuant to § 2.715. Persons permitted to make limited appearances do not become parties, but should be permitted to make statements at such stage of the proceeding as the board may consider appropriate. A person making a limited appearance may only make an oral or written statement on the record, and may not participate in the proceeding in any other way. The board may wish to limit the length of oral statements. A member of the public does not have the right to participate unless he has been granted the right to intervene as a party or the right of limited appearance for the purpose of making a statement.

IV. DISCOVERY

(a) Once the key issues in controversy are identified in the special prehearing conference order (§ 2.751a.(d)), discovery may proceed and will be limited to those matters. In no event should the parties be permitted to use discovery procedures to conduct a "fishing expedition" or to delay the proceeding.

(b) Under the Commission's rules of practice, discovery permitted by §§ 2.720, 2.740, 2.740a, 2.740b, 2.741, 2.742, and 2.744 must be completed by the second prehearing conference, except upon leave for good cause shown.

(c) Depositions, interrogatories and document production between parties other than the staff are obtainable on notice or request to the other party and without leave of the Commission or the board, in line with the Federal rules of Civil Procedure.

(d) In general, staff documents that are relevant to a proceeding will be publicly available as a matter of course unless there is a compelling justification for their nondisclosure. Therefore, document discovery directed at the staff will be restricted, as provided in § 2.744, since most staff documents will be publicly available and should reasonably disclose the basis for the staff's position. Formal discovery of documents against the staff will be limited to cases where it concerns a matter necessary to a proper decision in a case and the information sought is not obtainable elsewhere. Discovery as a legitimate means of obtaining information will not be inhibited, but in view of the comprehensive body of information routinely available without request, there should be minimum need to resort to time consuming discovery procedures. Discovery against the staff (and other NRC personnel, including consultants) by way of deposition is permitted upon a showing of exceptional circumstances. Interrogatories may be addressed to the staff where the information is necessary to proper decision in the case and not obtainable elsewhere.

V. THE HEARING

The board should use its powers under §§ 2.718 and 2.757 to assure that the hearing is focused upon the matters in controversy among the parties and that the hearing process for the resolution of controverted matters is conducted as expeditiously as possible, consistent with the development of an adequate decisional record.

The following procedures should be observed in the conduct of public hearings:

(a) Preliminary:

(1) A verbatim transcript will be made of the hearing.

(2) The Chairman should convene the hearing by stating the title of the proceeding and describing its nature.

(3) He should state the date, time, and place at which the prehearing conferences were held, and identify the persons participating in them. He should summarize the second prehearing conference order.

(4) He should explain the procedures for the conduct of the hearing. He should request that counsel for the parties identify themselves on the record, and provide them with the opportunity to make opening statements of their respective positions.

(5) He should describe, for the benefit of members of the public who may be present, the respective roles of the board, the ACRS and the staff, and the Commission procedures for review of the decision. He should also describe the continuing review and inspection surveillance conducted by the Commission after a construction permit or an operating license has been issued.

(b)(1) The Chairman should call attention to the provisions of § 2.715 for participation by limited appearance. He should briefly explain these provisions and the rights of persons who are permitted to make limited appearances.

(2) The Chairman should inquire of those in attendance whether there are any who wish to participate in the hearing by limited appearance.

(3) Should any person seek leave to intervene when the hearing has been convened, he must set forth, with particularity in a written petition, the reasons why it was not possible to file a petition within the time prescribed in the notice of hearing, as described in Section III, to afford a basis for the board to determine whether or not good cause has been shown for the untimely filing. In granting a petition for leave to intervene which is not timely filed, the board will impose such conditions as are appropriate to minimize any delay in the proceeding.

(4) A person making a limited appearance may want not only to state his position, but to raise questions which he would like to have answered. This should be permitted to the extent the questions are within the scope of the proceeding as defined by the issues set out in the notice of hearing, the prehearing conference order, and any later orders. Usually such persons should be asked to make their statements and raise their questions early in the proceeding so that the board will have an opportunity to be sure that relevant and meritorious questions are properly dealt with during the course of the hearing.

(5) It is the Commission's view that the rules governing intervention and limited appearances are necessary in the interest of orderly proceedings. The Commission also believes that through these two methods of public participation all members of the public are assured of the right to participate by a method appropriate to their interest in the matter. This should be fully explained at the beginning of the hearing. In some cases the board may feel that it must deny an application to intervene but that it can still accommodate the desire of the person involved by allowing him to make a statement and raise questions under the limited appearance rule.

(6) Boards have considerable discretion as to the manner in which they accommodate their conduct of the hearing to local public interest and the desires of local citizens to be heard. Particularly in cases where it is evident that there is local concern as to the safety of the proposed plant, boards should so conduct the hearing as to give appropriate opportunity for local citizens to express their views, while at the same time protecting the legal interests of all parties and the public interest in an orderly and efficient licensing process.

(7) In some cases, argument and further hearing can add nothing to the filings of the parties. In those cases the board is authorized, pursuant to § 2.749, on motion, to render a decision, if the filings in the proceeding and other materials show that there is no genuine issue as to any material fact. However, in proceedings involving construction permits, this procedure may be used only for determining subordinate issues and not the ultimate issues as to whether the construction permit should be issued.

(c) Opening statements:

(1) It is anticipated that the applicant, who has the burden of proof, will, at an appropriate time early in the proceeding, make an oral statement describing in terms that will be readily understood by the public, the principal safety and environmental considerations involved in carrying out the activity sought to be authorized.

(2) Other parties to the proceeding may also make an oral opening statement describing their position on the proposed licensing action.

(d) Evidence:

(1) Pursuant to § 2.732, the applicant has the burden of proof.

(2) The parties are required to submit direct testimony in written form and serve copies of such prepared written testimony on all parties pursuant to the schedule established at the second prehearing conference—in any event, at least 15 days in advance of the session of the hearing at which such testimony is to be presented, as provided by § 2.743(b), unless the board orders otherwise on the basis of objections presented. The staff's position is reflected primarily in the safety evaluation and final environmental impact statement. Consequently, the staff will not present its case until these documents are available. The use of such advance written testimony is expected to expedite the hearing process.

(3) The testimony of all witnesses will be given under oath. These witnesses may be collectively sworn at the opening of the hearing or if additional witnesses are called upon to testify at a subsequent stage they may be sworn at the time of their appearance. There is ordinarily no need for oral recital of prepared testimony unless the Board considers that some useful purpose will be served.

(4) The proceedings should be conducted as expeditiously as practicable, without impairing the development of a clear and adequate record. The order of presenting testimony may be freely varied in the conduct of the hearing. The Board may find it helpful to take expert testimony from witnesses on a roundtable basis after the receipt in evidence of prepared testimony.

(5) To prevent unnecessary delays and an unnecessarily large record, the Board may, pursuant to § 2.757, limit cumulative testimony, strike argumentative, repetitious, cumulative, or irrelevant evidence, take other necessary and proper steps to prevent argumentative, repetitious or cumulative cross examination, and impose appropriate time limitations on arguments.

(6) Documentary evidence may be offered in evidence as provided in § 2.743. Such evidence offered during the course of the hearing should be described by counsel, and furnished to the reporter for marking. Documents offered for marking should be numbered in order of receipt. On identification of a document, it may be offered in evidence.

(7) Objections may be made by counsel to any questions or any line of questioning, and to the admission of any document and should be ruled upon by the board. The board may admit the evidence, may sustain the objection, or may receive the evidence, reserving for later determination the question of admissibility. In passing on objections, the board, while not bound to view proffered evidence according to its admissibility under strict application of the rules of evidence in judicial proceedings, should exclude evidence that is irrelevant to issues in the case as defined in the notice of hearing or the prehearing conference order, or that pertains to matters outside the jurisdiction of the board or the Nuclear Regulatory Commission. Irrelevant material in prepared testimony submitted in advance under § 2.743(b) may be subject to a motion to strike under the procedures provided in § 2.730.

(8) Use of scientifically or technically trained persons who are not attorneys to conduct direct or cross-examination on behalf of a party is provided for in § 2.733. This procedure is a privilege, not a right.

37 FR 15127

37 FR 15127

49 FR 9352

37 FR 15127

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and may be granted to further the conduct of the hearing. Before permitting such a person to conduct examination of witnesses, the board must determine (i) that he has technical or scientific qualifications, (ii) that he has read the written testimony and any documents which are to be the subject of his examination, and (iii) that he has prepared himself to conduct a meaningful and expeditious examination. Permission to conduct examination will be limited to the areas in which the interrogator is shown to be qualified. The party on whose behalf the interrogator conducts the examination and his attorney are responsible for the interrogator's conduct of examination or cross-examination.

(9) The extent to which challenges to NRC regulations can be made in a licensing proceeding is limited. A party may petition for waiver of or exception to the application of a specified NRC rule or regulation to an aspect of the subject matter of the proceeding. The party must file a petition and an affidavit that identifies the specific aspect of the subject matter of the proceeding as to which application of the rule or regulation would not serve the purpose for which the regulation was adopted and that sets forth with particularity the special circumstances alleged to justify a waiver or exception on that ground (§ 2.758). Upon a finding by the board, based on the petition and affidavits and any material submitted by other parties, that the party has not made a prima facie case, no evidence, discovery, or argument will be allowed on the matter. If the Board finds that such a showing has been made, it will certify the matter, without ruling, directly to the Commission for a determination as to whether the application of the regulation to a particular aspect of the subject matter of the proceeding should be waived or an exception made.

(10) The Commission has recognized the public interest in achieving fair and reasonable settlement of contested proceedings (§ 2.759). Therefore, to the extent not inconsistent with the Act, fair and reasonable settlements are encouraged, either as to particular issues in a proceeding or the entire proceeding.

(11) Unless testimony is being taken on a roundtable basis or there is some occasion for clarification of testimony as rendered, the board may wish to reserve its questions until the parties have completed questioning of the witnesses, since counsel for the respective parties will generally be prepared to develop the various lines of pertinent questions.

(12) Conferences for the clarification of matters between the board and the parties, or the formulation of more meaningful questions, may be used to expedite the hearing and simplify the record. Informal conferences, including telephone conferences, should be encouraged to this end.

(13) The board should ordinarily not adjourn the hearing once it has begun, except as the hearing may be divided into segments to permit consideration of discrete areas, such as (i) radiological health and safety or (ii) environmental impact. To the extent practicable, legal questions should be resolved prior to the hearing. If the board believes that additional information is required in the presentation of the case, it would be expected to request the applicant or other party to supplement the presentation. If a recess should prove necessary to obtain such additional evidence, the recess should ordinarily be postponed until available evidence has been received.

(14) Many of the time limitations prescribed in Part 2 were set to allow the maximum time for the parties to the proceedings to perform various activities. Where the activities covered by the limitations can be performed in less time, the time limits may be reduced by order of the board, if appropriate, where such action would not prejudice a party. Similarly, in any case in which a time limit is not set by Part 2, the board should impose reasonable time limits.

(e) Record:

(1) The transcript of testimony and the exhibits, together with all of the papers and requests filed in a proceeding, constitute the record for decision, except to the extent that official notice is taken.

(2) Generally speaking, a decision by a board must be made on the basis of evidence which is in the record of the proceeding. A board, however, is expected to use its expert knowledge and experience in evaluating and drawing conclusions from the evidence that is in the record. The board may also take account of and rely on certain facts which do not have to be "proved" since they are "officially noticed"; these facts do not have to be "proved" since they are matters of common knowledge. Pursuant to § 2.743(i) "official notice" may be taken of any fact of which judicial notice might be taken by the courts of the United States and of any technical or scientific fact within the knowledge of the Commission as an expert body. Each fact officially noticed must be specified in the record with sufficient particularity to advise the parties of the matters which have been noticed or brought to the attention of the parties before the final decision, and each party adversely affected by the decision must be afforded an opportunity to controvert the noticed fact. (For example, a board might take "official notice" of the fact that high level wastes are entered mainly as liquid residue from fuel reprocessing plants.) Matters which are "officially noticed" by a board furnish the same basis for findings of fact as matters which have been placed in evidence and proved in the usual sense.

(f) Participation by board members

(1) In contested proceedings, the board will determine controverted matters as well as decide whether the findings required by the Act and the Commission's regulations should be made and whether, in accordance with Subpart A of Part 51, the construction permit should be issued as proposed.

Thus, in such proceedings, the board will determine the matters in controversy and may be called upon to make technical judgments of its own on those matters. As to matters pertaining to radiological health and safety which are not in controversy, boards are neither required nor expected to duplicate the review already performed by the staff and ACRS, and they are authorized to rely upon the testimony of the staff and the conclusions of the ACRS, which are not controverted by any party.

(2) In an uncontested case, boards are neither required nor expected to duplicate the radiological safety review already performed by the staff and the ACRS and they are authorized to rely upon the testimony of the staff and the applicant, and the conclusions of the ACRS. The role of the board is not to conduct a de novo evaluation of the application, but rather to decide whether the application and the record of the proceeding contain sufficient information, and the review of the application by the Commission's staff, including the environmental review pursuant to the National Environmental

Policy Act of 1969, has been adequate, to support the findings proposed to be made by the Director of Regulation and the issuance of the construction permit proposed by the Director of Regulation. In doing so, the board is expected to be mindful of the fact that it is the applicant, not the staff, who is the proponent of the construction permit and who has the burden of proof.

(3) Whether the construction permit proceeding is contested or uncontested, the board will, as to environmental impact matters, (a) determine whether the requirements of section 102(2)(A), (C) and (E) of the National Environmental Policy Act of 1969 and Subpart A of Part 51 of this chapter have been complied with, (b) independently consider the final balance among conflicting factors contained in the record, with a view to determining the appropriate action to be taken; and (c) determine whether the construction permit should be granted, denied, or appropriately conditioned to protect environmental values.

(4) A question may be certified to the Commission

for determination when a major or novel question of policy, law or procedure is involved which cannot be resolved except by the Commission and when the prompt and final decision of the question is important for the protection of the public interest or to avoid undue delay or serious prejudice to the interests of a party. For example, a board may find it appropriate to certify novel questions as to the regulatory jurisdiction of the Commission or the right of persons to intervene.

(g) Close of hearing:

(1) If, at the close of the hearing, the board should have uncertainties with respect to the matters in controversy because of a need for a clearer understanding of the evidence which has already been presented, it is expected that the board would normally invite further argument from the parties—oral or written or both—before issuing its initial decision. If the uncertainties arise from lack of sufficient information in the record, it is expected that the board would normally require further evidence to be submitted in writing with opportunity for the other parties to reply or reopen the hearing for the taking of further evidence, as appropriate. If either of such courses is followed, it is expected that the applicant would normally be afforded the opportunity to make the final submission.

(2) A board should give each party the opportunity to make a brief closing statement.

(3) A schedule should be set by the board and recorded, either in the transcript or by written order, of the dates upon which the parties are directed by the board to file proposed findings of fact and conclusions of law. In uncontested cases, the proposed findings will ordinarily be extremely brief. In contested proceedings, proposed findings of fact and conclusions of law submitted by the parties may be more detailed. While brevity in such submissions is encouraged, the proposed findings and conclusions should be such as to reflect the position of parties submitting them, and the technical and factual basis therefor.

(4) The board should dispose of any additional procedural requests.

(5) The chairman should formally close the hearing.

VI. POSTHEARING PROCEEDINGS, INCLUDING THE INITIAL DECISION

(a) A board, acting through the Chairman, should dispose of procedural requests made after the close of the hearing, including motions of the parties for correction of the transcript. Responses to requests and motions of the parties are made part of the record by issuance of written orders.

(b) On receipt of proposed findings and conclusions from the parties, the board should prepare the initial decision. Under the Administrative Procedure Act and the Commission's regulations, the decision should include:

(1) Findings, conclusions, and rulings, with the reasons or basis for them, on all material issues of fact, law, or discretion presented on the record;

(2) All facts officially noticed and relied on, if any, in making the decision;

(3) The appropriate ruling, order, or denial or relief, with the effective date and time within which a notice of appeal from the initial decision may be filed;

(4) The time when the decision becomes final.

(c) Issues to be decided by the board:

(1) In a contested proceeding for the issuance of a construction permit, the board will determine the following issues:

(i) Whether in accordance with the provisions of § 50.35(a) of this chapter:

(a) The applicant has described the proposed design of the facility, including, but not limited to, the principal architectural and engineering criteria for the design, and has identified the major features or components incorporated therein for the protection of the health and safety of the public;

(b) Such further technical or design information as may be required to complete the safety analysis and which can reasonably be left for later consideration, will be supplied in the final safety analysis report;

(c) Safety features or components, if any, which requires research and development have been described by the applicant and the applicant has identified, and there will be conducted, a research and development program reasonably designed to resolve any safety questions associated with such features and components; and

(d) On the basis of the foregoing, there is reasonable assurance that

(i) Such safety questions will be satisfactorily resolved at or before the latest date stated in the application for completion of construction of the proposed facility, and

(2) Taking into consideration the site criteria contained in Part 100 of this chapter, the proposed facility can be constructed and operated at the proposed location without undue risk to the health and safety of the public.

(ii) Whether the applicant is technically qualified to design and construct the proposed facility;

(iii) Whether the applicant is financially qualified to design and construct the proposed facility;

(iv) Whether the issuance of a permit for the construction of the facility will be inimical to the common defense and security or to the health and safety of the public;

(v) Whether, with respect to the requirements of section 102(2) (A), (C) and (E) of the National Environmental Policy Act, in accordance with Subpart A of Part 51 of this chapter, the construction permit should be issued as proposed.

(2) In an uncontested proceeding for the issuance of a construction permit, the board will, without conducting a de novo evaluation of the application, determine:

(i) Whether the application and the record of the proceeding contain sufficient information, and the review of the application by the Commission's staff has been adequate, to support the findings proposed to be made and required by the Act for the issuance of the construction permit proposed by the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, and

(ii) Whether the review conducted pursuant to the National Environmental Policy Act of 1969 has been adequate.

(3) Regardless of whether the proceeding is contested or uncontested, the board will, in its initial decision, in accordance with Subpart A of Part 51 of this chapter:

(i) Determine whether the requirements of section 102(2)(A), (C) and (E) of the National Environmental Policy Act and Subpart A of Part 51 of this chapter have been complied with in the proceeding;

(ii) Independently consider the final balance among conflicting factors contained in the record of the proceeding with a view to determining the appropriate action to be taken; and

(iii) Determine whether the construction permit should be issued, denied, or appropriately conditioned to protect environmental values.

(d) It is expected that ordinarily a board will render its initial decision within 35 days after its receipt of proposed findings of fact and conclusions of law filed by the parties in a contested case and within 15 days after receipt of such proposed findings and conclusions in an uncontested case.

(e) The initial decision will be transmitted to the Chief, Docketing and Service Section, Office of the Secretary, for issuance.

(f) After the board's initial decision is issued, the entire record of the hearing, including the board's initial decision, will be sent to the Commission

for review. In the course of this review, the Commission may allow the board's decision to become the final decision of the Commission, may modify a board decision, or may send the case back to the board for additional testimony on particular points or for further consideration of particular issues.

VII. GENERAL

(a) Two members, being a majority of the board, constitute a quorum, if one of those members is the member qualified in the conduct of administrative proceedings. The vote of a majority controls in any decision by a board, including rulings during the course of a hearing as well as formal orders and the initial decision. A dissenting member is of course, free to express his dissent and the reasons for it in a separate opinion for the record.

(b) The Commission or the Chairman of the Atomic Safety and Licensing Board Panel may designate a technically qualified alternate or an alternate qualified in the conduct of administrative proceedings, or both, for a board. The designation of an alternate is discretionary. Alternates may be designated where the Commission (or the Chairman of the Atomic Safety and Licensing Board Panel) in its judgment believes that a proceeding involves factors that warrant the continuing assignment and presence of an alternate. If any alternates are designated before the hearing, they will receive copies and become familiar with the application and other documents filed by the parties prior to the start of the hearing. It is expected that an alternate will be constituted or appointed by the Commission or the Chairman of the Atomic Safety and Licensing Board Panel as a member of the board in situations where a technically qualified member of the board, or the member qualified in the conduct of administrative proceedings, becomes unavailable.

(c) Section 2.781 specifies when consultation between Commissioners or boards on the one hand, and the staff, on the other hand, is permitted in licensing proceedings conducted under Subpart C. Section 2.781 also permits a board, in the same type of proceeding, to consult with members of the panel, from which the members of the board are drawn.

VIII. PROCEDURES APPLICABLE TO OPERATING LICENSE PROCEEDINGS

(a) This section sets out certain differences in procedure from those described in sections I-VII above, which are required by the fact that the proceeding is for the issuance of an operating license rather than a construction permit. Otherwise, the provisions of sections I through VII of this statement of general policy also apply to an operating license proceeding, except as the context requires otherwise.

43 FR 7209
43 FR 52282
43 FR 7209
43 FR 9328
43 FR 9328
43 FR 7209
43 FR 29403
43 FR 29403
43 FR 18652

40 FR 51095
53 FR 10360
43 FR 18652

44 FR 61088
 (b) In an operating license proceeding the board will determine the matters in controversy among the parties, and where the board determines that a serious safety, environmental, or common defense and security matter was not raised by the parties, the board will determine such matter as being among the issues to be decided. Those issues will be specified in the notice of a hearing issued by the Commission, or in a prehearing conference order issued by the board in the exercise of its discretion during the hearing.

37 FR 15127
 (d) In operating license proceedings, the procedure for summary disposition of the proceeding on the pleadings described in § 2.749 may be used to determine the ultimate issue of whether the operating license should be issued.

40 FR 2973
 The issues will be the matters in controversy among the parties or raised by the board within the purview of the following:

37 FR 15127
 (1) Whether there is reasonable assurance that construction of the facility will be substantially completed, on a timely basis, in conformity with the construction permit and the application as amended, the provisions of the Act, and the rules and regulations of the Commission;

(2) Whether the facility will operate in conformity with the application as amended, the provisions of the Act, and the rules and regulations of the Commission;

(3) Whether there is reasonable assurance (i) that the activities to be authorized by the operating license can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;

49 FR 35747
 (4) Whether the applicant is technically and financially qualified to engage in the activities to be authorized by the operating license in accordance with the Commission's regulations, except that the issue of financial qualification shall not be considered by the board if the applicant is an electric utility seeking a license to operate a utilization facility of the type described in § 50.21(b) or § 50.22.

37 FR 15127
 (5) Whether the applicable provisions of 10 CFR Part 140 have been satisfied;

(6) Whether issuance of the license will be inimical to the common defense and security or to the health and safety of the public; and

49 FR 935
 (7) Whether, with respect to the requirements of section 102(2) (A), (C), and (F) of the National Environmental Policy Act, in accordance with Subpart A of Part 51, the operating license should be issued as proposed.

40 FR 2973
 (c) The board, in operating license proceedings, will make findings on the matters in controversy among the parties and any matter not raised by the parties but examined by the board in its discretion in accordance with paragraph (b) of this section and § 2.760a. Depending on the resolution of those matters, the Director of Regulation would issue, deny, or appropriately condition the operating license.

Antitrust Information." The notice shall invite persons to submit, within thirty (30) days after publication of the notice, comments or information concerning antitrust aspects of the application to assist the Director in determining, pursuant to section 105c of the Act, whether significant changes in the licensee's activities or proposed activities have occurred since completion of the previous antitrust review in connection with the construction permit application. The notice shall also state that persons who wish to have their views on the antitrust aspects of the application considered by the NRC and presented to the Attorney General for consideration should submit such views within thirty (30) days after publication of the notice to: U.S. Nuclear Regulatory Commission, Washington, DC 20555. Attention: Chief, Antitrust and Economic Analysis Branch.

(3) If the Director of Nuclear Reactor Regulation or the Director of Nuclear Material Safety and Safeguards, as appropriate, after reviewing any comments or information received in response to the published notice and any comments or information regarding the applicant received from the Attorney General, concludes that there have been no significant changes since the completion of the previous antitrust review in connection with the construction permit, a finding of no significant changes shall be published in the Federal Register, together with a notice stating that any request for reevaluation of such finding should be submitted within thirty (30) days of publication of the notice. If no requests for reevaluation are received within that time, the finding shall become the NRC's final determination. Requests for a reevaluation of the no significant changes determination shall be accepted after the date when the Director's finding becomes final but before the issuance of the OL only if they contain new information, such as information about facts or events of antitrust significance that have occurred since that date, or information that could not reasonably have been submitted prior to that date.

(4) If, as a result of the reevaluation of the finding described above, it is determined that there have been no significant changes, the Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, shall deny the request and shall publish a notice of finding of no significant changes in the Federal Register. The notice and finding become the final NRC decision thirty (30) days after being made and only in the event that the Commission has not exercised sua sponte review.

(5) If the Director of Nuclear Reactor Regulation or the Director of Nuclear Material Safety and Safeguards, as appropriate, concludes that significant changes have occurred since the completion of the previous antitrust review in connection with the construction permit, then the provisions of § 2.102(d) shall apply.

(c)(1) Except as provided in paragraph (c)(2) below, the Director of Nuclear Reactor Regulation or the Director of Nuclear Material Safety and Safeguards, as appropriate, shall refer and transmit a copy of each application for a construction permit or an operating license for a utilization or production facility under section 103 of the

Act, to the Attorney General as required by section 105c of the Act. Under that section, the Attorney General will, within a reasonable time, but in no event to exceed 180 days after receipt, render such advice to the Commission as is determined to be appropriate in regard to the finding to be made by the Commission as to whether the activities under the license would create or maintain a situation inconsistent with the antitrust laws specified in subsection 105a of the Act.

(2) The review by the Attorney General described in paragraph (c)(1) above is not required for applications for operating licenses for production or utilization facilities under section 103 of the Act for which the construction permit was also issued under section 103, unless the Director of Nuclear Reactor Regulation or the Director of Nuclear Material Safety and Safeguards, as appropriate, determines, after consultation with the Attorney General and in accordance with § 2.101(e), that such review is advisable on the ground that significant changes in the licensee's activities or proposed activities have occurred subsequent to the previous review by the Attorney General and by the Commission under section 105c of the Act in connection with the construction permit.

(d) The Director of Nuclear Reactor Regulation or Director of Nuclear Material Safety and Safeguards, as appropriate, will publish the Attorney General's advice in the FEDERAL REGISTER promptly upon receipt, and will make such advice a part of the record in any proceeding on antitrust matters conducted in accordance with subsection 105c(5) and section 189a of the Act. The Director of Regulation will also publish in the FEDERAL REGISTER a notice that the Attorney General has not rendered any such advice. The notice published in the FEDERAL REGISTER will also include a notice of hearing, if appropriate, or, if the Attorney General has not recommended a hearing, will state that any person whose interest may be affected by the proceeding may, pursuant to and in accordance with § 2.714, file a petition for leave to intervene and request a hearing on the antitrust aspects of the application. The notice will state that petitions for leave to intervene and requests for hearing shall be filed within 30 days after publication of the notice.

(e) If a hearing on antitrust aspects of the application is requested, or is recommended by the Attorney General, it will generally be held separately from the hearing held on matters of radiological health and safety and common defense and security described in sections I-VIII of this appendix. The notice of hearing will fix a time for the hearing, which will be as soon as practicable after the receipt of the Attorney General's advice and compliance with section 189a of the Act and other provisions of this part. However, as permitted by subsection 105c(8) of the Act, with respect to proceedings in which an application for a construction permit was filed prior to December 19, 1970, and proceedings in which a written request for antitrust review of an application for an operating license to be issued under section 104b has been made by a person who intervened or sought by timely written notice to the Commission to intervene in the construction permit proceeding for the facility to obtain a determination of antitrust consideration or to advance a jurisdictional basis for such determination within 25 days after the date of publication in the FEDERAL REGISTER of notice of filing of the applica-

Proceedings for the Consideration of Antitrust Aspects of Facility License Applications

(a) Under the Atomic Energy Act of 1954, as amended, the Commission is required, with respect to applications for construction permits or operating licenses for production and utilization facilities for industrial or commercial purposes licensed under section 103, which include power reactors subject to the mandatory hearing requirements of section 189a of the Act, to follow procedures for antitrust review in section 105c of the Act. This section outlines the procedures used by the Commission to implement that section.

(b)(1) When the antitrust information portion of an application is received and docketed for a facility construction permit under section 103 of the Act which is subject to antitrust review under section 105c, the notice of receipt of the antitrust information published in the Federal Register shall state that persons who wish to have their views on the antitrust aspects of the application considered by the NRC and presented to the Attorney General for consideration shall submit such views to the Commission within sixty (60) days after publication of the notice.

(2) Upon receipt of the antitrust information responsive to Regulatory Guide 9.3 submitted in connection with an application for a facility operating license under section 103 of the Act, the Director of Nuclear Reactor Regulation or the Director of Nuclear Material Safety and Safeguards, as appropriate, shall publish in the Federal Register and in appropriate trade journals a notice of Receipt of Operating License

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37 FR 15127
tion for an operating license or December 19, 1979), whichever is later, the Commission may issue a construction permit or operating license, provided that the permit or license so issued contains the condition specified in § 50.55b of this chapter.

46 FR 55083
(f) Hearings on antitrust aspects will be conducted by a presiding officer, either an Administrative Law Judge or an atomic safety and licensing board comprised of three members, one of whom will be qualified in the conduct of administrative proceedings and two of whom will have such technical or other qualifications as the Commission deems appropriate to the issues to be decided.

35 FR 19655
(g) When the Attorney General has advised that there may be adverse antitrust aspects and recommends that a hearing be held, the Attorney General or his designee may participate as a party in the proceedings.

(h) At the hearing, the presiding officer will give due consideration to the advice received from the Attorney General and to evidence pertaining to antitrust aspects received at the hearing.

(i) The presiding officer will, in the initial decision, make a finding as to whether the activities under the proposed license would create or maintain a situation inconsistent with the antitrust laws as specified in section 105a of the Act. If the presiding officer finds that such a situation would be created or maintained, it will consider, in determining whether the permit or license should be issued or continued, such other factors as it deems necessary to protect the public interest, including the need for power in the affected area. The certainty of contravening the antitrust laws or the policies clearly underlying these laws is not intended to be implicit in this standard; nor is mere possibility of inconsistency. The finding will be based on reasonable probability of contravention of the antitrust laws or the policies clearly underlying these laws. The presiding officer will conclude whether, in its judgment, it is reasonably probable that the activities under the license would, when the license is issued or thereafter, be inconsistent with any of the antitrust laws or the policies clearly underlying these laws.

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(j) On the basis of the findings in the proceeding on the antitrust aspect of the application, the presiding officer may (i) authorize the issuance of the permit or license after favorable consideration of matters of radiological health and safety and common defense and security, and matters raised under the National Environmental Policy Act of 1969, at the hearing described in sections I-VIII of this appendix; (ii) authorize the continuation of a permit or license already issued; (iii) direct the denial of the application for the permit or license, or the rescission of a permit or license already issued; or (iv) authorize the issuance of a permit or license subject to appropriate conditions, and subject to favorable consideration of matters of radiological health and safety and common defense matters raised under the National Environmental Policy Act of 1969 at the hearing described in sections I-VIII of this appendix.

➤ Appendix B to Part 2
[Reserved 58 FR 46610.]

Appendix C — General Statement of Policy and Procedure for NRC Enforcement Actions

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Preface

The following statement of general policy and procedure explains the enforcement policy and procedures of the U.S. Nuclear Regulatory Commission and its staff in initiating enforcement actions, and of the presiding officers and the Commission in reviewing these actions. This statement is applicable to enforcement in matters involving the public health and safety, the common defense and security, and the environment.¹ This statement of general policy and procedure is published in the Code of Federal Regulations to provide widespread dissemination of the Commission's Enforcement Policy. However, this is a policy statement and not a regulation. The Commission may deviate from this statement of policy and procedure as appropriate under the circumstances of a particular case.

I. Introduction and Purpose

The purpose of the NRC enforcement program is to promote and protect the radiological health and safety of the public, including employees' health and safety, the common defense and security, and the environment by:

- Ensuring compliance with NRC regulations and license conditions;
- Obtaining prompt correction of violations and adverse quality conditions which may affect safety;
- Deterring future violations and occurrences of conditions adverse to quality; and
- Encouraging improvement of licensee and vendor² performance, and by example, that of industry, including the prompt identification and reporting of potential safety problems.

Consistent with the purpose of this program, prompt and vigorous enforcement action will be taken when dealing with licensees, vendors, contractors, and employees of any of them, who do not achieve the necessary meticulous attention to detail and the high standard of compliance which the NRC expects.³ Each enforcement action is dependent on the circumstances of the

¹ Antitrust enforcement matters will be dealt with on a case-by-case basis.

² The term "vendor" as used in this policy means a supplier of products or services to be used in an NRC-licensed facility or activity.

³ This policy primarily addresses the activities of NRC licensees. Therefore, the term "licensee" is used throughout the policy. However, in those cases where the NRC determines that it is appropriate to take enforcement action against a non-licensee or individual, the guidance in this policy will be used, as applicable. Specific guidance regarding enforcement action against individuals and non-licensees is addressed in Sections VIII and X respectively.

case and requires the exercise of discretion after consideration of these policies and procedures. In no case, however, will licensees who cannot achieve and maintain adequate levels of protection be permitted to conduct licensed activities.

II. Statutory Authority and Procedural Framework

A. Statutory Authority

The NRC's enforcement jurisdiction is drawn from the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act (ERA) of 1974, as amended.

Section 161 of the Atomic Energy Act authorizes NRC to conduct inspections and investigations and to issue orders as may be necessary or desirable to promote the common defense and security or to protect health or to minimize danger to life or property. Section 186 authorizes NRC to revoke licenses under certain circumstances (e.g., for material false statements, in response to conditions that would have warranted refusal of a license on an original application, for a licensee's failure to build or operate a facility in accordance with the terms of the permit or license, and for violation of an NRC regulation). Section 234 authorizes NRC to impose civil penalties not to exceed \$100,000 per violation per day for the violation of certain specified licensing provisions of the Act, rules, orders, and license terms implementing these provisions, and for violations for which licenses can be revoked. In addition to the enumerated provisions in section 234, sections 84 and 147 authorize the imposition of civil penalties for violations of regulations implementing those provisions. Section 232 authorizes NRC to seek injunctive or other equitable relief for violation of regulatory requirements.

Section 206 of the Energy Reorganization Act authorizes NRC to impose civil penalties for knowing and conscious failures to provide certain safety information to the NRC.

Chapter 18 of the Atomic Energy Act provides for varying levels of criminal penalties (i.e., monetary fines and imprisonment) for willful violations of the Act and regulations or orders issued under sections 65, 161(b), 161(i), or 161(o) of the Act. Section 223 provides that criminal penalties may be imposed on certain individuals employed by firms constructing or supplying basic components of any utilization facility if the individual knowingly and willfully

violates NRC requirements such that a basic component could be significantly impaired. Section 235 provides that criminal penalties may be imposed on persons who interfere with inspectors. Section 236 provides that criminal penalties may be imposed on persons who attempt to or cause sabotage at a nuclear facility or to nuclear fuel. Alleged or suspected criminal violations of the Atomic Energy Act are referred to the Department of Justice for appropriate action.

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B. Procedural Framework

Subpart B of 10 CFR part 2 of NRC's regulations sets forth the procedures the NRC uses in exercising its enforcement authority. 10 CFR 2.201 sets forth the procedures for issuing notices of violation.

The procedure to be used in assessing civil penalties is set forth in 10 CFR 2.205. This regulation provides that the civil penalty process is initiated by issuing a Notice of Violation and Proposed Imposition of a Civil Penalty. The licensee or other person is provided an opportunity to contest in writing the proposed imposition of a civil penalty. After evaluation of the response, the civil penalty may be mitigated, remitted, or imposed. An opportunity is provided for a hearing if a civil penalty is imposed. If a civil penalty is not paid following a hearing, if a hearing is not requested, the matter may be referred to the U.S. Department of Justice to institute a civil action in District Court.

The procedure for issuing an order to institute a proceeding to modify, suspend, or revoke a license or to take other action against a licensee or other person subject to the jurisdiction of the Commission is set forth in 10 CFR 2.202. The licensee or any other person adversely affected by the order may request a hearing. The NRC is authorized to make orders immediately effective if required to protect the public health, safety, or interest, or if the violation is willful. Section 2.204 sets out the procedures for issuing a Demand for Information (Demand) to a licensee or other person subject to the Commissioner's jurisdiction for the purpose of determining whether an order or other enforcement action should be issued. The Demand does not provide hearing rights, as only information is being sought. A licensee must answer a Demand. An unlicensed person may answer a Demand by either providing the requested information or explaining why the Demand should not have been issued.

III. Responsibilities

The Executive Director for Operations (EDO) and the principal enforcement officers of the NRC, the Deputy Executive Director for Nuclear Material Safety Safeguards and Operations Support (DEDS) and the Deputy Executive Director for Nuclear Reactor Regulation, Regional Operations, and Research (DEDR), have been delegated the authority to approve or issue all escalated enforcement actions.⁴ The DEDS is responsible to the EDO for the NRC enforcement programs. The Office of Enforcement (OE) exercises oversight of and implements the NRC enforcement programs. The Director, OE, acts for the Deputy Executive Directors in enforcement matters in their absence or as delegated. Subject to the oversight and direction of OE, and with the approval of the appropriate Deputy Executive Director, where necessary, the regional offices normally issue Notices of Violation and proposed civil penalties. However, subject to the same oversight as the regional offices, the Office of Nuclear Reactor Regulation (NRR) issues Notices of Violation and proposed civil penalties to vendors and suppliers and the Office of Nuclear Material Safety and Safeguards (NMSS) issues Notices of Violation and proposed civil penalties to certificate holders and to fuel cycle facilities for violations involving material control and accounting. Escalated enforcement actions are normally coordinated with the appropriate offices by the OE. Enforcement orders are normally issued by a Deputy Executive Director or the Director, OE. However, orders may also be issued by the EDO, especially those involving the more significant matters. The Directors of NRR and NMSS have also been delegated authority to issue orders, but it is expected that normal use of this authority by NRR and NMSS will be confined to actions not associated with compliance issues. The Director, Office of the Controller, has been delegated the authority to issue orders where licensees violate Commission regulations by nonpayment of license and inspection fees.

⁴ The term "escalated enforcement action" as used in this policy means a Notice of Violation for any Severity Level I, II, or III violation; a civil penalty for any Severity Level I, II, III, or IV violation and any order based upon a violation.

In recognition that the regulation of nuclear activities in many cases does not lend itself to a mechanistic treatment, judgment and discretion must be exercised in determining the severity levels of the violations and the appropriate enforcement sanctions, including the decision to issue a Notice of Violation, or to propose or impose a civil penalty and the amount of this penalty, after considering the general principles of this statement of policy and the technical significance of the violations and the surrounding circumstances.

Unless Commission consultation or notification is required by this policy, the staff may depart, where warranted in the public's interest, from this policy with the approval of the appropriate Deputy Executive Director and consultation with the EDO as warranted. (See also Section VII, "Exercise of Discretion.")

The Commission will be provided written notification of all enforcement actions involving civil penalties or orders. The Commission will also be provided notice in those cases where discretion is exercised and discussed in Section VII.B.6. In addition, the Commission will be consulted prior to taking action in the following situations (unless the urgency of the situation dictates immediate action):

- (1) An action affecting a licensee's operation that requires balancing the public health and safety or common defense and security implications of ... operating with the potential radiological or other hazards associated with continued operation;
- (2) Proposals to impose civil penalties in amounts greater than 3 times the Severity Level I values shown in Table 1A;
- (3) Any proposed enforcement action that involves a Severity Level I violation;
- (4) Any enforcement action that involves a finding of a material false statement;
- (5) Exercising discretion for matters meeting the criteria of Section VII.A.1 for Commission consultation;
- (6) Refraining from taking enforcement action for matters meeting the criteria of Section VII.B.3;
- (7) Any proposed enforcement action that involves the issuance of a civil penalty or order to an unlicensed individual or a civil penalty to a licensed reactor operator;

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(8) Any action the EDO believes warrants Commission involvement;

(9) Any enforcement case involving an Office of Investigation (OI) report where NRC staff (other than OI staff) does not arrive at the same conclusions as those in the OI report concerning issues of intent.

(10) Any proposed enforcement action on which the Commission asks to be consulted.

IV. Severity of Violations

Regulatory requirements⁵ have varying degrees of safety, safeguards, or environmental significance. Therefore, the relative importance of each violation, including both the technical significance and the regulatory significance is evaluated as the first step in the enforcement process.

Consequently, violations are normally categorized in terms of five levels of severity to show their relative importance within each of the following eight activity areas:

- I. Reactor Operations;
- II. Facility Construction;
- III. Safeguards;
- IV. Health Physics;
- V. Transportation;
- VI. Fuel Cycle and Materials Operations;
- VII. Miscellaneous Matters; and
- VIII. Emergency Preparedness.

Licensed activities will be placed in the activity area most suitable in light of the particular violation involved including activities not directly covered by one of the above listed areas, e.g., export license activities. Within each activity area, Severity Level I has been assigned to violations that are the most significant and Severity Level V violations are the least significant. Severity Level I and II violations are of very significant regulatory concern. In general, violations that are included in these severity categories involve actual or high potential impact on the public. Severity Level III violations are cause for significant regulatory concern. Severity Level IV violations are less serious but are of more than minor concern; i.e., if left uncorrected, they could lead to a more serious concern. Severity Level V violations are of minor safety or environmental concern.

⁵ The term "requirement" as used in this policy means a legally binding requirement such as a statute, regulation, license condition, technical specification, or order.

Comparisons of significance between activity areas are inappropriate. For example, the immediacy of any hazard to the public associated with Severity Level I violations in Reactor Operations is not directly comparable to that associated with Severity Level I violations in Facility Construction.

Supplements I through VIII provide examples and serve as guidance in determining the appropriate severity level for violations in each of the eight activity areas. However, the examples are neither exhaustive nor controlling. In addition, these examples do not create new requirements. Each is designed to illustrate the significance that the NRC places on a particular type of violation of NRC requirements. Each of the examples in the supplements is predicated on a violation of a regulatory requirement.

The NRC reviews each case being considered for enforcement action on its own merits to ensure that the severity of a violation is characterized at the level best suited to the significance of the particular violation. In some cases, special circumstances may warrant an adjustment to the severity level categorization.

A. Aggregation of Violations

A group of violations may be evaluated in the aggregate and assigned a single, increased severity level, thereby resulting in a Severity Level III problem, if the violations have the same underlying cause or programmatic deficiencies, or the violations contributed to or were unavoidable consequences of the underlying problem. Normally, Severity Level I and II violations are not aggregated into a higher severity level.

The purpose of aggregating violations is to focus the licensee's attention on the fundamental underlying causes for which enforcement action appears warranted and to reflect the fact that several violations with a common cause may be more significant collectively than individually and may therefore, warrant a more substantial enforcement action. In addition, a civil penalty for multiple occurrences of a violation with the same root cause may be subject to escalation of the base civil penalty. (See Section VI.B.2.(e))

B. Repetitive Violations

The severity level of a Severity Level V or IV violation may be increased to Severity Level IV or III respectively, if the violation can be considered a repetitive violation.⁶ The purpose of escalating the severity level of a repetitive violation is to acknowledge the added significance of the situation based on the licensee's failure to implement effective corrective action for the previous violation. The decision to escalate the severity level of a repetitive violation will depend on the circumstances, such as, but not limited to, the number of times the violation has occurred, the similarity of the violations and their root causes, the adequacy of previous corrective actions, the period of time between the violations, and the significance of the violations. (Civil penalties may also be proposed for repetitive Severity Level IV violations as discussed in Section VI.B.)

C. Willful Violations

Willful violations are by definition of particular concern to the Commission because its regulatory program is based on licensees and their contractors, employees, and agents acting with integrity and communicating with candor. Willful violations cannot be tolerated by either the Commission or a licensee. Licensees are expected to take significant remedial action in responding to willful violations commensurate with the circumstances such that it demonstrates the seriousness of the violation thereby creating a deterrent effect within the licensee's organization. While removal of the person is not necessarily required, substantial disciplinary action is expected.

⁶ The term "repetitive violation" or "similar violation" as used in this policy statement means a violation that reasonably could have been prevented by a licensee's corrective action for a previous violation normally occurring (1) within the past two years of the inspection at issue, or (2) the period within the last two inspections, whichever is longer.

Therefore, the severity level of a violation may be increased if the circumstances surrounding the matter involve careless disregard of requirements, deception, or other indications of willfulness. The term "willfulness" as used in this policy embraces a spectrum of violations ranging from deliberate intent to violate or falsify to and including careless disregard for requirements. Willfulness does not include acts which do not rise to the level of careless disregard, e.g., inadvertent clerical errors in a document submitted to the NRC. In determining the specific severity level of a violation involving willfulness, consideration will be given to such factors as the position and responsibilities of the person involved in the violation (e.g., licensee official⁷ or non-supervisory employee), the significance of any underlying violation, the intent of the violator (i.e., careless disregard or deliberateness), and the economic or other advantage, if any, gained as a result of the violation. The relative weight given to each of these factors in arriving at the appropriate severity level will be dependent on the circumstances of the violation. However, the severity level of a willful severity level V violation will be increased to at least a severity level IV.

D. Violations of Reporting Requirements

The NRC expects licensees to provide complete, accurate, and timely information and reports. Accordingly, unless otherwise categorized in the Supplements, the severity level of a violation involving the failure to make a required report to the NRC will be based upon the significance of and the circumstances surrounding the matter that should have been reported. However, the severity level of an untimely report, in contrast to no report, may be reduced depending on the

circumstances surrounding the matter. A licensee will not normally be cited for a failure to report a condition or event unless the licensee was actually aware of the condition or event that it failed to report. A licensee will, on the other hand, normally be cited for a failure to report a condition or event if the licensee knew of the information to be reported, but did not recognize that it was required to make a report.

V. Enforcement Conferences

Whenever the NRC has learned of the existence of a potential violation for which escalated enforcement action may be warranted, or recurring nonconformance on the part of a vendor, the NRC will normally provide an opportunity for an enforcement conference with the licensee, vendor, or other person prior to taking enforcement action. Although enforcement conferences are not normally held for Severity Level IV violations, they may be scheduled if increased management attention is warranted e.g., if the violations are repetitive. The purpose of the enforcement conference is to (1) discuss the violations or nonconformances, their significance, the reason for their occurrence, including the apparent root causes, and the licensee's or vendor's corrective actions, (2) determine whether there were any aggravating or mitigating circumstances, and (3) obtain other information that will help the NRC determine the appropriate enforcement action.

During the enforcement conference, the licensee, vendor, or other person will be given an opportunity to provide information consistent with the purpose of the conference, including an explanation to the NRC of the immediate corrective actions (if any) that were taken following identification of the potential violation or nonconformance and the long term comprehensive actions that were taken or will be taken to prevent recurrence. Licensees, vendors, or other persons will be told when a meeting is an enforcement conference. Enforcement conferences will not normally be open to the public.

When needed to protect the public health and safety or common defense and security, escalated enforcement action, such as the issuance of an immediately effective order modifying, suspending, or revoking a license, will be taken prior to the enforcement conference. In these cases, an enforcement conference may be held after the escalated enforcement action is taken.

VI. Enforcement Actions

This section describes the enforcement sanctions available to the NRC and specifies the conditions under which each may be used. The basic sanctions are Notices of Violation, civil penalties, and orders of various types. As discussed further in Section VI.D, related administrative mechanisms such as Notices of Nonconformance, Notices of Deviation, Confirmatory Action Letters, letters of reprimand, and Demands for Information are used to supplement the enforcement program. In selecting the enforcement sanctions to be applied, the NRC will consider enforcement actions taken by other Federal or State regulatory bodies having concurrent jurisdiction, such as in transportation matters. Usually, whenever a violation of NRC requirements is identified, enforcement action is taken. The nature and extent of the enforcement action is intended to reflect the seriousness of the violation involved. For the vast majority of violations, a Notice of Violation or a Notice of Nonconformance is the normal enforcement action.

⁷ The term "licensee official" as used in this policy statement means a first-line supervisor or above, a licensed individual, a radiation safety officer, or an authorized user of licensed material whether or not listed on a license. Notwithstanding an individual's job title, severity level categorization for willful acts involving individuals who can be considered licensee officials will consider several factors, including the position of the individual relative to the licensee's organizational structure and the individual's responsibilities relative to the oversight of licensed activities and to the use of licensed material.

A. Notice of Violation

A Notice of Violation is a written notice setting forth one or more violations of a legally binding requirement. The Notice of Violation normally requires the recipient to provide a written statement describing (1) the reasons for the violation or, if contested, the basis for disputing the violation; (2) corrective steps that have been taken and the results achieved; (3) corrective steps that will be taken to prevent recurrence; and (4) the date when full compliance will be achieved. The NRC may require responses to Notices of Violation to be under oath. Normally, responses under oath will be required only in connection with civil penalties and orders.

The NRC uses the Notice of Violation as the usual method for formalizing the existence of a violation. Issuance of a Notice of Violation is normally the only enforcement action taken, except in cases where the criteria for issuance of civil penalties and orders, as set forth in Sections VI.B and VI.C, respectively, are met. However, special circumstances regarding the violation findings may warrant discretion being exercised such that the NRC refrains from issuing a Notice of Violation. (See Section VII.B. "Mitigation of Enforcement Sanctions.") In addition, licensees are not ordinarily cited for violations resulting from matters not within their control, such as equipment failures that were not avoidable by reasonable licensee quality assurance measures or management controls. Generally, however, licensees are held responsible for the acts of their employees. Accordingly, this policy should not be construed to excuse personnel errors.

B. Civil Penalty

A civil penalty is a monetary penalty that may be imposed for violation of (1) certain specified licensing provisions of the Atomic Energy Act or supplementary NRC rules or orders; (2) any requirement for which a license may be revoked; or (3) reporting requirements under section 206 of the Energy Reorganization Act. Civil penalties are designed to emphasize the need for lasting remedial action and to deter future violations both by the involved licensee as well as by other licensees conducting similar activities.

Civil penalties are proposed (absent mitigating circumstances) for Severity Level I, II, and III violations, and may be proposed for repetitive Severity Level IV violations or for any willful violation. In addition, civil penalties will normally be assessed for knowing and conscious violations of the reporting requirements of section 206 of the Energy Reorganization Act.

1. Base Civil Penalty

The NRC imposes different levels of penalties for different severity level violations and different classes of licensees, vendors, and other persons. Tables 1A and 1B show the base civil penalties for various reactor, fuel cycle, materials, and vendor programs. (Civil penalties issued to individuals are determined on a case-by-case basis.) The structure of these tables generally takes into account the gravity of the violation as a primary consideration and the ability to pay as a secondary consideration. Generally, operations involving greater nuclear material inventories and greater potential consequences to the public and licensee employees receive higher civil penalties. Regarding the secondary factor of ability of various classes of licensees to pay the civil penalties, it is not the NRC's intention that the economic impact of a civil penalty be so severe that it puts a licensee out of business (orders, rather than civil penalties, are used when the intent is to suspend or terminate licensed activities) or adversely affects a licensee's ability to safely conduct licensed activities. The deterrent effect of civil penalties is best served when the amounts of the penalties take into account a licensee's "ability to pay." In determining the amount of civil penalties for licensees for whom the tables do not reflect the ability to pay, the NRC will consider as necessary an increase or decrease on a case-by-case basis. Normally, if a licensee can demonstrate financial hardship, the NRC will consider payments over time, including interest, rather than reducing the amount of the civil penalty. However, where a licensee claims financial hardship, the licensee will normally be required to address why it has sufficient resources to safely conduct licensed activities and pay license and inspection fees.

2. Civil Penalty Adjustment Factors

In an effort to recognize and encourage good performance, deter poor performance, and emphasize violations of particular regulatory concern, the NRC reviews each proposed civil penalty on its own merits and, after considering all relevant circumstances, may adjust the base civil penalties shown in Table 1A and 1B for Severity Level I, II, and III violations based on an assessment of the following civil penalty adjustment factors. Civil penalties for Severity Level IV violations are normally proposed at the base values identified in the tables without assessing the civil penalty adjustment factors.

While management involvement, direct or indirect, in a violation may lead to an increase in the civil penalty, the lack of management involvement may not be used to mitigate a civil penalty. Allowing mitigation in the latter case could encourage lack of management involvement in licensed activities and a decrease in protection of the public health and safety.

(a) *Identification.* The purposes of this factor is to encourage licensees to monitor, supervise, and audit activities in order to assure safety and compliance. Therefore, the base civil penalty shown in Tables 1A and 1B may be mitigated up to 50% when a licensee identifies a violation and escalated up to 50% if the NRC identifies a violation. The base civil penalty may also be mitigated up to 25% when a licensee identifies a violation resulting from a self-disclosing event* where the licensee demonstrates initiative in identifying the root cause of the violation. In addition, the base civil penalty may also be mitigated where warranted if a licensee identifies a violation as a result of its review of a generic notification. While mitigation under this factor is appropriate for a licensee identified violation that was not reported to the NRC, a separate enforcement action will normally be issued for the licensee's failure to make the required report.

* The term "self-disclosing event" as used in this policy statement means an event that is readily obvious by human observation or mechanical instrumentation such as a spill of liquid, an open door (required to be closed), an overexposure documented in a dosimetry report, an annunciator alarm, or a reactor trip.

(b) *Corrective action.* The purposes of this factor is to encourage licensees to (1) take the immediate actions necessary upon discovery of a violation that will restore safety and compliance with the license, regulation(s), or other requirement(s); and (2) develop and implement (in a timely manner) the lasting actions that will not only prevent recurrence of the violation at issue, but will be appropriately comprehensive, given the significance and complexity of the violation, to prevent occurrence of similar violations. Therefore, the base civil penalty shown in Tables 1A and 1B may be either mitigated or escalated by as much as 50% depending on the promptness and extensiveness of the licensee's corrective action. In assessing this factor, consideration will be given to, among other things, the timeliness of the corrective action (including the promptness in developing the schedule for long term corrective action), the degree of licensee initiative (i.e., whether NRC involvement was required before acceptable action was taken), the adequacy of the licensee's root cause analysis for the violation, and, given the significance and complexity of the issue, the comprehensiveness of the corrective action (i.e., whether the action is focused narrowly to the specific violation or broadly to the general area of concern). Notwithstanding good comprehensive corrective action, if immediate corrective action was not taken to restore safety and compliance once the violation was identified, mitigation of the civil penalty based on this factor will not normally be considered and escalation may be considered to address the licensee's failure.

(c) *Licensee performance.* The purpose of this factor is to recognize and encourage good or improving licensee performance and to recognize and deter poor or declining performance. Therefore, the base civil penalty shown in Tables 1A and 1B may be mitigated by as much as 100% if the current violation is an isolated failure that is inconsistent with a licensee's outstandingly good prior performance. The base civil penalty may also be escalated by as much as 100% if the current violation is reflective of the licensee's poor or declining prior performance. Neither mitigation nor escalation may be appropriate based on

this factor where a licensee's poor prior performance appears to clearly be improving. Prior performance, as used in this policy statement, refers to the licensee's performance normally (1) within the last two years of the inspection at issue, or (2) the period within the last two inspections, whichever is longer. In assessing the licensee's prior performance, consideration will be given to, among other things, the effectiveness of previous corrective action for similar problems, overall performance such as Systematic Assessment of Licensee Performance (SALP) evaluations for power reactors, and the licensee's prior enforcement history overall and in the area of concern, including escalated and non-escalated enforcement actions and any enforcement actions that the NRC exercised discretion and refrained from issuing in accordance with Section VII.B. Notwithstanding good prior performance, mitigation of the civil penalty based on this factor is not normally warranted where the current violation reflects a substantial decline in performance that has occurred over the time since the last NRC inspection. In addition, this factor should not be applied for those cases where the licensee has not been in existence long enough to establish a prior performance or inspection history. Similarly, mitigation based on this factor is not normally appropriate where the area of concern has not been previously inspected, unless overall performance is good.

(d) *Prior opportunity to identify.* The purpose of this factor is to encourage licensees to take effective action in response to opportunities to identify or prevent problems or violations. Therefore, the base civil penalty shown in Tables 1A and 1B may be escalated by as much as 100% for cases where the licensee should have identified the violation sooner as a result of prior opportunities, such as (1) through normal surveillances, audits, or quality assurance (QA) activities; (2) through prior notice i.e., specific NRC or industry

notification; or (3) through other reasonable indication of a potential problem or violation, such as observations of employees and contractors, and had failed to take effective corrective steps. Prior notification may include findings of the NRC, the licensee, or industry made at other facilities operated by the licensee where it is reasonable to expect the licensee to take action to identify or prevent similar problems at the facility subject to the enforcement action at issue. In assessing this factor, consideration will be given to, among other things, the opportunities available to discover the violation, the ease of discovery, the similarity between the violation and the notification, the period of time between when the violation occurred and when the notification was issued, the action taken (or planned) by the licensee in response to the notification, and the level of management review that the notification received (or should have received). Escalation of the civil penalty based solely on prior notification is normally not warranted where the licensee appropriately reviewed the notification for application to its activities and reasonable action was either taken or planned to be taken within a reasonable time.

(e) *Multiple occurrences.* The purpose of this factor is to reflect the added significance resulting from multiple occurrences of the violation. Therefore, the base civil penalty shown in Tables 1A and 1B may be escalated by as much as 100% where multiple examples of a particular violation are identified during the inspection period. Escalation of the civil penalty based on this factor will normally be considered only when there are multiple examples of Severity Level I, II, or III violations with the same root causes. Alternatively, separate civil penalties may be imposed for each violation.

(f) *Duration.* The purpose of this factor is to recognize the added significance associated with those violations (or the impact of those violations) that continue

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or remain uncorrected for more than one day. Therefore, whether or not a licensee is aware or clearly should have been aware of a violation, the base civil penalty shown in Tables 1A and 1B may be escalated by as much as 100% to reflect the added technical and/or regulatory significance resulting from the violation or the impact of it remaining uncorrected for more than one day. This factor should normally be applied in cases involving particularly safety significant violations or where a significant regulatory message is warranted. In lieu of escalating the civil penalty based on this factor, the NRC may impose daily civil penalties for violations that continue for more than one day. (See Section VII.A.3. "Daily Civil Penalties.")

The civil penalty adjustment factors presented in paragraphs (a) through (f) are additive. However, in no instance will a civil penalty for any one violation exceed \$100,000 per day.

Notwithstanding the application of the civil penalty adjustment factors, a civil penalty will normally be proposed in an amount of at least 50% of the base value in Tables 1A and 1B for Severity Level I and II violations involving overexposures, release of radioactive material, or loss of radioactive material to emphasize to the licensee the seriousness with which the NRC views these events and the importance of conducting licensed activities in a manner to avoid these violations. In considering mitigation for these cases,

normally the only adjustment factors that will be considered to lower a base civil penalty will be identification and corrective action factors. In addition, as provided in Section VII, "Exercise of Discretion," discretion may be exercised by either escalating or mitigating the amount of the civil penalty arrived at after applying the civil penalty adjustment factors to ensure that the proposed civil penalty reflects the NRC's concern regarding the violation at issue and that it conveys the appropriate message to the licensee.

TABLE 1A—BASE CIVIL PENALTIES

	Plant operations, construction, health physics and EP	Safeguards	Transportation	
			Greater than Type A quantity ¹	Type A quantity or less ²
a. Power reactors.....	\$100,000	\$100,000	\$100,000	\$5,000
b. Test reactors.....	10,000	10,000	10,000	2,000
c. Research reactors and critical facilities.....	5,000	5,000	5,000	1,000
d. Fuel fabricators and industrial processors ³	25,000	100,000	25,000	5,000
e. Mills and Uranium conversion facilities.....	5,000	—	5,000	2,000
f. Industrial users of materials ⁴ , and contractors and vendors.....	1,000	—	5,000	2,000
g. Waste disposal licensees.....	1,000	—	5,000	2,000
h. Academic or medical institutions ⁵	5,000	—	2,500	1,000
i. Independent spent fuel and monitored retrievable storage installations.....	25,000	100,000	25,000	5,000
j. Other material licensees.....	1,000	—	2,500	1,000

¹ Includes irradiated fuel, high level waste, unirradiated fissile material, and any other quantities requiring Type B packaging.

² Includes low specific activity waste (LSA), low level waste, Type A packages, and excepted quantities and articles.

³ Large firms engaged in manufacturing or distribution of byproduct, source, or special nuclear material.

⁴ This amount refers to Category 1 licensees (as defined in 10 CFR 73.2). Licensed fuel fabricators not authorized to possess Category 1 material have a base penalty amount of \$50,000.

⁵ Includes industrial radiographers, nuclear pharmacies, and other industrial users.

⁶ This applies to nonprofit institutions not otherwise categorized under sections "a" through "g" in this table and mobile nuclear services.

TABLE 1 B—BASE CIVIL PENALTIES

Severity Level	Base Civil Penalty Amount
	(Percent of amount listed in Table 1A)
I.....	100
II.....	80
III.....	50
IV.....	15

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C. Orders

An order is a written NRC directive to modify, suspend, or revoke a license; to cease and desist from a given practice or activity; or to take such other action as may be proper (see 10 CFR 2.202). Orders may also be issued in lieu of, or in addition to, civil penalties, as appropriate for Severity Level I, II, or III violations. Orders may be issued as follows:

- (1) License Modification orders are issued when some change in licensee equipment, procedures, personnel, or management controls is necessary.
 - (2) Suspension Orders may be used:
 - (a) To remove a threat to the public health and safety, common defense and security, or the environment;
 - (b) To stop facility construction when:
 - (i) Further work could preclude or significantly hinder the identification or correction of an improperly constructed safety-related system or component; or
 - (ii) The licensee's quality assurance program implementation is not adequate to provide confidence that construction activities are being properly carried out;
 - (c) When the licensee has not responded adequately to other enforcement action;
 - (d) When the licensee interferes with the conduct of an inspection or investigation; or
 - (e) For any reason not mentioned above for which license revocation is legally authorized.
- Suspensions may apply to all or part of the licensed activity. Ordinarily, a licensed activity is not suspended (nor is a suspension prolonged) for failure to

comply with requirements where such failure is not willful and adequate corrective action has been taken.

- (3) Revocation Orders may be used:
 - (a) When a licensee is unable or unwilling to comply with NRC requirements;
 - (b) When a licensee refuses to correct a violation;
 - (c) When licensee does not respond to a Notice of Violation where a response was required;
 - (d) When a licensee refuses to pay an applicable fee under the Commission's regulations; or
 - (e) For any other reason for which revocation is authorized under section 186 of the Atomic Energy Act (e.g., any condition which would warrant refusal of a license on an original application).
 - (4) Cease and Desist Orders may be used to stop an unauthorized activity that has continued after notification by NRC that the activity is unauthorized.
 - (5) Orders to unlicensed persons, including vendors and contractors, and employees of any of them, are used when the NRC has identified deliberate misconduct that may cause a licensee to be in violation of an NRC requirement or where incomplete or inaccurate information is deliberately submitted or where the NRC loses its reasonable assurance that the licensee will meet NRC requirements with that person involved in licensed activities.
- Unless a separate response is warranted pursuant to 10 CFR 2.201, a Notice of Violation need not be issued where an order is based on violations described in the order. The violations described in an order need not be categorized by severity level.
- Orders are made effective immediately, without prior opportunity for hearing, whenever it is determined that the public health, interest, or safety so requires, or when the order is responding to a violation involving willfulness. Otherwise, a prior opportunity for a hearing on the order is afforded. For cases in which the NRC believes a basis could reasonably exist

for not taking the action as proposed, the licensee will ordinarily be afforded an opportunity to show why the order should not be issued in the proposed manner by way of a Demand for Information. (See 10 CFR 2.204)

D. Related Administrative Actions

In addition to the formal enforcement mechanisms of Notices of Violation, civil penalties, and orders, the NRC also uses administrative mechanisms, such as Notices of Deviation, Notices of Nonconformance, Confirmatory Action Letters, letters of reprimand, and Demands for Information to supplement its enforcement program. The NRC expects licensees and vendors to adhere to any obligations and commitments resulting from these processes and will not hesitate to issue appropriate orders to ensure that these obligations and commitments are met.

(1) Notices of Deviation are written notices describing a licensee's failure to satisfy a commitment where the commitment involved has not been made a legally binding requirement. A Notice of Deviation requests a licensee to provide a written explanation or statement describing corrective steps taken (or planned), the results achieved, and the date when corrective action will be completed.

(2) Notices of Nonconformance are written notices describing vendor's failures to meet commitments which have not been made legally binding requirements by NRC. An example is a commitment made in a procurement contract with a licensee as required by 10 CFR part 50, appendix B. Notices of Nonconformances request non-licensees to provide written explanations or statements describing corrective steps (taken or planned), the results achieved, the dates when corrective actions will be completed, and measures taken to preclude recurrence.

(3) Confirmatory Action Letters (CALs) are letters confirming a licensee's or vendor's agreement to take

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certain actions to remove significant concerns about health and safety, safeguards, or the environment.

(4) Letters of reprimand are letters addressed to individuals subject to Commission jurisdiction identifying a significant deficiency in their performance of licensed activities.

(5) Demands for Information are demands for information from licensees or other persons for the purpose of enabling NRC to determine whether an order or other enforcement action should be issued.

VII. Exercise of Discretion

Notwithstanding the normal guidance contained in this policy, the NRC may choose to exercise discretion and either escalate or mitigate enforcement sanctions within the Commission's statutory authority to ensure that the resulting enforcement action appropriately reflects the level of NRC concern regarding the violation at issue and conveys the appropriate message to the licensee.

A. Escalation of Enforcement Sanctions

The NRC considers violations categorized at Severity Level I, II, or III

to be of significant regulatory concern. If the application of the normal guidance in this policy does not provide an appropriate sanction, or if particularly serious violations occur, such as in cases involving willfulness, repeated poor performance in an area of concern, or serious breakdowns in management controls, the NRC may apply its full enforcement authority where the action is warranted. NRC action may include (1) escalating civil penalties, (2) issuing appropriate orders, and (3) assessing civil penalties for continuing violations on a per day basis, up to the statutory limit of \$100,000 per violation, per day.

(1) *Civil penalties.* Notwithstanding the outcome of the normal civil penalty assessment process (i.e., base civil penalty adjusted based on application of the civil penalty adjustment factors addressed in Section VI.B), with the approval of the appropriate Deputy Executive Director and consultation with the EDO as warranted, the NRC may exercise discretion by either proposing a civil penalty where application of the factors would otherwise result in zero penalty or by further escalating the amount of the

adjusted civil penalty to ensure that the proposed civil penalty reflects the NRC's concern regarding the violation at issue and that it conveys the appropriate message to the licensee. In addition to the approval of the appropriate Deputy Executive Director, consultation with the Commission is required if the deviation in the amount of the civil penalty proposed under this discretion from the amount of the civil penalty assessed under the normal process is more than two times the base civil penalty shown in Tables 1A and 1B.

(2) *Orders.* The NRC will, where necessary issue orders in conjunction with civil penalties to achieve or formalize corrective actions and to deter further recurrence of serious violations. Examples of enforcement actions that could be taken for similar Severity Level I, II, or III violations are set forth in Table 2. The actual progression to be used in a particular case will depend on the circumstances. Enforcement sanctions will normally escalate for recurring similar violations.

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TABLE 2.—EXAMPLES OF PROGRESSION OF ESCALATED ENFORCEMENT ACTIONS FOR SIMILAR VIOLATIONS IN THE SAME ACTIVITY AREA UNDER THE SAME LICENSE

Severity of Violation	Number of similar violations from the date of the last inspection or within the previous two years (whichever period is greater)		
	1st	2nd	3rd
I.....	a + c	a + b + c	d
II.....	a	a + b - c	a + b + c
III.....	a	a + c	- b

Notes:

- a. Civil penalty.
- b. Suspension of affected operations until the Office Director is satisfied that there is reasonable assurance that the licensee can operate in compliance with the applicable requirements, or modification of the license, as appropriate.
- c. Consider issuing an order for modification, suspension, or revocation of the license, as appropriate, through use of a Demand for Information.
- d. Further action, as appropriate.

(3) *Daily civil penalties.* In order to recognize the added technical safety significance or regulatory significance for those cases where a very strong message is warranted for a significant violation that continues for more than one day, the NRC may exercise discretion and assess a separate violation and attendant civil penalty up to the statutory limit of \$100,000 for each day the violation continues. The NRC may exercise this discretion if a licensee was aware or clearly should have been aware of a violation, or if the licensee had an opportunity to identify and correct the violation but failed to do so.

B. Mitigation of Enforcement Sanctions

Because the NRC wants to encourage and support licensee initiative for self identification and correction of problems, the NRC may exercise discretion and refrain from issuing a civil penalty and/or issuing a Notice of Violation under certain circumstances. In addition, while the NRC may exercise this discretion for violations meeting the required criteria where the licensee failed to make a required report to the NRC, a separate enforcement action will normally be issued for the licensee's failure to make a required report. The circumstances under which this discretion may be exercised are as follows:

(1) *Severity Level V Violations.* The NRC may refrain from issuing a Notice of Violation for a Severity Level V violation that is documented in an inspection report (or official field notes for some material cases) provided that the inspection report includes a brief description of the corrective action and that the violation meets all of the following criteria:

(a) It was not a violation that could reasonably be expected to have been prevented by the licensee's corrective action for a previous violation or a previous licensee finding that occurred within the past two years of the inspection at issue, or the period within the last two inspections, whichever is longer;

(b) It was or will be corrected within a reasonable time, by specific corrective action committed to by the licensee by the end of the inspection, including immediate corrective action and comprehensive corrective action to prevent recurrence;

(c) It was not a willful violation.

(2) *Licensee Identified Severity Level IV and V Violations.* The NRC may refrain from issuing a Notice of Violation for a Severity Level IV or V violation that is documented in an inspection report (or official field notes for some material cases) provided that the inspection report includes a brief description of the corrective action and that the violation meets all of the following criteria:

(a) It was identified by the licensee, including as a result of a self-disclosing event;

(b) It was not a violation that could reasonably be expected to have been prevented by the licensee's corrective action for a previous violation or a previous licensee finding that occurred within the past two years of the inspection at issue, or the period within the last two inspections, whichever is longer;

(c) It was or will be corrected within a reasonable time, by specific corrective action committed to by the licensee by the end of the inspection, including immediate corrective action and comprehensive corrective action to prevent recurrence;

(d) It was not a willful violation or if it was a willful violation;

(i) The information concerning the violation, if not required to be reported, was promptly provided to appropriate NRC personnel, such as a resident inspector or regional section or branch chief;

(ii) The violation involved the acts of a low level individual (and not a licensee official as defined in section IV.C);

(iii) The violation appears to be the isolated action of the employee without management involvement and the violation was not caused by lack of management oversight as evidenced by either a history of isolated willful violations or a lack of adequate audits or supervision of employees; and

(iv) Significant remedial action commensurate with the circumstances was taken by the licensee such that it demonstrated the seriousness of the violation to other employees and contractors, thereby creating a deterrent effect within the licensee's organization. While removal of the employee from licensed activities is not necessarily required, substantial disciplinary action is expected.

(3) *Violations Identified During Extended Shutdowns or Work Stoppages.* The NRC may refrain from issuing a Notice of Violation or a proposed civil penalty for a violation that is identified after (i) the NRC has taken significant enforcement action based upon a major safety event contributing to an extended shutdown of an operating reactor or a material licensee (or a work stoppage at a construction site), or (ii) the licensee enters an extended shutdown or work stoppage related to generally poor performance over a long period of time, provided that the violation is documented in an inspection report (or official field notes for some material cases) and that it meets all of the following criteria:

(a) It was either licensee identified as a result of a comprehensive program for problem identification and correction that was developed in response to the shutdown or identified as a result of an employee allegation to the licensee; (If the NRC identifies the violation and all of the other criteria are met, the NRC should determine whether enforcement action is necessary to achieve remedial action, or if discretion may still be appropriate.)

(b) It is based upon activities of the licensee prior to the events leading to the shutdown;

(c) It would not be categorized at a severity level higher than Severity Level II;

(d) It was not willful; and

(e) The licensee's decision to restart the plant requires NRC concurrence.

(4) *Violations Involving Old Design Issues.* The NRC may refrain from proposing a civil penalty for a Severity Level II or III violation involving a past problem, such as in engineering, design, or installation, provided that the violation is documented in an inspection report (or official field notes for some material cases) that includes a description of the corrective action and that it meets all of the following criteria:

(a) It was a licensee identified as a result of a licensee's voluntary formal initiative, such as a Safety System Functional Inspection, Design Reconstitution Program, or other program that has a defined scope and timetable and is being aggressively implemented;

(b) It was or will be corrected, including immediate corrective action and long term comprehensive corrective action to prevent recurrence, within a reasonable time following identification (this action should involve expanding the initiative, as necessary, to identify other failures caused by similar root causes); and

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(c) It was not likely to be identified (after the violation occurred) by routine licensee efforts such as normal surveillance or quality assurance (QA) activities.

In addition, the NRC may refrain from issuing a Notice of Violation for cases that meet the above criteria provided the violation was caused by conduct that is not reasonably linked to present performance (normally, violations that are at least three years old or violations occurring during plant construction) and there had not been prior notice so that the licensee should have reasonably identified the violation earlier. This exercise of discretion is to place a premium on licensees initiating efforts to identify and correct subtle violations that are not likely to be identified by routine efforts before degraded safety systems are called upon to work.

(5) Violations Identified Due to Previous Escalated Enforcement Action. The NRC may refrain from issuing a Notice of Violation or a proposed civil penalty for a violation that is identified after the NRC has taken escalated enforcement action for a Severity Level II or III violation, provided that the violation is documented in an inspection report (or official field notes for some material cases) that includes a description of the corrective action and that it meets all of the following criteria:

(a) It was a licensee identified as part of the corrective action for the previous escalated enforcement action;

(b) It has the same or similar root cause as the violation for which escalated enforcement action was issued;

(c) It does not substantially change the safety significance or the character of the regulatory concern arising out of the initial violation; and

(d) It was or will be corrected, including immediate corrective action and long term comprehensive corrective action to prevent recurrence, within a reasonable time following identification.

(6) Violations Involving Special Circumstances. Notwithstanding the outcome of the normal civil penalty assessment process (i.e., base civil penalty adjusted based on application of the civil penalty adjustment factors addressed in Section VI.B), as provided in Section III, "Responsibilities," the appropriate Deputy Executive Director may reduce or refrain from issuing a civil penalty or a Notice of Violation for a Severity Level II or III violation based on the merits of the case after considering the guidance in this statement of policy and such factors as the age of the violation, the safety significance of the violation, the overall

performance of the licensee, and other relevant circumstances, including any that may have changed since the violation, provided prior notice has been given the Commission. This discretion is expected to be exercised only where application of the normal guidance in the policy is unwarranted.

C. Exercise of Discretion for an Operating Facility

On occasion, circumstances may arise where a licensee's compliance with a Technical Specification (TS) Limiting Condition for Operation or with other license conditions would involve an unnecessary plant transient or performance of testing, inspection, or system realignment that is inappropriate with the specific plant conditions, or unnecessary delays in plant startup without a corresponding health and safety benefit. In these circumstances, the NRC staff may choose not to enforce the applicable TS or other license condition. This enforcement discretion will only be exercised if the NRC staff is clearly satisfied that the action is consistent with protecting the public health and safety. A licensee seeking the exercise of enforcement discretion must provide a written justification, or in circumstances where good cause is shown, oral justification followed as soon as possible by written justification, which documents the safety basis for the request and provides whatever other information the NRC staff deems necessary in making a decision on whether or not to exercise enforcement discretion.

The appropriate Regional Administrator, or his designee, may exercise discretion where the noncompliance is temporary and nonrecurring when an amendment is not practical. The Director, Office of Nuclear Reactor Regulation, or his designee, may exercise discretion if the expected noncompliance will occur during the brief period of time it requires the NRC staff to process an emergency or exigent license amendment under the provisions of 10 CFR 50.91(a)(5) or (6). The person exercising enforcement discretion will document the decision.

For an operating plant, this exercise of enforcement discretion is intended to minimize the potential safety consequences of unnecessary plant transients with the accompanying operational risks and impacts or to eliminate testing, inspection, or system realignment which is inappropriate for the particular plant conditions. For plants in a shutdown condition, exercising enforcement discretion is intended to reduce shutdown risk by, again, avoiding testing, inspection or system realignment which is inappropriate for the particular plant conditions, in that, it

does not provide a safety benefit or may, in fact, be detrimental to safety in the particular plant condition. Exercising enforcement discretion for plants attempting to startup is less likely than exercising it for an operating plant, as simply delaying startup does not usually leave the plant in a condition in which it could experience undesirable transients. In such cases, the Commission would expect that discretion would be exercised with respect to equipment or systems only when it has at least concluded that, notwithstanding the conditions of the license: (1) The equipment or system does not perform a safety function in the mode in which operation is to occur; (2) the safety function performed by the equipment or system is of only marginal safety benefit, provided remaining in the current mode increases the likelihood of an unnecessary plant transient; or (3) the TS or other license condition requires a test, inspection or system realignment that is inappropriate for the particular plant conditions, in that it does not provide a safety benefit, or may, in fact, be detrimental to safety in the particular plant condition.

The decision to exercise enforcement discretion does not change the fact that a violation will occur nor does it imply that enforcement discretion is being exercised for any violation that may have led to the violation at issue. In each case where the NRC staff has chosen to exercise enforcement discretion, enforcement action will normally be taken for the root causes, to the extent violations were involved, that led to the noncompliance for which enforcement discretion was used. The enforcement action is intended to emphasize that licensees should not rely on the NRC's authority to exercise enforcement discretion as a routine substitute for compliance or for requesting a license amendment.

Finally, it is expected that the NRC staff will exercise enforcement discretion in this area infrequently. Although a plant must shut down, refueling activities may be suspended, or plant startup may be delayed, absent the exercise of enforcement discretion, the NRC staff is under no obligation to take such a step merely because it has been requested. The decision to forego enforcement is discretionary. Where enforcement discretion is to be exercised, it is to be exercised only if the NRC staff is clearly satisfied that such action is warranted from a health and safety perspective.

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VIII. Enforcement Actions Involving Individuals

Enforcement actions involving individuals, including licensed operators, are significant personnel actions, which will be closely controlled and judiciously applied. An enforcement action involving an individual will normally be taken only when the NRC is satisfied that the individual fully understood, or should have understood, his or her responsibility; knew, or should have known, the required actions, and knowingly, or with careless disregard (i.e., with more than mere negligence) failed to take required actions which have actual or potential safety significance. Most transgressions of individuals at the level of Severity Level III, IV, or V violations will be handled by citing only the facility licensee.

More serious violations, including those involving the integrity of an individual (e.g., lying to the NRC) concerning matters within the scope of the individual's responsibilities, will be considered for enforcement action against the individual as well as against the facility licensee. Action against the individual, however, will not be taken if the improper action by the individual was caused by management failures. The following examples of situations illustrate this concept:

- Inadvertent individual mistakes resulting from inadequate training or guidance provided by the facility licensee.

- Inadvertently missing an insignificant procedural requirement when the action is routine, fairly uncomplicated, and there is no unusual circumstance indicating that the procedures should be referred to and followed step-by-step.

- Compliance with an express direction of management, such as the Shift Supervisor or Plant Manager, resulted in a violation unless the individual did not express his or her concern or objection to the direction.

- Individual error directly resulting from following the technical advice of an expert unless the advice was clearly unreasonable and the licensed individual should have recognized it as such.

- Violations resulting from inadequate procedures unless the individual used a faulty procedure knowing it was faulty and had not attempted to get the procedure corrected.

Listed below are examples of situations which could result in enforcement actions involving individuals, licensed or unlicensed. If the actions described in these examples are taken by a licensed operator or taken deliberately by an unlicensed individual, enforcement action may be taken directly against the individual. However, violations involving willful conduct not amounting to deliberate action by an unlicensed individual in these situations may result in enforcement action against a licensee that may impact an individual. The situations include, but are not limited to, violations that involve:

- Willfully causing a licensee to be in violation of NRC requirements.

- Willfully taking action that would have caused a licensee to be in violation of NRC requirements but the action did not do so because it was detected and corrective action was taken.

- Recognizing a violation of procedural requirements and willfully not taking corrective action.

- Willfully defeating alarms which have safety significance.

- Unauthorized abandoning of reactor controls.

- Dereliction of duty.
- Falsifying records required by NRC regulations or by the facility license.
- Willfully providing, or causing a licensee to provide, an NRC inspector-investigator with inaccurate or incomplete information on a matter material to the NRC.

- Willfully withholding safety significant information rather than making such information known to appropriate supervisory or technical personnel in the licensee's organization.

- Submitting false information and as a result gaining unescorted access to a nuclear power plant.

- Willfully providing false data to a licensee by a contractor or other person who provides test or other services, when the data affects the licensee's compliance with 10 CFR part 50, appendix B, or other regulatory requirement.

- Willfully providing false certification that components meet the requirements of their intended use, such as ASME Code.

- Willfully supplying, by vendors of equipment for transportation of radioactive material, casks that do not comply with their certificates of compliance.

- Willfully performing unauthorized bypassing of required reactor or other facility safety systems.

- Willfully taking actions that violate Technical Specification Limiting Conditions for Operation or other license conditions (enforcement action for a willful violation will not be taken if that violation is the result of action taken following the NRC's decision to forego enforcement of the Technical Specification or other license condition or if the operator meets the requirements of 10 CFR 50.54 (x), i.e., unless the operator acted unreasonably considering all the relevant circumstances surrounding the emergency.)

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In deciding whether to issue an enforcement action to an unlicensed person rather than to the licensee, the NRC recognizes that judgments will have to be made on a case by case basis. In making these decisions, the NRC will consider factors such as the following:

1. The level of the individual within the organization.
2. The individual's training and experience as well as knowledge of the potential consequences of the wrongdoing.
3. The safety consequences of the misconduct.
4. The benefit to the wrongdoer, e.g., personal or corporate gain.

5. The degree of supervision of the individual, i.e., how closely is the individual monitored or audited, and the likelihood of detection (such as a radiographer working independently in the field as contrasted with a team activity at a power plant).

6. The employer's response, e.g., disciplinary action taken.

7. The attitude of the wrongdoer, e.g., admission of wrongdoing, acceptance of responsibility.

8. The degree of management responsibility or culpability.

9. Who identified the misconduct.

Any proposed enforcement action involving individuals must be issued with the concurrence of the appropriate Deputy Executive Director. The Commission will be consulted prior to issuing a civil penalty or order to an unlicensed individual or a civil penalty to a licensed reactor operator. Prior notice will be given to the Commission on Notices of Violation without civil penalties that are issued to unlicensed individuals and enforcement actions taken against other unlicensed persons, such as corporations or partnerships. The particular sanction to be used should be determined on a case-by-case basis.⁸

Examples of sanctions that may be appropriate against individuals are:

- Issuance of a letter of reprimand.
- Issuance of a Notice of Violation, and

- Issuance of Orders.

Orders to NRC-licensed reactor operators may involve suspension for a specified period, modification, or revocation of their individual licenses. Orders to unlicensed individuals might include provisions that would:

- Prohibit involvement in NRC licensed activities for a specified period of time (normally the period of suspension would not exceed five years) or until certain conditions are satisfied, e.g., completing specified training or meeting certain qualifications.

- Require notification to the NRC before resuming work in licensed activities.

- Require the person to tell a prospective employer or customer engaged in licensed activities that the person has been subject to an NRC order.

In the case of a licensed operator's failure to meet applicable fitness-for-duty requirements (10 CFR 55.53(j)), the NRC may issue a Notice of Violation or a civil penalty to the Part 55 licensee, or an order to suspend, modify, or revoke the Part 55 license. These actions may be taken the first time a licensed operator fails a drug or alcohol test, that is, receives a confirmed positive test that exceeds the cutoff levels of 10 CFR part 26 or the facility licensee's cutoff levels, if lower. However, normally only a Notice of Violation will be issued for the first confirmed positive test in the absence of aggravating circumstances such as errors in the performance of licensee duties or evidence of prolonged use. In addition, the NRC intends to issue an order to suspend the Part 55 license for up to three years the second time a licensed operator exceeds those cutoff levels. In the event there are less than three years remaining in the term of the individual's license, the NRC may consider not renewing the individual's license or not issuing a new license after the three year period is completed. The NRC intends to issue an order to revoke the Part 55 license the third time a licensed operator exceeds those cutoff levels. A licensed operator or applicant who refuses to participate in the drug and alcohol testing programs established by the facility licensee or

⁸ Except for individuals subject to civil penalties under section 206 of the Energy Reorganization Act of 1974, as amended, NRC will not normally impose a civil penalty against an individual. However, section 234 of the Atomic Energy Act (AEA) gives the Commission authority to impose civil penalties on "any person." "Person" is broadly defined in Section 11s of the AEA to include individuals, a variety of organizations, and any representatives or agents. This gives the Commission authority to impose civil penalties on employees of licensees or on separate entities when a violation of a requirement directly imposed on them is committed.

who is involved in the sale, use, or possession of an illegal drug is also subject to license suspension, revocation, or denial.

In addition, the NRC may take enforcement action against a licensee that may impact an individual, where the conduct of the individual places in question the NRC's reasonable assurance that licensed activities will be properly conducted. The NRC may take enforcement action for reasons that would warrant refusal to issue a license on an original application. Accordingly, appropriate enforcement actions may be taken regarding matters that raise issues of integrity, competence, fitness for duty, or other matters that may not necessarily be a violation of specific Commission requirements.

In the case of an unlicensed person, whether a firm or an individual, an order modifying the facility license may be issued to require (1) the removal of the person from all licensed activities for a specified period of time or indefinitely, (2) prior notice to the NRC before utilizing the person in licensed activities, or (3) the licensee to provide notice of the issuance of such an order to other persons involved in licensed activities making reference inquiries. In addition, orders to employers might require retraining, additional oversight, or independent verification of activities performed by the person, if the person is to be involved in licensed activities.

IX. Inaccurate and Incomplete Information

A violation of the regulations involving submittal of incomplete and/or inaccurate information, whether or not considered a material false statement, can result in the full range of enforcement sanctions. The labeling of a communication failure as a material false statement will be made on a case-by-case basis and will be reserved for egregious violations. Violations involving inaccurate or incomplete information or the failure to provide significant information identified by a licensee normally will be categorized based on the guidance herein, in Section IV "Severity of Violations," and in Supplement VII.

The Commission recognizes that oral information may in some situations be inherently less reliable than written submittals because of the absence of an opportunity for reflection and management review. However, the Commission must be able to rely on oral communications from licensee officials concerning significant information. Therefore, in determining whether to take enforcement action for an oral statement, consideration may be given

to such factors as (1) the degree of knowledge that the communicator should have had, regarding the matter, in view of his or her position, training, and experience, (2) the opportunity and time available prior to the communication to assure the accuracy or completeness of the information, (3) the degree of intent or negligence, if any, involved, (4) the formality of the communication, (5) the reasonableness of NRC reliance on the information, (6) the importance of the information which was wrong or not provided, and (7) the reasonableness of the explanation for not providing complete and accurate information.

Absent at least careless disregard, an incomplete or inaccurate unsworn oral statement normally will not be subject to enforcement action unless it involves significant information provided by a licensee official. However, enforcement action may be taken for an unintentionally incomplete or inaccurate oral statement provided to the NRC by a licensee official or others on behalf of a licensee, if a record was made of the oral information and provided to the licensee thereby permitting an opportunity to correct the oral information, such as if a transcript of the communication or meeting summary containing the error was made available to the licensee and was not subsequently corrected in a timely manner.

When a licensee has corrected inaccurate or incomplete information, the decision to issue a Notice of Violation for the initial inaccurate or incomplete information normally will be dependent on the circumstances, including the ease of detection of the error, the timeliness of the correction, whether the NRC or the licensee identified the problem with the communication, and whether the NRC relied on the information prior to the correction. Generally, if the matter was promptly identified and corrected by the licensee prior to reliance by the NRC, or before the NRC raised a question about the information, no enforcement action will be taken for the initial inaccurate or incomplete information. On the other hand, if the misinformation is identified after the NRC relies on it, or after some question is raised regarding the accuracy of the information, then some enforcement action normally will be taken even if it is in fact corrected. However, if the initial submittal was accurate when made but later turns out to be erroneous because of newly discovered information or advance in technology, a citation normally would not be appropriate if, when the new

information became available or the advancement in technology was made, the initial submittal was corrected.

The failure to correct inaccurate or incomplete information which the licensee does not identify as significant normally will not constitute a separate violation. However, the circumstances surrounding the failure to correct may be considered relevant to the determination of enforcement action for the initial inaccurate or incomplete statement. For example, an unintentionally inaccurate or incomplete submission may be treated as a more severe matter if the licensee later determines that the initial submittal was in error and does not correct it or if there were clear opportunities to identify the error. If information not corrected was recognized by a licensee as significant, a separate citation may be made for the failure to provide significant information. In any event, in serious cases where the licensee's actions is not correcting or providing information raise questions about its commitment to safety or its fundamental trustworthiness, the Commission may exercise its authority to issue orders modifying, suspending, or revoking the license. The Commission recognizes that enforcement determinations must be made on a case-by-case basis, taking into consideration the issues described in this section

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X. Enforcement Action Against Non-Licensees

The Commission's enforcement policy is also applicable to non-licensees, including employees of licensees, to contractors and subcontractors, and to employees of contractors and subcontractors, who knowingly provide components, equipment, or other goods or services that relate to a licensee's activities subject to NRC regulation. The prohibitions and sanctions for any of these persons who engage in deliberate misconduct or submission of incomplete or inaccurate information are provided in the rule on deliberate misconduct, e.g., 10 CFR 30.10 and 50.5.

Vendors of products or services provided for use in nuclear activities are subject to certain requirements designed to ensure that the products or services supplied that could affect safety are of high quality. Through procurement contracts with reactor licensees, vendors may be required to have quality assurance programs that meet applicable requirements including 10 CFR part 50, appendix B, and 10 CFR part 71, subpart H. Vendors supplying products or services to reactor, materials, and 10 CFR part 71 licensees are subject to the requirements of 10 CFR part 21 regarding reporting of defects in basic components.

When inspections determine that violations of NRC requirements have occurred, or that vendors have failed to fulfill contractual commitments (e.g., 10 CFR part 50, appendix B) that could adversely affect the quality of a safety significant product or service, enforcement action will be taken. Notices of Violation and civil penalties will be used, as appropriate, for licensee failures to ensure that their vendors have programs that meet applicable requirements. Notices of Violation will be issued for vendors that violate 10 CFR part 21. Civil penalties will be imposed against individual directors or responsible officers of a vendor organization who knowingly and consciously fail to provide the notice required by 10 CFR 21.21(b)(1). Notices of Nonconformance will be used for vendors which fail to meet commitments related to NRC activities.

XI. Referrals to the Department of Justice

Alleged or suspected criminal violations of the Atomic Energy Act (and of other relevant Federal laws) are referred to the Department of Justice (DOJ) for investigation. Referral to the DOJ does not preclude the NRC from taking other enforcement action under this policy. However, enforcement actions will be coordinated with the DOJ in accordance with the Memorandum of Understanding between the NRC and the DOJ, 53 FR 50317 (December 14, 1988).

XII. Public Disclosure of Enforcement Actions

Enforcement actions and licensees' responses, in accordance with 10 CFR 2.790, are publicly available for inspection. In addition, press releases are generally issued for orders and civil penalties and are issued at the same time the order or proposed imposition of the civil penalty is issued. In addition, press releases are usually issued when a proposed civil penalty is withdrawn or substantially mitigated by some amount. Press releases are not normally issued for Notices of Violation that are not accompanied by orders or proposed civil penalties.

XIII. Reopening Closed Enforcement Actions

If significant new information is received or obtained by NRC which indicates that an enforcement sanction was incorrectly applied, consideration may be given, dependent on the circumstances, to reopening a closed enforcement action to increase or decrease the severity of a sanction or to correct the record. Reopening decisions will be made on a case-by-case basis, are expected to occur rarely, and require the specific approval of the appropriate Deputy Executive Director.

Supplement I—Reactor Operations

This supplement provides examples of violations in each of the five severity levels as guidance in determining the appropriate severity level for violations in the area of reactor operations.

A. Severity Level I—Violations involving for example:

1. A Safety Limit, as defined in 10 CFR 50.36 and the Technical Specifications being exceeded;

2. A system⁹ designed to prevent or mitigate a serious safety event not being able to perform its intended safety function¹⁰ when actually called upon to work;

3. An accidental criticality; or

4. A licensed operator at the controls of a nuclear reactor, or a senior operator directing licensed activities, involved in procedural errors which result in, or exacerbate the consequences of, an alert or higher level emergency and who, as a result of subsequent testing, receives a confirmed positive test result for drugs or alcohol.

B. Severity Level II—Violations involving for example:

1. A system designed to prevent or mitigate serious safety events not being able to perform its intended safety function;

2. A licensed operator involved in the use, sale, or possession of illegal drugs or the consumption of alcoholic beverages, within the protected area; or

3. A licensed operator at the control of a nuclear reactor, or a senior operator directing licensed activities, involved in procedural errors and who, as a result of subsequent testing, receives a confirmed positive test result for drugs or alcohol.

C. Severity Level III—Violations involving for example:

1. A significant failure to comply with the Action Statement for a Technical Specification Limiting Condition for Operation where the appropriate action was not taken within the required time, such as:

(a) In a pressurized water reactor, in the applicable modes, having one high-

⁹ The term "system" as used in these supplements, includes administrative and managerial control systems, as well as physical systems.

¹⁰ "Intended safety function" means the total safety function, and is not directed toward a loss of redundancy. A loss of one subsystem does not defeat the intended safety function as long as the other subsystem is operable.

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pressure safety injection pump inoperable for a period in excess of that allowed by the action statement; or

(b) In a boiling water reactor, one primary containment isolation valve inoperable for a period in excess of that allowed by the action statement.

2. A system designed to prevent or mitigate a serious safety event:

(a) Not being able to perform its intended function under certain conditions (e.g., safety system not operable unless offsite power is available; materials or components not environmentally qualified); or

(b) Being degraded to the extent that a detailed evaluation would be required to determine its operability (e.g., component parameters outside approved limits such as pump flow rates, heat exchanger transfer characteristics, safety valve lift setpoints, or valve stroke times);

3. Inattentiveness to duty on the part of licensed personnel;

4. Changes in reactor parameters that cause unanticipated reductions in margins of safety;

5. A significant failure to meet the requirements of 10 CFR 50.59, including a failure such that a required license amendment was not sought.

6. A licensee failure to conduct adequate oversight of vendors resulting in the use of products or services that are of defective or indeterminate quality and that have safety significance;

7. A breakdown in the control of licensed activities involving a number of violations that are related (or, if isolated, that are recurring violations) that collectively represent a potentially significant lack of attention or carelessness toward licensed responsibilities; or

8. A licensed operator's confirmed positive test for drugs or alcohol that does not result in a Severity Level I or II violation.

9. Equipment failures caused by inadequate or improper maintenance that substantially complicates recovery from a plant transient.

D. Severity Level IV—Violations involving for example:

1. A less significant failure to comply with the Action Statement for a Technical Specification Limiting Condition for Operation where the appropriate action was not taken within the required time, such as:

(a) In a pressurized water reactor, a 5% deficiency in the required volume of the condensate storage tank; or

(b) In a boiling water reactor, one subsystem of the two independent MSIV leakage control subsystems inoperable;

2. A failure to meet the requirements of 10 CFR 50.59 that does not result in a Severity Level I, II, or III violation;

3. A failure to meet regulatory requirements that have more than minor safety or environmental significance; or

4. A failure to make a required Licensee Event Report.

E. Severity Level V—Violations that have minor safety or environmental significance.

Supplement II—Part 50 Facility Construction

This supplement provides examples of violations in each of the five severity levels as guidance in determining the appropriate severity level for violations in the area of part 50 facility construction.

A. Severity Level I—Violations involving structures or systems that are completed¹¹ in such a manner that they would not have satisfied their intended safety related purpose.

B. Severity Level II—Violations involving for example:

1. A breakdown in the Quality Assurance (QA) program as exemplified by deficiencies in construction QA related to more than one work activity (e.g., structural, piping, electrical, foundations). These deficiencies normally involve the licensee's failure to conduct adequate audits or to take prompt corrective action on the basis of such audits and normally involve multiple examples of deficient construction or construction of unknown quality due to inadequate program implementation; or

2. A structure or system that is completed in such a manner that it could have an adverse effect on the safety of operations.

C. Severity Level III—Violations involving for example:

1. A deficiency in a licensee QA program for construction related to a single work activity (e.g., structural, piping, electrical or foundations). This significant deficiency normally involves the licensee's failure to conduct adequate audits or to take prompt corrective action on the basis of such audits, and normally involves multiple examples of deficient construction or construction of unknown quality due to inadequate program implementation;

2. A failure to confirm the design safety requirements of a structure or system as a result of inadequate preoperational test program implementation; or

¹¹ The term "completed" as used in this supplement means completion of construction including review and acceptance by the construction QA organization.

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3. A failure to make a required 10 CFR 50.55(e) report.

D. Severity Level IV—Violations involving failure to meet regulatory requirements including one or more Quality Assurance Criterion not amounting to Severity Level I, II, or III violations that have more than minor safety or environmental significance.

E. Severity Level V—Violations that have minor safety or environmental significance.

Supplement III—Safeguards

This supplement provides examples of violations in each of the five severity levels as guidance in determining the appropriate severity level for violations in the area of safeguards.

A. Severity Level I—Violations involving for example:

1. An act of radiological sabotage in which the security system did not function as required and, as a result of the failure, there was a significant event, such as:

(a) A Safety Limit, as defined in 10 CFR 50.36 and the Technical Specifications, was exceeded;

(b) A system designed to prevent or mitigate a serious safety event was not able to perform its intended safety function when actually called upon to work; or

(c) An accidental criticality occurred;

2. The theft, loss, or diversion of a formula quantity ¹² of special nuclear material (SNM); or

3. Actual unauthorized production of a formula quantity of SNM

B. Severity Level II—Violations involving for example:

1. The entry of an unauthorized individual ¹³ who represents a threat into a vital area ¹⁴ from outside the protected area; or

2. The theft, loss or diversion of SNM of moderate strategic significance ¹⁵ in which the security system did not function as required; or

3. Actual unauthorized production of SNM.

C. Severity Level III—Violations involving for example:

1. A failure or inability to control access through established systems or procedures, such that an unauthorized individual (i.e., not authorized unescorted access to protected area) could easily gain undetected access ¹⁶ into a vital area from outside the protected area;

2. A failure to conduct any search at the access control point or conducting an inadequate search that resulted in the introduction to the protected area of firearms, explosives, or incendiary devices and reasonable facsimiles thereof that could significantly assist radiological sabotage or theft of strategic SNM;

3. A failure, degradation, or other deficiency of the protected area intrusion detection or alarm assessment systems such that an unauthorized individual who represents a threat could predictably circumvent the system or defeat a specific zone with a high degree of confidence without insider knowledge, or other significant degradation of overall system capability;

4. A significant failure of the safeguards systems designed or used to prevent or detect the theft, loss, or diversion of strategic SNM;

5. A failure to protect or control classified or safeguards information considered to be significant while the information is outside the protected area and accessible to those not authorized access to the protected area;

6. A significant failure to respond to an event either in sufficient time to provide protection to vital equipment or strategic SNM, or with an adequate response force;

7. A failure to perform an appropriate evaluation or background investigation so that information relevant to the access determination was not obtained or considered and as a result a person, who would likely not have been granted access by the licensee, if the required investigation or evaluation had been performed, was granted access; or

8. A breakdown in the security program involving a number of violations that are related (or, if isolated, that are recurring violations) that collectively reflect a potentially significant lack of attention or carelessness toward licensed responsibilities.

D. Severity Level IV—Violations involving for example:

1. A failure or inability to control access such that an unauthorized individual (i.e., authorized to protected area but not to vital area) could easily gain undetected access into a vital area from inside the protected area or into a controlled access area;

2. A failure to respond to a suspected event in either a timely manner or with an adequate response force;

3. A failure to implement 10 CFR parts 25 and 95 with respect to the information addressed under section 142 of the Act, and the NRC approved security plan relevant to those parts;

4. A failure to make, maintain, or provide log entries in accordance with 10 CFR 73.71 (c) and (d), where the omitted information (i) is not otherwise available in easily retrievable records, and (ii) significantly contributes to the ability of either the NRC or the licensee to identify a programmatic breakdown;

5. A failure to conduct a proper search at the access control point;

6. A failure to properly secure or protect classified or safeguards information inside the protected area which could assist an individual in an act of radiological sabotage or theft of strategic SNM where the information was not removed from the protected area;

7. A failure to control access such that an opportunity exists that could allow unauthorized and undetected access into the protected area but which was neither easily or likely to be exploitable;

8. A failure to conduct an adequate search at the exit from a material access area;

9. A theft or loss of SNM of low strategic significance that was not detected within the time period specified in the security plan, other relevant document, or regulation; or

10. Other violations that have more than minor safeguards significance.

E. Severity Level V—Violations that have minor safeguards significance.

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¹² See 10 CFR 73.2 for the definition of "formula quantity."

¹³ The term "unauthorized individual" as used in this supplement means someone who was not authorized for entrance into the area in question, or not authorized to enter in the manner entered.

¹⁴ The phrase "vital area" as used in this supplement includes vital areas and material access areas.

¹⁵ See 10 CFR 73.2 for the definition of "special nuclear material of moderate strategic significance."

¹⁶ In determining whether access can be easily gained, factors such as predictability, identifiability, and ease of passage should be considered.

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Supplement IV—Health Physics (10 CFR Part 20)

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➤ This supplement provides examples of violations in each of the five severity levels as guidance in determining the appropriate severity level for violations in the area of health physics. 10 CFR part 20¹⁷

➤ Paragraphs A.–E.
[Reserved 58 FR 67657.]

Sections 20.1001—20.2401

F. Severity Level I—Violations involving for example:

1. A radiation exposure during any year of a worker in excess of 25 rems total effective dose equivalent, 75 rems to the lens of the eye, or 250 rads to the skin of the whole body, or to the feet, ankles, hands or forearms, or to any other organ or tissue;

2. A radiation exposure over the gestation period of the embryo/fetus of a declared pregnant woman in excess of 2.5 rems total effective dose equivalent;

3. A radiation exposure during any year of a minor in excess of 2.5 rems total effective dose equivalent, 7.5 rems to the lens of the eye, or 25 rems to the skin of the whole body, or to the feet, ankles, hands or forearms, or to any other organ or tissue;

4. An annual exposure of a member of the public in excess of 1.0 rem total effective dose equivalent;

5. A release of radioactive material to an unrestricted area at concentrations in excess of 50 times the limits for members of the public as described in 10 CFR 20.1302(b)(2)(i); or

6. Disposal of licensed material in quantities or concentrations in excess of 10 times the limits of 10 CFR 20.2003.

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G. Severity Level II—Violations involving for example:

1. A radiation exposure during any year of a worker in excess of 10 rems total effective dose equivalent, 30 rems to the lens of the eye, or 100 rems to the skin of the whole body, or to the feet, ankles, hands or forearms, or to any other organ or tissue;

2. A radiation exposure over the gestation period of the embryo/fetus of a declared pregnant woman in excess of 1.0 rem total effective dose equivalent;

¹⁷ Personnel overexposures and associated violations incurred during a life-saving or other emergency response effort will be treated on a case-by-case basis.

¹⁸ [Reserved 58 FR 67657.]

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3. A radiation exposure during any year of a minor in excess of 1 rem total effective dose equivalent; 3.0 rems to the lens of the eye, or 10 rems to the skin of the whole body, or to the feet, ankles, hands or forearms, or to any other organ or tissue;

4. An annual exposure of a member of the public in excess of 0.5 rem total effective dose equivalent;

5. A release of radioactive material to an unrestricted area at concentrations in excess of 10 times the limits for members of the public as described in 10 CFR 20.1302(b)(2)(i) (except when operation up to 0.5 rem a year has been approved by the Commission under § 20.1301(c));

6. Disposal of licensed material in quantities or concentrations in excess of five times the limits of 10 CFR 20.2003; or

7. A failure to make an immediate notification as required by 10 CFR 20.2202 (a)(1) or (a)(2).

H. Severity Level III—Violations involving for example:

1. A radiation exposure during any year of a worker in excess of 5 rems total effective dose equivalent, 15 rems to the lens of the eye, or 50 rems to the skin of the whole body or to the feet, ankles, hands or forearms, or to any other organ or tissue;

2. A radiation exposure over the gestation period of the embryo/fetus of a declared pregnant woman in excess of 0.5 rem total effective dose equivalent (except when doses are in accordance with the provisions of § 20.1208(d));

3. A radiation exposure during any year of a minor in excess of 0.5 rem total effective dose equivalent; 1.5 rems to the lens of the eye, or 5 rems to the skin of the whole body, or to the feet, ankles, hands or forearms, or to any other organ or tissue;

4. A worker exposure above regulatory limits when such exposure reflects a programmatic (rather than an isolated) weakness in the radiation control program;

5. An annual exposure of a member of the public in excess of 0.1 rem total effective dose equivalent (except when operation up to 0.5 rem a year has been approved by the Commission under § 20.1301(c));

6. A release of radioactive material to an unrestricted area at concentrations in excess of two times the effluent concentration limits referenced in 10 CFR 20.1302(b)(2)(i) (except when operation up to 0.5 rem a year has been approved by the Commission under § 20.1301(c));

7. A failure to make a 24-hour notification required by 10 CFR 20.2202(b) or an immediate notification required by 10 CFR 20.2201(a)(1)(i);

8. A substantial potential for exposures or releases in excess of the applicable limits in 10 CFR part 20 §§ 20.1001–20.2401 whether or not an exposure or release occurs;

9. Disposal of licensed material not covered in Severity Levels I or II;

10. A release for unrestricted use of contaminated or radioactive material or equipment that poses a realistic potential for exposure of the public to levels or doses exceeding the annual dose limits for members of the public, or that reflects a programmatic (rather than an isolated) weakness in the radiation control program;

11. Conduct of licensee activities by a technically unqualified person;

12. A significant failure to control licensed material; or

13. A breakdown in the radiation safety program involving a number of violations that are related (or, if isolated, that are recurring) that collectively represent a potentially significant lack of attention or carelessness toward licensed responsibilities.

I. Severity Level IV—Violations involving for example:

1. Exposures in excess of the limits of 10 CFR 20.1201, 20.1207, or 20.1208 not constituting Severity Level I, II, or III violations;

2. A release of radioactive material to an unrestricted area at concentrations in excess of the limits for members of the public as referenced in 10 CFR 20.1302(b)(2)(i) (except when operation up to 0.5 rem a year has been approved by the Commission under § 20.1301(c));

3. A radiation dose rate in an unrestricted or controlled area in excess of 0.002 rem in any 1 hour (2 millirem/hour) or 50 millirems in a year;

4. Failure to maintain and implement radiation programs to keep radiation exposures as low as is reasonably achievable;

5. Doses to a member of the public in excess of any EPA generally applicable environmental radiation standards, such as 40 CFR part 190;

6. A failure to make the 30-day notification required by 10 CFR 20.2201(a)(1)(ii) or 20.2203(a);

7. A failure to make a timely written report as required by 10 CFR 20.2201(b), 20.2204, or 20.2206; or

8. Any other matter that has more than a minor safety, health, or environmental significance.

J. Severity Level V—Violations that are of a minor safety, health, or environmental significance.

Supplement V—Transportation

This supplement provides examples of violations in each of the five severity levels as guidance in determining the appropriate severity level for violations in the area of NRC transportation requirements¹⁹.

A. Severity Level I—Violations involving for example:

1. Failure to meet transportation requirements that resulted in loss of control of radioactive material with a breach in package integrity such that the material caused a radiation exposure to a member of the public and there was clear potential for the public to receive more than .1 rem to the whole body;

2. Surface contamination in excess of 50 times the NRC limit; or

3. External radiation levels in excess of 10 times the NRC limit.

B. Severity Level II—Violations involving for example:

1. Failure to meet transportation requirements that resulted in loss of control of radioactive material with a breach in package integrity such that there was a clear potential for the member of the public to receive more than .1 rem to the whole body;

2. Surface contamination in excess of 10, but not more than 50 times the NRC limit;

3. External radiation levels in excess of five, but not more than 10 times the NRC limit; or

¹⁹ Some transportation requirements are applied to more than one licensee involved in the same activity such as a shipper and a carrier. When a violation of such a requirement occurs, enforcement action will be directed against the responsible licensee which, under the circumstances of the case, may be one or more of the licensees involved.

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4. A failure to make required initial notifications associated with Severity Level I or II violations.

C. Severity Level III—Violations involving for example:

1. Surface contamination in excess of five but not more than 10 times the NRC limit;

2. External radiation in excess of one but not more than five times the NRC limit;

3. Any noncompliance with labeling, placarding, shipping paper, packaging, loading, or other requirements that could reasonably result in the following:

(a) A significant failure to identify the type, quantity, or form of material;

(b) A failure of the carrier or recipient to exercise adequate controls; or

(c) A substantial potential for either personnel exposure or contamination above regulatory limits or improper transfer of material;

4. A failure to make required initial notification associated with Severity Level III violations; or

5. A breakdown in the licensee's program for the transportation of licensed material involving a number of violations that are related (or, if isolated, that are recurring violations) that collectively reflect a potentially significant lack of attention or carelessness toward licensed responsibilities.

D. Severity Level IV—Violations involving for example:

1. A breach of package integrity without external radiation levels exceeding the NRC limit or without contamination levels exceeding five times the NRC limits;

2. Surface contamination in excess of but not more than five times the NRC limit;

3. A failure to register as an authorized user of an NRC-Certified Transport package;

4. A noncompliance with shipping papers, marking, labeling, placarding, packaging or loading not amounting to a Severity Level I, II, or III violation;

5. A failure to demonstrate that packages for special form radioactive material meets applicable regulatory requirements;

6. A failure to demonstrate that packages meet DOT Specifications for 7A Type A packages; or

7. Other violations that have more than minor safety or environmental significance.

E. Severity Level V—Violations that have minor safety or environmental significance.

Supplement VI—Fuel Cycle and Materials Operations

This supplement provides examples of violations in each of the five severity levels as guidance in determining the appropriate severity level for violations in the area of fuel cycle and materials operations.

A. Severity Level I—Violations involving for example:

1. Radiation levels, contamination levels, or releases that exceed 10 times the limits specified in the license;

2. A system designed to prevent or mitigate a serious safety event not being operable when actually required to perform its design function;

3. A nuclear criticality accident; or

4. A failure to follow the procedures of the quality management program, required by § 35.32, that results in a death or serious injury (e.g., substantial organ impairment) to a patient.

B. Severity Level II—Violations involving for example:

1. Radiation levels, contamination levels, or releases that exceed five times the limits specified in the license;

2. A system designed to prevent or mitigate a serious safety event being inoperable; or

3. A substantial programmatic failure in the implementation of the quality management program required by 10 CFR 35.32 that results in a misadministration.

C. Severity Level III—Violations involving for example:

1. A failure to control access to licensed materials for radiation purposes as specified by NRC requirements;

2. Possession or use of unauthorized equipment or materials in the conduct of licensee activities which degrades safety;

3. Use of radioactive material on humans where such use is not authorized;

4. Conduct of licensed activities by a technically unqualified person;

5. Radiation levels, contamination levels, or releases that exceed the limits specified in the license;

6. Substantial failure to implement the quality management program as required by § 35.32 that does not result in a misadministration; failure to report a misadministration; or programmatic weakness in the implementation of the quality management program that results in a misadministration.

7. A breakdown in the control of licensed activities involving a number of violations that are related (or, if isolated, that are recurring violations) that collectively represent a potentially significant lack of attention or carelessness toward licensed responsibilities;

8. A failure, during radiographic operations, to have present or to use radiographic equipment, radiation survey instruments, and/or personnel monitoring devices as required by 10 CFR part 34;

9. A failure to submit an NRC Form 241 in accordance with the requirements in § 150.20 of 10 CFR part 150;

10. A failure to receive required NRC approval prior to the implementation of a change in licensed activities that has radiological or programmatic significance, such as, a change in ownership; lack of an RSO or replacement of an RSO with an unqualified individual; a change in the location where licensed activities are being conducted, or where licensed material is being stored where the new facilities do not meet safety guidelines; or a change in the quantity or type of radioactive material being processed or used that has radiological significance; or

11. A significant failure to meet decommissioning requirements including a failure to notify the NRC as required by regulation or license condition, substantial failure to meet decommissioning standards, failure to conduct and/or complete decommissioning activities in accordance with regulation or license condition, or failure to meet required schedules without adequate justification.

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D. Severity Level IV—Violations involving for example:

1. A failure to maintain patients hospitalized who have cobalt-60, cesium-137, or iridium-192 implants or to conduct required leakage or contamination tests, or to use properly calibrated equipment;

2. Other violations that have more than minor safety or environmental significance; or

3. Failure to follow the quality management program, including procedures, whether or not a misadministration occurs, provided the failures are isolated, do not demonstrate a programmatic weakness in the implementation of the QM program, and have limited consequences if a misadministration is involved; failure to conduct the required program review; or failure to take corrective actions as required by § 35.32; or

4. A failure to keep the records required by §§ 35.32 or 35.33.

E. Severity Level V—Violations that have minor safety or environmental significance.

Supplement VII—Miscellaneous Matters

This supplement provides examples of violations in each of the five severity levels as guidance in determining the appropriate severity level for violations involving miscellaneous matters.

A. Severity Level I—Violations involving for example:

1. Inaccurate or incomplete information ²⁰ that is provided to the NRC (a) deliberately with the knowledge of a licensee official that the information is incomplete or inaccurate, or (b) if the information, had it been complete and accurate at the time provided, likely would have resulted in regulatory action such as an immediate order required by the public health and safety.

2. Incomplete or inaccurate information that the NRC requires be kept by a licensee that is (a) incomplete or inaccurate because of falsification by or with the knowledge of a licensee official, or (b) if the information, had it been complete and accurate when reviewed by the NRC, likely would have resulted in regulatory action such as an immediate order required by public health and safety considerations;

3. Information that the licensee has identified as having significant implications for public health and safety or the common defense and security ("significant information identified by a licensee") and is deliberately withheld from the Commission;

4. Action by senior corporate management in violation of 10 CFR 50.7 or similar regulations against an employee;

5. A knowing and intentional failure to provide the notice required by 10 CFR part 21; or

6. A failure to substantially implement the required fitness-for-duty program.²¹

B. Severity Level II—Violations involving for example:

1. Inaccurate or incomplete information that is provided to the NRC (a) by a licensee official because of careless disregard for the completeness or accuracy of the information, or (b) if the information, had it been complete and accurate at the time provided, likely would have resulted in regulatory action such as a show cause order or a different regulatory position;

2. Incomplete or inaccurate information that the NRC requires be kept by a licensee which is (a) incomplete or inaccurate because of careless disregard for the accuracy of the information on the part of a licensee official, or (b) if the information, had it been complete and accurate when reviewed by the NRC, likely would have resulted in regulatory action such as a show cause order or a different regulatory position;

3. "Significant information identified by a licensee" and not provided to the Commission because of careless disregard on the part of a licensee official;

4. An action by plant management above first-line supervision in violation of 10 CFR 50.7 or similar regulations against an employee;

5. A failure to provide the notice required by 10 CFR part 21;

6. A failure to remove an individual from unescorted access who has been involved in the sale, use, or possession of illegal drugs within the protected area or take action for on duty misuse of alcohol, prescription drugs, or over-the-counter drugs;

7. A failure to take reasonable action when observed behavior within the protected area or credible information concerning activities within the protected area indicates possible unfitness for duty based on drug or alcohol use; or

8. A deliberate failure of the licensee's Employee Assistance Program (EAP) to notify licensee's management when EAP's staff is aware that an individual's condition may adversely affect safety related activities.

²⁰ In applying the examples in this supplement regarding inaccurate or incomplete information and records, reference should also be made to the guidance in Section IX, "Inaccurate and Incomplete Information," and to the definition of "licensee official" contained in Section IV.C.

²¹ The example for violations for fitness-for-duty relate to violations of 10 CFR part 26.

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C. Severity Level III—Violations involving for example:

1. Incomplete or inaccurate information that is provided to the NRC (a) because of inadequate actions on the part of licensee officials but not amounting to a Severity Level I or II violation, or (b) if the information, had it been complete and accurate at the time provided, likely would have resulted in a reconsideration of a regulatory position or substantial further inquiry such as an additional inspection or a formal request for information;
2. Incomplete or inaccurate information that the NRC requires be kept by a licensee that is (a) incomplete or inaccurate because of inadequate actions on the part of licensee officials but not amounting to a Severity Level I or II violation, or (b) if the information, had it been complete and accurate when reviewed by the NRC, likely would have resulted in a reconsideration of a regulatory position or substantial further inquiry such as an additional inspection or a formal request for information;
3. A failure to provide "significant information identified by a licensee" to the Commission and not amounting to a Severity Level I or II violation;
4. An action by first-line supervision in violation of 10 CFR 50.7 or similar regulations against an employee;
5. An inadequate review or failure to review such that, if an appropriate review had been made as required, a 10 CFR part 21 report would have been made;
6. A failure to complete a suitable inquiry on the basis of 10 CFR part 26, keep records concerning the denial of access, or respond to inquiries concerning denials of access so that, as a result of the failure, a person previously denied access for fitness-for-duty reasons was improperly granted access;
7. A failure to take the required action for a person confirmed to have been tested positive for illegal drug use or take action for onsite alcohol use; not amounting to a Severity Level II violation;
8. A failure to assure, as required, that contractors or vendors have an effective fitness-for-duty program; or
9. A breakdown in the fitness-for-duty program involving a number of violations of the basic elements of the fitness-for-duty program that collectively reflect a significant lack of attention or carelessness towards meeting the objectives of 10 CFR 26.10.

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D. Severity Level IV—Violations involving for example:

1. Incomplete or inaccurate information of more than minor significance that is provided to the NRC but not amounting to a Severity Level I, II, or III violation;
 2. Information that the NRC requires be kept by a licensee and that is incomplete or inaccurate and of more than minor significance but not amounting to a Severity Level I, II, or III violation;
 3. An inadequate review or failure to review under 10 CFR part 21 or other procedural violations associated with 10 CFR part 21 with more than minor safety significance;
 4. Isolated failures to meet basic elements of the fitness-for-duty program not involving a Severity Level I, II, or III violation; or
 5. A failure to report acts of licensed operators or supervisors pursuant to 10 CFR 26.73.
- E. Severity Level V—Violations involving for example:*
1. Incomplete or inaccurate information that is provided to the Commission and the incompleteness or inaccuracy is of minor significance;
 2. Information that the NRC requires be kept by a licensee that is incomplete or inaccurate and the incompleteness or inaccuracy is of minor significance;
 3. Minor procedural requirements of 10 CFR part 21; or
 4. Minor violations of fitness-for-duty requirements.

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Supplement VIII—Emergency Preparedness

This supplement provides examples of violations in each of the five severity levels as guidance in determining the appropriate severity level for violations in the area of emergency preparedness. It should be noted that citations are not normally made for violations involving emergency preparedness occurring during emergency exercises. However, where exercises reveal (i) training, procedural, or repetitive failures for which corrective actions have not been taken, (ii) an overall concern regarding the licensee's ability to implement its plan in a manner that adequately protects public health and safety, or (iii) poor self critiques of the licensee's exercises, enforcement action may be appropriate.

A. Severity Level I—Violations involving for example:

In a general emergency, licensee failure to promptly (1) correctly classify the event, (2) make required notifications to responsible Federal, State, and local agencies, or (3) respond to the event (e.g., assess actual or potential offsite consequences, activate emergency response facilities, and augment shift staff.)

B. Severity Level II—Violations involving for example:

In a site emergency, licensee failure to promptly (1) correctly classify the event, (2) make required notifications to responsible Federal, State, and local agencies, or (3) respond to the event (e.g., assess actual or potential offsite consequences, activate emergency response facilities, and augment shift staff); or

2. A licensee failure to meet or implement one emergency planning standard involving assessment or notification; or

C. Severity Level III—Violations involving for example:

In an alert, licensee failure to promptly (1) correctly classify the event, (2) make required notifications to responsible Federal, State, and local agencies, or (3) respond to the event (e.g., assess actual or potential offsite consequences, activate emergency response facilities, and augment shift staff);

2. A licensee failure to meet or implement more than one emergency planning standard involving assessment or notification.

3. A breakdown in the control of licensed activities involving a number of violations that are related (or, if isolated, that are recurring violations) that collectively represent a potentially significant lack of attention or carelessness toward licensed responsibilities.

D. Severity Level IV—Violations involving for example:

A licensee failure to meet or implement any emergency planning standard or requirement not directly related to assessment and notification.

E. Severity Level V—Violations that have minor safety or environmental significance.

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Appendix D to Part 2—Schedule for the Proceeding on Application for a License To Receive and Process High-Level Radioactive Waste at a Geologic Repository Operations Area

Day	Regulation (10 CFR)	Action
0	2.101(f),(8), 2.105(a)(5)	Federal Register Notice of Hearing.
30	2.1014(a)(1) 2.715(c)	Petition to intervene/request for hearing, w/contentions. Petition for status as interested government participant & interested government participant petitions.
50	2.1014(b)	Answers to intervention & interested government participant petitions.
70	2.1021	1st Prehearing Conference.
100		1st Prehearing Conference Order; identifies participants in proceeding, admits contentions, and sets discovery and other schedules.
	2.1018(b)(1), 2.1019	Deposition discovery begins.
110	2.1015(b)	Appeals from 1st Prehearing Conference Order, w/briefs.
120	2.1015(b)	Briefs in opposition to appeals.
150		Commission order ruling on appeals from 1st Prehearing Conference Order.
548		NRC staff issues SER.
578	2.1022	2nd Prehearing Conference.
608		2nd Prehearing Conference Order; finalizes issues for hearing and sets schedule for pre-filed testimony and hearing.
618	2.1015(b)	Appeals from 2nd Prehearing Conference Order, w/briefs.
628	2.1015(b)	Briefs in opposition to appeals.
658		Commission order ruling on appeals from 2nd Prehearing Conference Order.
660		Last practicable date for motions for summary disposition.
680		Replies to last practicable motions for summary disposition.
690	Supp. info	Discovery complete
700		Presiding Officer order on last practicable motions for summary disposition.
710	2.1015(b)	Appeals from last practicable summary disposition order w/briefs.
720		Evidentiary hearing begins.
	2.1015(b)	Briefs in opposition to appeals from last practicable summary disposition orders.
810		Evidentiary hearing ends.
840	2.754(a)(1)	Applicant's proposed findings.
850	2.754(a)(2)	Other parties' (except NRC staff's) proposed findings.
860	2.754(a)(2)	NRC staff's proposed findings.
865	2.754(a)(3)	Applicant's reply to proposed findings.
955	2.760	Initial Decision.
965	2.788(a), 2.762(a), 2.1015(c)	Stay motions to Commission Notices of Appeals.
975	2.788(d)	Replies to stay motions
995		Commission ruling on stay motion.
	2.762(b)	Appellant's briefs
1005	2.788(a)	Stay motions to Commission.
1015	2.788(d)	Replies to stay motions.
1025	2.762(c)	Appellee's brief
1035	2.762(c)	NRC staff brief
1055	2.1023 Supp. info	Completion of NMSS and Commission supervisory review; Commission ruling on any stay motions; issuance of construction authorization; NINFA 3-year period tolled.
1065	2.763	Oral argument on appeals.
1125		Commission decision.

56 FR 14151

UNITED STATES NUCLEAR REGULATORY COMMISSION

RULES and REGULATIONS

TITLE 10, CHAPTER 1, CODE OF FEDERAL REGULATIONS—ENERGY

**PART
51**

**ENVIRONMENTAL PROTECTION REGULATIONS FOR
DOMESTIC LICENSING AND RELATED
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Authority: Sec. 161, 68 Stat. 948, as amended, sec. 1701, 106 Stat. 2951, 2952, 2953, (42 U.S.C. 2201, 2297f); secs. 201, as amended, 202, 88 Stat. 1242, as amended, 1244 (42 U.S.C. 5841, 5842).

59 FR 48944

§ 51.1 Scope.

This part contains environmental protection regulations applicable to NRC's domestic licensing and related regulatory functions. These regulations do not apply to export licensing matters within the scope of Part 110 of this chapter or to any environmental effects which NRC's domestic licensing and related regulatory functions may have upon the environment of foreign nations. Subject to these limitations, the regulations in this part implement:

(a) Section 102(2) of the National Environmental Policy Act of 1969, as amended.

(b) [Reserved].

§ 51.2 Subparts.

(a) The regulations in Subpart A of this part implement section 102(2) of the National Environmental Policy Act of 1969, as amended.

(b) [Reserved].

§ 51.3 Resolution of conflict.

In any conflict between a general rule in Subpart A of this part and a special rule in another subpart of this part or another part of this chapter applicable to a particular type of proceeding, the special rule governs.

§ 51.4 Definitions.

As used in this part:

"Act" means the Atomic Energy Act of 1954 (Pub. L. 83-703, 68 Stat. 919) including any amendments thereto.

"Commission" means the Nuclear Regulatory Commission or its authorized representatives.

"NRC" means the Nuclear Regulatory Commission, the agency established by Title II of the Energy Reorganization Act of 1974, as amended.

"NRC staff" means any NRC officer or employee or his/her authorized representative, except a Commissioner, a member of a Commissioner's immediate staff, an Atomic Safety and Licensing Board, an Atomic Safety and Licensing Appeal Board, a presiding officer, an administrative judge, an administrative law judge, or any other officer or employee of the Commission who performs adjudicatory functions.

"NRC staff director" means:

Executive Director for Operations;
Director, Office of Nuclear Reactor

Regulation;
Director, Office of Nuclear Material Safety and Safeguards;

Director, Office of Nuclear Regulatory

Research;

Director, Office of Governmental and Public Affairs and

The designee of any NRC staff director.

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51.4a [removed] 49 FR 24512

§ 51.5 Interpretations.

Except as specifically authorized by the Commission in writing, no interpretation of the regulations in this part by any officer or employee of the Commission other than a written interpretation by the General Counsel will be recognized to be binding upon the Commission.

§ 51.6 Specific exemptions.

The Commission may, upon application of any interested person or upon its own initiative, grant such exemptions from the requirements of the regulations in this part as it determines are authorized by law and are otherwise in the public interest.

Subpart A—National Environmental Policy Act—Regulations Implementing Section 102(2)

§ 51.10 Purpose and scope of subpart; Application of regulations of Council on Environmental Quality.

(a) The National Environmental Policy Act of 1969, as amended (NEPA) directs that, to the fullest extent possible: (1) The policies, regulations, and public laws of the United States shall be interpreted and administered in accordance with the policies set forth in NEPA, and (2) all agencies of the Federal Government shall comply with the procedures in section 102(2) of NEPA except where compliance would be inconsistent with other statutory requirements. The regulations in this subpart implement section 102(2) of NEPA in a manner which is consistent with the NRC's domestic licensing and related regulatory authority under the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974, as amended, and the Uranium Mill Tailings Radiation Control Act of 1978, and which reflects the Commission's announced policy to take account of the regulations of the Council on Environmental Quality published November 29, 1978 (43 FR 55978-56007) voluntarily, subject to certain

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conditions. This subpart does not apply to export licensing matters within the scope of Part 110 of this chapter nor does it apply to any environmental effects which NRC's domestic licensing and related regulatory functions may have upon the environment of foreign nations.

(b) The Commission recognizes a continuing obligation to conduct its domestic licensing and related regulatory functions in a manner which is both receptive to environmental concerns and consistent with the Commission's responsibility as an independent regulatory agency for protecting the radiological health and safety of the public. Accordingly, the Commission will:

(1) Examine any future interpretation or change to the Council's NEPA regulations;

(2) Follow the provisions of 40 CFR 1501.5 and 1501.6 relating to lead agencies and cooperating agencies, except that the Commission reserves the right to prepare an independent environmental impact statement whenever the NRC has regulatory jurisdiction over an activity even though the NRC has not been designated as lead agency for preparation of the statement; and

(3) Reserve the right to make a final decision on any matter within the NRC's regulatory authority even though another agency has made a predecisional referral of an NRC action to the Council under the procedures of 40 CFR Part 1504.

(c) The regulations in this subpart¹ also address the limitations assigned on NRC's authority and responsibility under the National Environmental Policy Act of 1969, as amended, by the Federal Water Pollution Control Act Amendments of 1972, Pub. L. 92-500, 86 Stat. 816 et seq. (33 U.S.C. 1251 et seq.) In accordance with section 511(c)(2) of the Federal Water Pollution Control Act (86 Stat. 893, 33 U.S.C. 1371(c)(2)) the NRC recognizes that responsibility for Federal regulation of nonradiological pollutant discharges² into receiving waters rests by statute with the Environmental Protection Agency.

¹See also Second Memorandum of Understanding Regarding Implementation of Certain NRC and EPA Responsibilities and Policy Statement on Implementation of Section 511 of the Federal Water Pollution Control Act (FWPCA) attached as Appendix A thereto, which were published in the Federal Register on December 31, 1975 (40 FR 80115) and became effective January 30, 1976.

²On June 1, 1976, the U.S. Supreme Court held that "pollutants" subject to regulation under the FWPCA [Federal Water Pollution Control Act] do not include source, byproduct, and special nuclear materials. . . . *Train v. Colorado PIRG*, 428 U.S. 1 at 25.

54FR43576

(d) Commission actions initiating or relating to administrative or judicial civil or criminal enforcement actions or proceedings are not subject to section 102(2) of NEPA. These actions include issuance of notices, orders, and denials of requests for action pursuant to subpart B of part 2 of this chapter, matters covered by part 15 and part 160 of this chapter, and any other matters covered by Appendix C to part 2 of this chapter.

§ 51.11 Relationship to other subparts. [Reserved]

§ 51.12 Application of subpart to ongoing environmental work.

(a) Except as otherwise provided in this section, the regulations in this subpart shall apply to the fullest extent practicable to NRC's ongoing environmental work.

(b) No environmental report or any supplement to an environmental report filed with the NRC and no environmental assessment, environmental impact statement or finding of no significant impact or any supplement to any of the foregoing issued by the NRC before June 7, 1984, need be redone and no notice of intent to prepare an environmental impact statement or notice of availability of these environmental documents need be republished solely by reason of the promulgation on March 12, 1984, of this revision of Part 51.

§ 51.13 Emergencies.

Whenever emergency circumstances make it necessary and whenever, in other situations, the health and safety of the public may be adversely affected if mitigative or remedial actions are delayed, the Commission may take an action with significant environmental impact without observing the provisions of these regulations. In taking an action covered by this section, the Commission will consult with the Council as soon as feasible concerning appropriate alternative NEPA arrangements.

§ 51.14 Definitions.

(a) As used in this subpart: "Categorical Exclusion" means a category of actions which do not individually or cumulatively have a significant effect on the human environment and which the Commission has found to have no such effect in accordance with procedures set out in § 51.22, and for which, therefore, neither an environmental assessment nor an environmental impact statement is required.

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"Cooperating Agency" means any Federal agency other than the NRC which has jurisdiction by law or special expertise with respect to any environmental impact involved in a proposal (or a reasonable alternative) for legislation or other major Federal action significantly affecting the quality of the human environment. By agreement with the Commission, a State or local agency of similar qualifications or, when the effects are on a reservation, an Indian Tribe, may become a cooperating agency.

"Council" means the Council on Environmental Quality (CEQ) established by Title II of NEPA.

"DOE" means the U.S. Department of Energy or its duly authorized representatives.

"Environmental Assessment" means a concise public document for which the Commission is responsible that serves to:

(1) Briefly provide sufficient evidence and analysis for determining whether to prepare an environmental impact statement or a finding of no significant impact.

(2) Aid the Commission's compliance with NEPA when no environmental impact statement is necessary.

(3) Facilitate preparation of an environmental impact statement when one is necessary.

"Environmental document" includes an environmental assessment, an environmental impact statement, a finding of no significant impact, an environmental report and any supplements to or comments upon those documents, and a notice of intent.

"Environmental Impact Statement" means a detailed written statement as required by section 102(2)(C) of NEPA.

"Environmental report" means a document submitted to the Commission by an applicant for a permit, license, or other form of permission, or an amendment to or renewal of a permit, license or other form of permission, or by a petitioner for rulemaking, in order to aid the Commission in complying with section 102(2) of NEPA.

"Finding of No Significant Impact" means a concise public document for which the Commission is responsible that briefly states the reasons why an action, not otherwise excluded, will not have a significant effect on the human environment and for which therefore an environmental impact statement will not be prepared.

"NEPA" means the National Environmental Policy Act of 1969, as amended (Pub. L. 91-190, 83 Stat. 852, 856, as amended by Pub. L. 94-83, 89 Stat. 424, 42 U.S.C. 4321, et seq.).

"Notice of Intent" means a notice that an environmental impact statement will be prepared and considered.

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Uranium enrichment facility means:

- (1) Any facility used for separating the isotopes for uranium or enriching uranium in the isotope 235, except laboratory scale facilities designed or used for experimental or analytical purposes only; or
- (2) Any equipment or device, or important component part especially designed for such equipment or device, capable of separating the isotopes of uranium or enriching uranium in the isotope 235.

(b) The definitions in 40 CFR 1508.3, 1508.7, 1508.8, 1508.14, 1508.15, 1508.16, 1508.17, 1508.18, 1508.20, 1508.23, 1508.25, 1508.26, and 1508.27, will also be used in implementing section 102(2) of NEPA.

§ 51.15 Time schedules.

Consistent with the purposes of NEPA, the Administrative Procedure Act, the Commission's rules of practice in Part 2 of this chapter, §§ 51.100 and 51.101, and with other essential considerations of national policy:

(a) The appropriate NRC staff director may, and upon the request of an applicant for a proposed action or a petitioner for rulemaking shall, establish a time schedule for all or any constituent part of the NRC staff NEPA process. To the maximum extent practicable, the NRC staff will conduct its NEPA review in accordance with any time schedule established under this section.

(b) Pursuant to Subpart G of Part 2 of this chapter, the presiding officer or the Commissioners acting as a collegial body may establish a time schedule for all or any part of an adjudicatory or rulemaking proceeding to the extent that each has jurisdiction.

§ 51.16 Proprietary information.

(a) Proprietary information, such as trade secrets or privileged or confidential commercial or financial information, will be treated in accordance with the procedures provided in § 2.790. "Public Inspections, Exemptions, Requests for Withholding," of Part 2, "Rules of Practice," of this chapter.

(b) Any proprietary information which a person seeks to have withheld from public disclosure shall be submitted in accordance with § 2.790 of this chapter. When submitted, the proprietary information should be clearly identified and accompanied by a request, containing detailed reasons and justifications, that the proprietary information be withheld from public disclosure. A non-proprietary summary describing the general content of the proprietary information should also be provided.

§ 51.17 Information collection requirements; OMB approval.

(a) The Nuclear Regulatory Commission has submitted the information collection requirements contained in this part to the Office of Management and Budget (OMB) for approval as required by the Paperwork Reduction Act of 1980 (42 U.S.C. 3501 et seq.). OMB has approved the information collection requirements contained in this part under control number 3150-0021.

(b) The approved information collection requirements in this part appear in §§ 51.18, 51.41, 51.45, 51.50, 51.51, 51.52, 51.53, 51.54, 51.55, 51.60, 51.61, 51.62, 51.66, 51.68, and 51.69.

Preliminary Procedures

Classification of Licensing and Regulatory Actions

§ 51.20 Criteria for and identification of licensing and regulatory actions requiring environmental impact statements.

(a) Licensing and regulatory actions requiring an environmental impact statement shall meet at least one of the following criteria:

(1) The proposed action is a major Federal action significantly affecting the quality of the human environment.

(2) The proposed action involves a matter which the Commission, in the exercise of its discretion, has determined should be covered by an environmental impact statement.

(b) The following types of actions require an environmental impact statement or a supplement to an environmental impact statement:

(1) Issuance of a limited work authorization or a permit to construct a nuclear power reactor, testing facility or fuel reprocessing plant pursuant to Part 50 of this chapter.

(2) Issuance or renewal of a full power or design capacity license to operate a nuclear power reactor, testing facility, or fuel reprocessing plant pursuant to Part 50 of this chapter.

(3) Issuance of a permit to construct or a design capacity license to operate or renewal of a design capacity license to operate an isotopic enrichment plant pursuant to Part 50 of this chapter.

(4) Conversion of a provisional operating license for a nuclear power reactor, testing facility or fuel reprocessing plant to a full term or design capacity license pursuant to Part 50 of this chapter if a final environmental impact statement covering full term or design capacity operation has not been previously prepared.

(5) [reserved] 53 FR 24018

(6) Issuance of a license to manufacture pursuant to Appendix M of Part 52 of this chapter.

(7) Issuance of a license to possess and use special nuclear material for processing and fuel fabrication, scrap recovery, or conversion of uranium hexafluoride pursuant to Part 70 of this chapter.

(8) Issuance of a license to possess and use source material for uranium milling or production of uranium hexafluoride pursuant to Part 40 of this chapter.

(9) Issuance of a license pursuant to Part 72 of this chapter for the storage of spent fuel in an independent spent fuel storage installation (ISFSI) at a site not occupied by a nuclear power reactor, or for the storage of spent fuel or high-level radioactive waste in a monitored retrievable storage installation (MRS).

(10) Issuance of a license for a uranium enrichment facility.

(11) Issuance of renewal of a license authorizing receipt and disposal of radioactive waste from other persons pursuant to Part 61 of this chapter.

(12) Issuance of a license amendment pursuant to Part 61 of this chapter authorizing (i) closure of a land disposal site, (ii) transfer of the license to the disposal site owner for the purpose of institutional control, or (iii) termination of the license at the end of the institutional control period.

(13) Issuance of a construction authorization and license pursuant to Part 60 of this chapter.

(14) Any other action which the Commission determines is a major Commission action significantly affecting the quality of the human environment. As provided in § 51.22(b), the Commission may, in special circumstances, prepare an environmental impact statement on an action covered by a categorical exclusion.

§ 51.21 Criteria for and identification of licensing and regulatory actions requiring environmental assessments.

All licensing and regulatory actions subject to this subpart require an

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49 FR 24512

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54 FR 15372

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53 FR 31651

57 FR 18388

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54 FR 27864

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environmental assessment except those identified in § 51.20(b) as requiring an environmental impact statement, those identified in § 51.22(c) as categorical exclusions, and those identified in § 51.22(d) as other actions not requiring environmental review. As provided in § 51.22(b), the Commission may, in special circumstances, prepare an environmental assessment on an action covered by a categorical exclusion.
§ 51.22 Criterion for categorical exclusion; identification of licensing and regulatory actions eligible for categorical exclusion or otherwise not requiring environmental review.

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(a) Licensing and regulatory actions eligible for categorical exclusion shall meet the following criterion: The proposed action belongs to a category of actions which the Commission, by rule or regulation, has declared to be a categorical exclusion, after first finding that the category of actions does not individually or cumulatively have a significant effect on the human environment.

51 FR 33224

(b) Except in special circumstances, as determined by the Commission upon its own initiative or upon request of any interested person, an environmental assessment or an environmental impact statement is not required for any action within a category of actions included in the list of categorical exclusions set out in paragraph (c) of this section. Special circumstances include the circumstance where the proposed action involves unresolved conflicts concerning alternative uses of available resources within the meaning of section 102(2)(F) of NEPA.

49 FR 9352

(c) The following categories of actions are categorical exclusions:

58 FR 7715

(1) Amendments to Parts 0, 1, 2, 4, 7, 8, 9, 10, 11, 14, 19, 21, 25, 55, 75, 95, 110, 140, 150, 170, or 171 of this chapter, and actions on petitions for rulemaking relating to these amendments.

58 FR 7715

(2) Amendments to the regulations in this chapter which are corrective or of a minor or nonpolicy nature and do not substantially modify existing regulations, and actions on petitions for rulemaking relating to these amendments.

(3) Amendments to Parts 20, 30, 31, 32, 33, 34, 35, 36, 39, 40, 50, 51, 60, 61, 70, 71, 72, 73, 74, 81 and 100 of this chapter which relate to (i) procedures for filing and reviewing applications for licenses or construction permits or other forms of permission or for amendments to or renewals of licenses or construction permits or other forms of permission; (ii) recordkeeping requirements; or (iii) reporting requirements; and (iv) actions on petitions for rulemaking relating to these amendments.

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(4) Entrance into or amendment, suspension, or termination of all or part of an agreement with a State pursuant to section 274 of the Atomic Energy Act of 1954, as amended, providing for assumption by the State and discontinuance by the Commission of certain regulatory authority of the Commission.

58 FR 7715

(5) Procurement of general equipment and supplies.

(6) Procurement of technical assistance, confirmatory research provided that the confirmatory research does not involve any significant construction impacts, and personal services relating to the safe operation and protection of commercial reactors, other facilities, and materials subject to NRC licensing and regulation.

(7) Personnel actions.
(8) Issuance, amendment, or renewal of operators' licenses pursuant to Part 55 of this chapter.

(9) Issuance of an amendment to a permit or license for a reactor pursuant to Part 50 of this chapter which changes a requirement with respect to installation or use of a facility component located within the restricted area, as defined in Part 20 of this chapter, or which changes an inspection or a surveillance requirement, provided that (i) the amendment involves no significant hazards consideration, (ii) there is no significant change in the types or significant increase in the amounts of any effluents that may be released offsite, and (iii) there is no significant increase in individual or cumulative occupational radiation exposure.

(10) Issuance of an amendment to a permit or license pursuant to Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, 50, 60, 61, 70, or 72 of this chapter which (i) changes surety, insurance and/or indemnity requirements, or (ii) changes recordkeeping, reporting, or administrative procedures or requirements.

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(11) Issuance of amendments to licenses for fuel cycle plants and radioactive waste disposal sites and amendments to materials licenses identified in § 51.60(b)(1) which are administrative, organizational, or procedural in nature, or which result in a change in process operations or equipment, provided that (i) there is no significant change in the types or significant increase in the amounts of any effluents that may be released offsite, (ii) there is no significant increase in individual or cumulative occupational radiation exposure, (iii) there is no significant construction impact, and (iv) there is no significant increase in the potential for or consequences from radiological accidents.

58 FR 7715

(12) Issuance of an amendment to a license pursuant to Parts 50, 60, 61, 70, 72, or 75 of this chapter relating solely to safeguards matters (i.e., protection against sabotage or loss or diversion of special nuclear material) or issuance of an approval of a safeguards plan submitted pursuant to Parts 50, 70, 72, and 73 of this chapter, provided that the amendment or approval does not involve any significant construction impacts. These amendments and approvals are confined to (i) organizational and procedural matters, (ii) modifications to systems used for security and/or materials accountability, (iii) administrative changes, and (iv) review and approval of transportation routes pursuant to 10 CFR 73.37.

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(13) Approval of package designs for packages to be used for the transportation of licensed materials.

(14) Issuance, amendment, or renewal of materials licenses issued pursuant to 10 CFR Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, or 70 authorizing the following types of activities:

(i) Distribution of radioactive material and devices or products containing radioactive material to general licensees and to persons exempt from licensing.

(ii) Distribution of radiopharmaceuticals, generators, reagent kits and/or sealed sources to persons licensed pursuant to 10 CFR 35.14 and 35.100.

(iii) Nuclear pharmacies.

(iv) Medical and veterinary.

(v) Use of radioactive materials for research and development and for educational purposes.

(vi) Industrial radiography.

(vii) Irradiators.

(viii) Use of sealed sources and use of gauging devices, analytical instruments

and other devices containing sealed sources.

(ix) Use of uranium as shielding material in containers or devices.

(x) Possession of radioactive material incident to performing services such as installation, maintenance, leak tests and calibration.

(xi) Use of sealed sources and/or radioactive tracers in well-logging procedures.

(xii) Acceptance of packaged radioactive wastes from others for transfer to licensed land burial facilities provided the interim storage period for any package does not exceed 180 days and the total possession limit for all packages held in interim storage at the same time does not exceed 50 curies.

(xiii) Manufacturing or processing of source, byproduct, or special nuclear materials for distribution to other licensees, except processing of source material for extraction of rare earth and other metals.

(xiv) Nuclear laundries.

(xv) Possession, manufacturing, processing, shipment, testing, or other use of depleted uranium military munitions.

(xvi) Any use of source, byproduct, or special nuclear material not listed above which involves quantities and forms of source, byproduct, or special nuclear material similar to those listed in paragraphs (c)(14) (i) through (xv) of this section (Category 14).

(15) Issuance, amendment or renewal of licenses for import of nuclear facilities and materials pursuant to Part 110 of this chapter, except for import of spent power reactor fuel.

(16) Issuance or amendment of guides for the implementation of regulations in this chapter, and issuance or amendment of other informational and procedural documents that do not impose any legal requirements.

(17) Issuance of an amendment to a permit or license pursuant to Parts 30, 40, 50, or 70 of this chapter which deletes any limiting condition of operation or monitoring requirement based on or applicable to any matter subject to the provisions of the Federal Water Pollution Control Act.

(18) Issuance of amendments or orders authorizing licensees of production or utilization facilities to resume operation, provided the basis for the authorization rests solely on a determination or redetermination by the Commission that applicable emergency planning requirements are met.

(19) Issuance, amendment, modification, or renewal of a certificate of compliance of gaseous diffusion enrichment facilities pursuant to 10 CFR part 76.

(d) In accordance with section 121 of the Nuclear Waste Policy Act of 1982 (42 U.S.C. 10141), the promulgation of technical requirements and criteria that the Commission will apply in approving or disapproving applications under Part 60 of this chapter shall not require an environmental impact statement, an environmental assessment, or any environmental review under subparagraph (E) or (F) of section 102(2) of NEPA.

§ 51.23 Temporary storage of spent fuel after cessation of reactor operation—generic determination of no significant environmental impact.

(a) The Commission has made a generic determination that, if necessary, spent fuel generated in any reactor can be stored safely and without significant environmental impacts for at least 30 years beyond the licensed life for operation (which may include the term of a revised or renewed license) of that reactor at its spent fuel storage basin or at either onsite or offsite independent spent fuel storage installations. Further, the Commission believes there is reasonable assurance that at least one mined geologic repository will be available within the first quarter of the twenty-first century, and sufficient repository capacity will be available within 30 years beyond the licensed life for operation of any reactor to dispose of the commercial high-level waste and spent fuel originating in such reactor and generated up to that time.

(b) Accordingly, as provided in §§ 51.30(b), 51.53, 51.61, 51.80(b), 51.95 and 51.97(a), and within the scope of the generic determination in paragraph (a) of this section, no discussion of any environmental impact of spent fuel storage in reactor facility storage pools or independent spent fuel storage installations (ISFSI) for the period following the term of the reactor operating license or amendment or initial ISFSI license or amendment for which application is made, is required in any environmental report, environmental impact statement, environmental assessment or other analysis prepared in connection with the issuance or amendment of an operating license for a nuclear reactor or in connection with the issuance of an initial license for storage of spent fuel at an ISFSI, or any amendment thereto.

(c) This section does not alter any requirements to consider the environmental impacts of spent fuel storage during the term of a reactor operating license or a license for an ISFSI in a licensing proceeding.

Determinations To Prepare Environmental Impact Statements, Environmental Assessments or Findings of No Significant Impact, and Related Procedures

§ 51.25 Determination to prepare environmental impact statement or environmental assessment; eligibility for categorical exclusion.

Before taking a proposed action subject to the provisions of this subpart, the appropriate NRC staff director will determine on the basis of the criteria and classifications of types of actions in §§ 51.20, 51.21 and 51.22 of this subpart whether the proposed action is of the type listed in § 51.22(c) as a categorical exclusion or whether an environmental impact statement or an environmental assessment should be prepared. An environmental assessment is not necessary if it is determined that an environmental impact statement will be prepared.

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55 FR 38472

54 FR 27864

59 FR 48944

49 FR 9352

49 FR 34638

§ 51.26 Requirement to publish notice of intent and conduct scoping process.

(a) Whenever the appropriate NRC staff director determines that an environmental impact statement will be prepared by NRC in connection with a proposed action, a notice of intent will be prepared as provided in § 51.27, and will be published in the **Federal Register** as provided in § 51.116, and an appropriate scoping process (see §§ 51.27, 51.28, and 51.29) will be conducted.

(b) The scoping process may include a public scoping meeting.

(c) Upon receipt of an application and accompanying environmental impact statement under § 60.22 of this chapter (pertaining to geologic repositories for high-level radioactive waste), the appropriate NRC staff director will include in the notice of docketing required to be published by § 2.101(f)(8) of this chapter a statement of Commission intention to adopt the environmental impact statement to the extent practicable. However, if the appropriate NRC staff director determines, at the time of such publication or at any time thereafter, that NRC should prepare a supplemental environmental impact statement in connection with the Commission's action on the license application, the procedures set out in paragraph (a) of this section shall be followed.

§ 51.27 Notice of intent.

(a) The notice of intent required by § 51.26 shall:

- (1) State that an environmental impact statement will be prepared;
- (2) Describe the proposed action and, to the extent sufficient information is available, possible alternatives;
- (3) State whether the applicant or petitioner for rulemaking has filed an environmental report, and, if so, where copies are available for public inspection;
- (4) Describe the proposed scoping process, including the role of participants, whether written comments

will be accepted, the last date for submitting comments and where comments should be sent, whether a public scoping meeting will be held, the time and place of any scoping meeting or when the time and place of the meeting will be announced; and

(5) State the name, address and telephone number of an individual in NRC who can provide information about the proposed action, the scoping process, and the environmental impact statement.

Scoping

§ 51.28 Scoping—Participants.

(a) The appropriate NRC staff director shall invite the following persons to participate in the scoping process:

- (1) The applicant or the petitioner for rulemaking;
- (2) Any person who has petitioned for leave to intervene in the proceeding or who has been admitted as a party to the proceeding;
- (3) Any other Federal agency which has jurisdiction by law or special expertise with respect to any environmental impact involved or which is authorized to develop and enforce relevant environmental standards;
- (4) Affected State and local agencies, including those authorized to develop and enforce relevant environmental standards;

(5) Any affected Indian tribe; and
 (6) Any person who has requested an opportunity to participate in the scoping process.

(b) The appropriate NRC staff director may also invite any other appropriate person to participate in the scoping process.

(c) Participation in the scoping process for an environmental impact statement does not entitle the participant to become a party to the proceeding to which the environmental impact statement relates. Participation in an adjudicatory proceeding is governed by the procedures in 10 CFR 2.714 and 2.715. Participation in a rulemaking proceeding in which the Commission has decided to have a hearing is governed by the provisions in the notice of hearing.

§ 51.29 Scoping—Environmental impact statement.

(a) The scoping process for an environmental impact statement shall begin as soon as practicable after publication of the notice of intent as provided in § 51.116, and shall be used to:

(1) Define the proposed action which is to be the subject of the statement. The provisions of 40 CFR 1502.4 will be used for this purpose.

(2) Determine the scope of the statement and identify the significant issues to be analyzed in depth.

(3) Identify and eliminate from detailed study issues which are peripheral or are not significant or which have been covered by prior environmental review. Discussion of these issues in the statement will be limited to a brief presentation of why they are peripheral or will not have a significant effect on the quality of the human environment or a reference to their coverage elsewhere.

(4) Identify any environmental assessments and other environmental impact statements which are being or will be prepared that are related to but are not part of the scope of the statement under consideration.

(5) Identify other environmental review and consultation requirements related to the proposed action so that other required analyses and studies may be prepared concurrently and integrated with the environmental impact statement.

(6) Indicate the relationship between the timing of the preparation of environmental analyses and the Commission's tentative planning and decision-making schedule.

(7) Identify any cooperating agencies, and as appropriate, allocate assignments for preparation and schedules for completion of the statement to the NRC and any cooperating agencies.

(8) Describe the means by which the environmental impact statement will be prepared, including any contractor assistance to be used.

(b) At the conclusion of the scoping process, the appropriate NRC staff director will prepare a concise summary of the determinations and conclusions reached, including the significant issues identified, and will send a copy of the summary to each participant in the scoping process.

(c) At any time prior to issuance of the draft environmental impact statement, the appropriate NRC staff director may revise the determinations made under paragraph (b) of this section, as appropriate, if substantial changes are made in the proposed action, or if significant new circumstances or information arise which bear on the proposed action or its impacts.

Environmental Assessment

§ 51.30 Environmental assessment.

(a) An environmental assessment shall identify the proposed action and include:

- (1) A brief discussion of:
- (i) The need for the proposed action;
- (ii) Alternatives as required by section 102(2)(E) of NEPA;
- (iii) The environmental impacts of the proposed action and alternatives as appropriate; and

(2) A list of agencies and persons consulted, and identification of sources used.

(b) Unless otherwise determined by the Commission, an environmental assessment will not include discussion of any aspect of the storage of spent fuel within the scope of the generic determination in § 51.23(a) and in accordance with the provisions of § 51.23(b).

(c) An environmental assessment for a proposed action regarding a monitored retrievable storage installation (MRS) will not address the need for the MRS or any alternative to the design criteria for an MRS set forth in section 141(b)(1) of the Nuclear Waste Policy Act of 1982 (96 Stat. 2242, 42 U.S.C. 10161(b)(1)).

§ 51.31 Determinations based on environmental assessment.

Upon completion of an environmental assessment, the appropriate NRC staff director will determine whether to prepare an environmental impact statement or a finding of no significant impact on the proposed action. As provided in § 51.33, a determination to prepare a draft finding of no significant impact may be made.

Finding of No Significant Impact

§ 51.32 Finding of no significant impact.

(a) A finding of no significant impact will:

- (1) Identify the proposed action;
- (2) State that the Commission has determined not to prepare an environmental impact statement for the proposed action;
- (3) Briefly present the reasons why the proposed action will not have a significant effect on the quality of the human environment.

(4) Include the environmental assessment or a summary of the environmental assessment. If the assessment is included, the finding need not repeat any of the discussion in the assessment but may incorporate it by reference;

(5) Note any other related environmental documents; and

(6) State that the finding and any related environmental documents are available for public inspection and where the documents may be inspected.

§ 51.33 Draft finding of no significant impact; distribution.

(a) As provided in paragraph (b) of this section, the appropriate NRC staff director may make a determination to prepare and issue a draft finding of no significant impact for public review and comment before making a final determination whether to prepare an environmental impact statement or a final finding of no significant impact on the proposed action.

(b) Circumstances in which a draft finding of no significant impact may be prepared will ordinarily include the following:

(1) A finding of no significant impact appears warranted for the proposed action but the proposed action is (i) closely similar to one which normally requires the preparation of an environmental impact statement, or (ii) without precedent; and

(2) The appropriate NRC staff director determines that preparation of a draft finding of no significant impact will further the purposes of NEPA.

(c) A draft finding of no significant

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impact will (1) be marked "Draft", (2) contain the information specified in § 51.32, (3) be accompanied by or include a request for comments on the proposed action and on the draft finding within thirty (30) days, or such longer period as may be specified in the notice of the draft finding, and (4) be published in the *Federal Register* as required by §§ 51.35 and 51.119.

(d) A draft finding will be distributed as provided in § 51.74(a). Additional copies will be made available in accordance with § 51.123.

(e) When a draft finding of no significant impact is issued for a proposed action, a final determination to prepare an environmental impact statement or a final finding of no significant impact for that action shall not be made until the last day of the public comment period has expired.

§ 51.34 Preparation of finding of no significant impact.

(a) Except as provided in paragraph (b) of this section, the finding of no significant impact will be prepared by the NRC staff director authorized to take the action.

(b) When a hearing is held on the proposed action under the regulations in Subpart G of Part 2 of this chapter or when the action can only be taken by the Commissioners acting as a collegial body, the appropriate NRC staff director will prepare a proposed finding of no significant impact which may be subject to modification as a result of review and decision as appropriate to the nature and scope of the proceeding. In such cases, the presiding officer, the Atomic Safety and Licensing Appeal Board, or the Commission acting as a collegial body, as appropriate, will issue the final finding of no significant impact.

§ 51.35 Requirement to publish finding of no significant impact; limitation on Commission action.

(a) Whenever the Commission makes a draft or final finding of no significant impact on a proposed action, the finding will be published in the *Federal Register* as provided in § 51.119.

(b) Except as provided in § 51.13, the Commission shall not take the proposed action until after the final finding has been published in the *Federal Register*.

Environmental Reports and Information—Requirements Applicable to Applicants and Petitioners for Rulemaking

General

§ 51.40 Consultation with NRC Staff.

(a) A prospective applicant or petitioner for rulemaking is encouraged to confer with NRC staff as early as possible in its planning process before submitting environmental information or filing an environmental report.

(b) Requests for guidance or information on environmental matters may include inquiries relating to:

(1) Applicable NRC rules and regulations;

(2) Format, content and procedures for filing environmental reports and other environmental information, including the type and quantity of environmental information likely to be needed to address issues and concerns identified in the scoping process described in § 51.29 in a manner appropriate to their relative significance;

(3) Availability of relevant environmental studies and environmental information;

(4) Need for, appropriate level and scope of any environmental studies or information which the Commission may require to be submitted in connection with an application or petition for rulemaking;

(5) Public meetings with NRC staff.

(c) Questions concerning environmental matters should be addressed to the following NRC staff offices as appropriate:

(1) *Utilization facilities:* Director, Office of Nuclear Reactor Regulation, U.S. Nuclear Regulatory Commission, Washington, DC 20555, Telephone: (301) 492-1270.

(2) *Production facilities:* Director, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555, Telephone: (301) 492-3352.

(3) *Materials licenses:* Director, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555, Telephone: (301) 492-3352.

(4) *Rulemaking:* Director, Office of Nuclear Regulatory Research, U.S. Nuclear Regulatory Commission, Washington, DC 20555, Telephone: (301) 492-3700.

(5) *General Environmental Matters:* Executive Director for Operations, U.S. Nuclear Regulatory Commission, Washington, DC 20555, Telephone: (301) 492-1700.

§ 51.41 Requirement to submit environmental information.

The Commission may require an applicant for a permit, license, or other form of permission, or amendment to or renewal of a permit, license or other form of permission, or a petitioner for rulemaking to submit such information to the Commission as may be useful in aiding the Commission in complying with section 102(2) of NEPA. The Commission will independently evaluate and be responsible for the reliability of any information which it uses.

Environmental Reports—General Requirements

§ 51.45 Environmental Report.

(a) *General.* As required by §§ 51.50, 51.53, 51.54, 51.60, 51.61, 51.62 or 51.68, as appropriate, each applicant or petitioner for rulemaking shall submit with its application or petition for rulemaking one signed original of a separate document entitled "Applicant's" or "Petitioner's Environmental Report," as appropriate, and the number of copies specified in §§ 51.55, 51.66 or 51.69. An applicant or petitioner for rulemaking may submit a supplement to an environmental report at any time.

(b) *Environmental considerations.* The environmental report shall contain a description of the proposed action, a statement of its purposes, a description of the environment affected, and discuss the following considerations:

(1) The impact of the proposed action on the environment. Impacts shall be discussed in proportion to their significance;

(2) Any adverse environmental effects which cannot be avoided should the proposal be implemented;

(3) Alternatives to the proposed action. The discussion of alternatives shall be sufficiently complete to aid the Commission in developing and exploring, pursuant to section 102(2)(E) of NEPA, "appropriate alternatives to recommended courses of action in any proposal which involves unresolved conflicts concerning alternative uses of available resources." To the extent practicable, the environmental impacts of the proposal and the alternatives should be presented in comparative form;

(4) The relationship between local short-term uses of man's environment and the maintenance and enhancement of long-term productivity; and

(5) Any irreversible and irretrievable commitments of resources which would be involved in the proposed action should it be implemented.

(c) *Analysis.* The environmental report shall include an analysis which considers and balances the environmental effects of the proposed action and the alternatives available for reducing or avoiding adverse environmental effects, as well as the environmental, economic, technical and other benefits of the proposed action. The analysis shall, to the fullest extent practicable, quantify the various factors considered. To the extent that there are important qualitative considerations or factors that cannot be quantified, those considerations or factors shall be discussed in qualitative terms. The environmental report should contain sufficient data to aid the Commission in its development of an independent analysis.

(d) *Status of compliance.* The environmental report shall list all Federal permits, licenses, approvals and

other entitlements which must be obtained in connection with the proposed action and shall describe the status of compliance with these requirements. The environmental report shall also include a discussion of the status of compliance with applicable environmental quality standards and requirements including, but not limited to, applicable zoning and land-use regulations, and thermal and other water pollution limitations or requirements which have been imposed by Federal, State, regional, and local agencies having responsibility for environmental protection. The discussion of alternatives in the report shall include a discussion of whether the alternatives will comply with such applicable environmental quality standards and requirements.

(e) *Adverse information.* The information submitted pursuant to paragraphs (b)-(d) of this section should not be confined to information supporting the proposed action but should also include adverse information.

Environmental Reports—Production and Utilization Facilities

§ 51.50 Environmental Report—Construction permit stage.

Each applicant for a permit to construct a production or utilization facility covered by § 51.20 shall submit with its application the number of copies, as specified in § 51.55, of a separate document, entitled "Applicant's Environmental Report—Construction Permit Stage," which shall contain the information specified in §§ 51.45, 51.51 and 51.52. Each environmental report shall identify procedures for reporting and keeping records of environmental data, and any conditions and monitoring requirements for protecting the non-aquatic environment, proposed for possible inclusion in the license as environmental conditions in accordance with § 50.36b of this chapter.

§ 51.51 Uranium Fuel Cycle Environmental Data—Table S-3.

(a) Every environmental report prepared for the construction permit stage of a light-water-cooled nuclear power reactor, and submitted on or after September 4, 1979, shall take Table S-3, Table of Uranium Fuel Cycle Environmental Data, as the basis for evaluating the contribution of the environmental effects of uranium mining and milling, the production of uranium hexafluoride, isotopic enrichment, fuel fabrication, reprocessing of irradiated fuel, transportation of radioactive materials and management of low level wastes and high level wastes related to uranium fuel cycle activities to the environmental costs of licensing the nuclear power reactor. Table S-3 shall

be included in the environmental report and may be supplemented by a discussion of the environmental significance of the data set forth in the table as weighed in the analysis for the proposed facility.

(b) TABLE S-3

TABLE S-3—TABLE OF URANIUM FUEL CYCLE ENVIRONMENTAL DATA ¹
[Normalized to model LWR annual fuel requirement [WASH-1248] or reference reactor year [NUREG-0116]]
[See footnotes at end of this table]

Environmental considerations	Total	Maximum effect per annual fuel requirement or reference reactor year of model 1,000 MWe LWR
NATURAL RESOURCE USE		
Land (acres)		
Temporarily committed ²	100	Equivalent to a 110 MWe coal-fired power plant
Undisturbed area.....	79	
Disturbed area.....	22	
Permanently committed.....	13	
Overburden moved (millions of MT).....	2.8	Equivalent to 95 MWe coal-fired power plant
Water (millions of gallons):		
Discharged to air.....	160	= 2 percent of model 1,000 MWe LWR with cooling tower.
Discharged to water bodies.....	11,090	
Discharged to ground.....	127	
Total.....	11,377	< 4 percent of model 1,000 MWe LWR with once-through cooling.
Fossil fuel:		
Electrical energy (thousands of MW-hour).....	323	< 5 percent of model 1,000 MWe LWR output.
Equivalent coal (thousands of MT).....	118	Equivalent to the consumption of a 45 MWe coal-fired power plant.
Natural gas (millions of scf).....	135	< 0.4 percent of model 1,000 MWe energy output
EFFLUENTS—CHEMICAL (MT)		
Gases (including entrainment): ³		
SO ₂	4,400	Equivalent to emissions from 45 MWe coal-fired plant for a year.
NO _x	1,180	
Hydrocarbons.....	14	
CO.....	29.6	
Particulates.....	1,154	
Other gases:		
F.....	.67	Principally from UF ₆ production, enrichment, and re-processing. Concentration within range of state standards—below level that has effects on human health.
HCl.....	.014	

[Table S-3 continued on next page]

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TABLE S-3—TABLE OF URANIUM FUEL CYCLE ENVIRONMENTAL DATA¹—Continued
 [Normalized to model LWR annual fuel requirement (WASH-1248) or reference reactor year (NUREG-0116)]
 [See footnotes at end of this table]

Environmental considerations	Total	Maximum effect per annual fuel requirement or reference reactor year of model 1,000 MWe LWR
Liquids		
SO ₂	9.9	From enrichment, fuel fabrication, and reprocessing
NO _x	25.8	steps. Components that constitute a potential for
Fluoride	12.9	adverse environmental effect are present in dilute
Ca	5.4	concentrations and receive additional dilution by re-
Cl	8.5	ceiving bodies of water to levels below permissible
Na	12.1	standards. The constituents that require dilution and
NH ₃	10.0	the flow of dilution water are: NH ₃ —600 cfs., NO _x —20
Fe	.4	cfs., Fluoride—70 cfs.
Tailings solutions (thousands of MT)	240	From mills only—no significant effluents to environment.
Solids	91,000	Principally from mills—no significant effluents to environment.
Effluents—Radiological (cunes)		
Gases (including entrainment):		
Rn-222		Presently under reconsideration by the Commission.
Ra-226	.02	
Th-230	.02	
Uranium	.034	
Tritium (thousands)	18.1	
C-14	24	
Kr-85 (thousands)	400	
Ru-106	.14	Principally from fuel reprocessing plants.
I-129	1.3	
I-131	.83	
Tc-99		Presently under consideration by the Commission.
Fission products and transuramics		
	203	
Liquids:		
Uranium and daughters	2.1	Principally from milling—included tailings liquor and returned to ground—no effluents; therefore, no effect on environment.
Ra-226	.0034	From UF ₆ production.
Th-230	.0015	
Th-234	.01	From fuel fabrication plants—concentration 10 percent of 10 CFR 20 for total processing 26 annual fuel requirements for model LWR.
Fission and activation products		
	5.9 × 10 ⁻⁴	
Solids (buried on site):		
Other than high level (shallow)	11 300	9 100 Ci comes from low level reactor wastes and 1,500 Ci comes from reactor decontamination and decommissioning—buried at in-1 burial facilities. 600 Ci comes from mills—included in tailings returned to ground. Approximately 60 Ci comes from conversion and spent fuel storage. No significant effluent to the environment.
TRU and HLW (deep)	1.1 × 10 ¹¹	Buried at Federal Repository.
Effluents—thermal (billions of British thermal units)	4,053	<5 percent of model 1,000 MWe LWR.
Transportation (person-rem):		
Exposure of workers and general public	2.5	
Occupational exposure (person-rem)	22.6	From reprocessing and waste management.

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fuel, all radioactive waste shipped from the reactor is packaged and in a solid form:

(5) Unirradiated fuel is shipped to the reactor by truck; irradiated fuel is shipped from the reactor by truck, rail, or barge; and radioactive waste other than irradiated fuel is shipped from the reactor by truck or rail; and

(6) The environmental impacts of transportation of fuel and waste to and from the reactor, with respect to normal conditions of transport and possible accidents in transport, are as set forth in Summary Table S-4 in paragraph (c) of this section; and the values in the table represent the contribution of the transportation to the environmental costs of licensing the reactor.

(b) For reactors not meeting the conditions of paragraph (a) of this section, the statement shall contain a full description and detailed analysis of the environmental effects of transportation of fuel and wastes to and from the reactor, including values for the environmental impact under normal conditions of transport and for the environmental risk from accidents in transport. The statement shall indicate that the values determined by the analysis represent the contribution of such effects to the environmental costs of licensing the reactor.

(c) SUMMARY TABLE S-4

¹ In some cases where no entry appears it is clear from the background documents that the matter was addressed and that, in effect, the Table should be read as if a specific zero entry had been made. However, there are other areas that are not addressed at all in the Table. Table S-3 does not include health effects from the effluents described in the Table, or estimates of releases of Radon-222 from the uranium fuel cycle or estimates of Technetium-99 released from waste management or reprocessing activities. These issues may be the subject of litigation in the individual licensing proceedings.
 Data supporting the table are given in the "Environmental Survey of the Uranium Fuel Cycle," WASH-1248, April 1974; the "Environmental Survey of the Reprocessing and Waste Management Portion of the LWR Fuel Cycle," NUREG-0118 (Supp. 1 to WASH-1248); the "Public Comments and Task Force Responses Regarding the Environmental Survey of the Reprocessing and Waste Management Portions of the LWR Fuel Cycle," NUREG-0216 (Supp. 2 to WASH-1248); and in the record of the final rulemaking pertaining to Uranium Fuel Cycle Impacts from Spent Fuel Reprocessing and Radioactive Waste Management, Docket RM-50-3. The contributions from reprocessing, waste management and transportation of wastes are maximized for either of the two fuel cycles (uranium only and no recycle). The contribution from transportation excludes transportation of cold fuel to a reactor and of irradiated fuel and radioactive wastes from a reactor which are considered in Table S-4 of § 51.20(g). The contributions from the other steps of the fuel cycle are given in columns A-E of Table S-3A of WASH-1248.
² The contributions to temporarily committed land from reprocessing are not prorated over 30 years, since the complete temporary impact accrues regardless of whether the plant services one reactor for one year or 57 reactors for 30 years.
³ Estimated effluents based upon combustion of equivalent coal for power generation.
⁴ 1.2 percent from natural gas use and process.

§ 51.52 Environmental effects of transportation of fuel and waste—Table S-4.

Every environmental report prepared for the construction permit stage of a light-water-cooled nuclear power reactor, and submitted after February 4, 1975, shall contain a statement concerning transportation of fuel and radioactive wastes to and from the reactor. That statement shall indicate that the reactor and this transportation either meet all of the conditions in paragraph (a) of this section or all of the conditions in paragraph (b) of this section.

- (a)(1) The reactor has a core thermal power level not exceeding 3,800 megawatts;
- (2) The reactor fuel is in the form of sintered uranium dioxide pellets having a uranium-235 enrichment not exceeding 4% by weight, and the pellets are encapsulated in zircaloy rods;
- (3) The average level of irradiation of the irradiated fuel from the reactor does not exceed 33,000 megawatt-days per metric ton, and no irradiated fuel assembly is shipped until at least 90 days after it is discharged from the reactor;
- (4) With the exception of irradiated

SUMMARY TABLE S-4—ENVIRONMENTAL IMPACT OF TRANSPORTATION OF FUEL AND WASTE TO AND FROM ONE LIGHT-WATER-COOLED NUCLEAR POWER REACTOR¹

Normal Conditions of Transport			
		Environmental impact	
Heat (per irradiated fuel cask in transit).....		250,000 Btu/hr.	
Weight (governed by Federal or State restrictions)		73,000 lbs per truck; 100 tons per cask per rail car.	
Traffic density:			
Truck		Less than 1 per day.	
Rail		Less than 3 per month	
Exposed population	Estimated number of persons exposed	Range of doses to exposed individuals ² (per reactor year)	Cumulative dose to exposed population (per reactor year) ³
Transportation workers.....	200	0.01 to 300 millirem.....	4 man-rem.
General public:			
Onlookers.....	1,100	0.003 to 1.3 millirem.....	3 man-rem.
Along Route.....	600,000	0.0001 to 0.06 millirem.....	
Accidents in Transport			
		Environmental risk	
Radiological effects.....		Small ⁴	
Common (nonradiological) causes.....		1 fatal injury in 100 reactor years; 1 non-fatal injury in 10 reactor years; \$475 property damage per reactor year.	

¹ Data supporting this table are given in the Commission's "Environmental Survey of Transportation of Radioactive Materials to and from Nuclear Power Plants," WASH-1238, December 1972, and Supp. 1 NUREG-75/038 April 1975. Both documents are available for inspection and copying at the Commission's Public Document Room, 2120 L St. NW, Washington, D.C. and may be obtained from National Technical Information Service, Springfield, Va. 22161. WASH-1238 is available from NTIS at a cost of \$5.45 (microfiche, \$2.25) and NUREG-75/038 is available at a cost of \$3.25 (microfiche, \$2.25).

² The Federal Radiation Council has recommended that the radiation doses from all sources of radiation other than natural background and medical exposures should be limited to 5,000 millirem per year for individuals as a result of occupational exposure and should be limited to 500 millirem per year for individuals in the general population. The dose to individuals due to average natural background radiation is about 130 millirem per year.

³ Man-rem is an expression for the summation of whole body doses to individuals in a group. Thus, if each member of a population group of 1,000 people were to receive a dose of 0.001 rem (1 millirem), or if 2 people were to receive a dose of 0.5 rem (500 millirem) each, the total man-rem dose in each case would be 1 man-rem.

⁴ Although the environmental risk of radiological effects stemming from transportation accidents is currently incapable of being numerically quantified, the risk remains small regardless of whether it is being applied to a single reactor or a multireactor site.

§ 51.53 Supplement to Environmental Report.

(a) *Operating license stage.* Each applicant for a license or for renewal of a license to operate a production or utilization facility covered by § 51.20 shall submit with its application the number of copies, as specified in § 51.55, of a separate document, entitled "Supplement to Applicant's Environmental Report—Operating License Stage," which will update "Applicant's Environmental Report—Construction Permit Stage." Unless the applicant requests the renewal of an operating license or unless otherwise required by the Commission, the applicant for an operating license for a nuclear power reactor shall submit this report only in connection with the first licensing action authorizing full power operation. In this report, the applicant shall discuss the same matters described in §§ 51.45, 51.51 and 51.52, but only to the extent that they differ from those discussed or reflect new information in addition to that discussed in the final environmental impact statement prepared by the Commission in connection with the construction permit. Unless otherwise required by the Commission, no discussion of need for power or alternative energy sources or alternative sites for the facility or of any aspect of the storage of spent fuel for the facility within the scope of the generic

determination in § 51.23(a) and in accordance with § 51.23(b) is required in this report. The "Supplement to Applicant's Environment Report—Operating License Stage" may incorporate by reference any information contained in the "Applicant's Environmental Report—Construction Permit Stage," final environmental impact statement or record of decision previously prepared in connection with the construction permit.

(b) *Post operating license stage.* Each applicant for a license amendment authorizing the decommissioning of a production or utilization facility covered by § 51.20 and each applicant for a license or license amendment to store spent fuel at a nuclear power reactor after expiration of the operating license for the nuclear power reactor shall submit with its application the number of copies, as specified in § 51.55, of a separate document, entitled "Supplement to Applicant's Environmental Report—Post Operating License Stage," which will update "Applicant's Environmental Report—Operating License Stage," as appropriate, to reflect any new information or significant environmental change associated with the applicant's proposed decommissioning activities or with the applicant's proposed activities with respect to the planned storage of

spent fuel. Unless otherwise required by the Commission, in accordance with the generic determination in § 51.23(a) and the provisions in § 51.23(b), the applicant shall only address the environmental impact of spent fuel storage for the term of the license applied for. The "Supplement to Applicant's Environmental Report—Post Operating License Stage" may incorporate by reference any information contained in "Applicant's Environmental Report—Construction Permit Stage," "Supplement to Applicant's Environmental Report—Operating License Stage," final environmental impact statement, supplement to final environmental impact statement of records of decision previously prepared in connection with the construction permit or operating license.

§ 51.54 Environmental report—manufacturing license.

Each applicant for a license to manufacture a nuclear power reactor or, for an amendment to a license to manufacture seeking approval of the final design of the nuclear power reactor, pursuant to Appendix M of Part 52 of this chapter, shall submit with its application, as specified in § 50.4, a separate document, entitled "Applicant's Environmental Report—Manufacturing License," or "Supplement to Applicant's Environmental Report—Manufacturing License." The environmental report shall address the environmental matters specified in Appendix M of Part 52 of this chapter, and shall contain the information specified in § 51.45, as appropriate.

§ 51.55 Environmental report—number of copies; distribution.

(a) Each applicant for a license to construct and operate a production or utilization facility covered by paragraphs (b)(1), (b)(2), (b)(3) or (b)(4) of § 51.20 and each applicant for a license amendment authorizing the decommissioning of a production or utilization facility covered by § 51.20, and each applicant for a license or license amendment to store spent fuel at a nuclear power reactor after expiration of the operating license for the nuclear power reactor shall submit to the Director of Nuclear Reactor Regulation or the Director of Nuclear Material Safety and Safeguards, as appropriate, forty-one (41) copies of an environmental report, or any supplement to an environmental report. The applicant shall retain an additional 109 copies of the environmental report or any supplement to the environmental report for distribution to parties and Boards in the NRC proceeding, Federal, State, and local officials and any affected Indian tribes, in accordance

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53 FR 24018

53 FR 24018

54 FR 15372

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with written instructions issued by the Director of Nuclear Reactor Regulation or the Director of Nuclear Material Safety and Safeguards, as appropriate.

54 FR 15372

(b) Each applicant for a license to manufacture a nuclear power reactor, or for an amendment to a license to manufacture seeking approval of the final design of the nuclear power reactor, pursuant to Appendix M of Part 52 of this chapter shall submit to the Commission an environmental report or any supplement to an environmental report in the manner specified in § 50.4. The applicant shall retain an additional 100 copies of the environmental report or any supplement to the environmental report for distribution to parties and Boards in the NRC proceeding, Federal, State, and local officials and any affected Indian tribes, in accordance with written instructions issued by the Director of Nuclear Reactor Regulation.

Environmental Reports—Materials Licenses

§ 51.50 Environmental report—materials licenses.

58 FR 7715

(a) Each applicant for a license or other form of permission, or an amendment to or renewal of a license or other form of permission issued pursuant to Parts 30, 32, 33, 34, 35, 36, 39, 40, 61, 70 and/or 72 of this chapter, and covered by paragraphs (b)(1) through (b)(6) of this section, shall submit with its application to the Director of Nuclear Material Safety and Safeguards the number of copies, as specified in § 51.86, of a separate document, entitled "Applicant's Environmental Report" or "Supplement to Applicant's Environmental Report," as appropriate. The "Applicant's Environmental Report" shall contain the information specified in § 51.45. If the application is for an amendment to or a renewal of a license or other form of permission for which the applicant has previously submitted an environmental report, the supplement to applicant's environmental report may be limited to incorporating by reference, updating or supplementing the information previously submitted to reflect any significant environmental change, including any significant environmental change resulting from operational experience or a change in operations or proposed decommissioning activities. If the applicant is the U.S. Department of Energy, the environmental report may be in the form of either an environmental impact statement or an environmental assessment, as appropriate.

(b) As required by paragraph (a) of this section, each applicant shall prepare an environmental report for the following types of actions:

(1) Issuance or renewal of a license or other form of permission for:

(i) Possession and use of special nuclear material for processing and fuel fabrication, scrap recovery, or conversion of uranium hexafluoride pursuant to Part 70 of this chapter.

(ii) Possession and use of source material for uranium milling or production of uranium hexafluoride pursuant to Part 40 of this chapter.

(iii) Storage of spent fuel in an independent spent fuel storage installation (ISFSI) or the storage of spent fuel or high-level radioactive waste in a monitored retrievable storage installation (MRS) pursuant to Part 72 of this chapter.

(iv) Receipt and disposal of radioactive waste from other persons pursuant to Part 61 of this chapter.

(v) Processing of source material for extraction of rare earth and other metals.

(vi) Use of radioactive tracers in field flood studies involving secondary and tertiary oil and gas recovery.

(vii) Construction and operation of a uranium enrichment facility.

(2) Issuance of an amendment that would authorize or result in (i) a significant expansion of a site, (ii) a significant change in the types of effluents, (iii) a significant increase in the amounts of effluents, (iv) a significant increase in individual or cumulative occupational radiation exposure, (v) a significant increase in the potential for or consequences from radiological accidents, or (vi) a significant increase in spent fuel storage capacity, in a license or other form of permission to conduct an activity listed in paragraph (b)(1) of this section.

(3) Termination of a license for the possession and use of source material for uranium milling.

(4) Amendment of a license to authorize the decommissioning of an independent spent fuel storage installation (ISFSI) or a monitored retrievable storage installation (MRS) pursuant to Part 72 of this chapter.

(5) Issuance of a license amendment pursuant to Part 61 of this chapter authorizing (i) closure of a land disposal site, (ii) transfer of the license to the disposal site owner for the purpose of institutional control, or (iii) termination of the license at the end of the institutional control period.

(6) Any other licensing action for which the Commission determines an Environmental Report is necessary.

§ 51.61 Environmental report—Independent spent fuel storage installation (ISFSI) or monitored retrievable storage installation (MRS) license.

Each applicant for issuance of a license for storage of spent fuel in an independent spent fuel storage installation (ISFSI) or for the storage of spent fuel and high-level radioactive waste in a monitored retrievable storage installation (MRS) pursuant to Part 72 of this chapter shall submit with its application to the Director of Nuclear Material Safety and Safeguards the number of copies, as specified in § 51.66 of a separate document entitled "Applicant's Environmental Report—ISFSI License" or "Applicant's Environmental Report—MRS License," as appropriate. If the applicant is the U.S. Department of Energy, the environmental report may be in the form of either an environmental impact statement or an environmental assessment, as appropriate. The environmental report shall contain the information specified in § 51.45 and shall address the siting evaluation factors contained in Subpart E of Part 72 of this chapter. Unless otherwise required by the Commission, in accordance with the generic determination in § 51.23(a) and the provisions in § 51.23(b), no discussion of the environmental impact of the storage of spent fuel at an ISFSI beyond the term of the license or amendment applied for is required in an environmental report submitted by an applicant for an initial license for storage of spent fuel in an ISFSI or any amendment thereto.

§ 51.62 Environmental report—Land disposal of radioactive waste licensed under 10 CFR Part 61.

(a) Each applicant for issuance of a license for land disposal of radioactive waste pursuant to Part 61 of this chapter shall submit with its application to the Director of Nuclear Material Safety and Safeguards the number of copies, as specified in § 51.66 of a separate document, entitled "Applicant's Environmental Report—License for Land Disposal of Radioactive Waste." The environmental report and any supplement to the environmental report may incorporate by reference information contained in the application or in any previous application, statement or report filed with the Commission provided that such references are clear and specific and that copies of the information so incorporated are available in the NRC Public Document Room at 2120 L Street, N.W., Washington, D.C. and in any public document room established by the Commission near the proposed land disposal site.

(b) The environmental report shall contain the information specified in § 51.45, shall address the applicant's environmental monitoring program required by §§ 61.12(l), 61.53 and 61.59(b) of this chapter, and shall be as complete as possible in the light of information that is available at the time the environmental report is submitted.

(c) The applicant shall supplement the environmental report in a timely manner as necessary to permit the Commission to review, prior to issuance, amendment or renewal of a license, new information regarding the environmental impact of previously proposed activities, information regarding the environmental impact of any changes in previously proposed activities, or any significant new information regarding the environmental impact of closure activities and long-term performance of the disposal site.

§ 51.66 Environmental Report—Number of copies; Distribution.

(a) Each applicant for a license or other form of permission, or an amendment to or renewal of a license or other form of permission issued pursuant to Parts 30, 32, 33, 34, 35, 36, 39, 40, 61, 70 and/or 72 of this chapter, and covered by paragraphs (b)(1)-(b)(6) of § 51.60; or by §§ 51.61 or 51.62 shall submit to the Director of Nuclear Material Safety and Safeguards an environmental report or any supplement to an environmental report in the number of copies specified. The applicant shall retain additional copies of the environmental report or any supplement to the environmental report in the number of copies specified for distribution to Federal, State, and local officials and any affected Indian tribes in accordance with written instructions issued by the Director of Nuclear Material Safety and Safeguards.

(b) ENVIRONMENTAL REPORT

Type of licensing action	Number of copies to be submitted with application	Number of copies to be retained by applicant for subsequent distribution
Licensing actions requiring environmental impact statements pursuant to § 51.20(b)	25 copies	125 copies
Licensing actions requiring environmental assessments pursuant to § 51.21	15 copies	None

§ 51.67 Environmental information concerning geologic repositories.

(a) In lieu of an environmental report, the Department of Energy, as an applicant for a license or license amendment pursuant to Part 60 of this chapter, shall submit to the Commission any final environmental impact

statement which the Department prepares in connection with any geologic repository developed under Subtitle A of Title I, or under Title IV, of the Nuclear Waste Policy Act of 1982, as amended. (See § 60.22 of this chapter as to required time and manner of submission.) The statement shall include, among the alternatives under consideration, denial of a license or construction authorization by the Commission.

(b) Under applicable provisions of law, the Department of Energy may be required to supplement its final environmental impact statement if it makes a substantial change in its proposed action that is relevant to environmental concerns or determines that there are significant new circumstances or information relevant to environmental concerns and bearing on the proposed action or its impacts. The Department shall submit any supplement to its final environmental impact statement to the Commission. (See § 60.22 of this chapter as to required time and manner of submission.)

(c) Whenever the Department of Energy submits a final environmental impact statement, or a final supplement to an environmental impact statement, to the Commission pursuant to this section, it shall also inform the Commission of the status of any civil action for judicial review initiated pursuant to section 119 of the Nuclear Waste Policy Act of 1982. This status report, which the Department shall update from time to time to reflect changes in status, shall:

(1) State whether the environmental impact statement has been found by the courts of the United States to be adequate or inadequate; and

(2) Identify any issues relating to the adequacy of the environmental impact statement that may remain subject to judicial review.

Environmental Reports—Rulemaking

§ 51.68 Environmental Report—Rulemaking.

Petitioners for rulemaking requesting amendments of Parts 30, 31, 32, 33, 34, 35, 36, 39, 40 or 70 of this chapter concerning the exemption from licensing and regulatory requirements of or authorizing general licenses for any equipment, device, commodity or other product containing byproduct material, source material or special nuclear material shall submit with the petition the number of copies, as specified in § 51.69, of a separate document entitled "Petitioner's Environmental Report," which shall contain the information specified in § 51.45.

§ 51.69 Environmental Report—Number of copies.

Petitioners for rulemaking covered by § 51.68 shall submit fifty (50) copies of

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an environmental report or any supplement to an environmental report.

Environmental Impact Statements

Draft Environmental Impact Statements—General Requirements

§ 51.70 Draft Environmental Impact Statement—General.

(a) The NRC staff will prepare a draft environmental impact statement as soon as practicable after publication of the notice of intent to prepare an environmental impact statement and completion of the scoping process. To the fullest extent practicable, environmental impact statements will be prepared concurrently or integrated with environmental impact analyses and related surveys and studies required by other Federal law.

(b) The draft environmental impact statement will be concise, clear and analytic, will be written in plain language with appropriate graphics, will state how alternatives considered in it and decisions based on it will or will not achieve the requirements of sections 101 and 102(1) of NEPA and of any other relevant and applicable environmental laws and policies, will identify any methodologies used and sources relied upon, and will be supported by evidence that the necessary environmental analyses have been made. The format provided in section 1(a) of Appendix A of this subpart should be used. The NRC staff will independently evaluate and be responsible for the reliability of all information used in the draft environmental impact statement.

(c) The Commission will cooperate with State and local agencies to the fullest extent possible to reduce duplication between NEPA and State and local requirements, in accordance with 40 CFR 1506.2 (b) and (c).

§ 51.71 Draft Environmental Impact Statement—Contents.

(a) *Scope.* The draft environmental impact statement will be prepared in accordance with the scope decided upon in the scoping process required by §§ 51.28 and 51.29. As appropriate and to the extent required by the scope, the draft statement will address the topics in paragraphs (b), (c), (d) and (e) of this section and the matters specified in §§ 51.45, 51.50, 51.51, 51.52, 51.53, 51.54, 51.61 and 51.62.

(b) *Analysis of major points of view.* To the extent sufficient information is available, the draft environmental impact statement will include consideration of major points of view concerning the environmental impacts of the proposed action and the alternatives, and contain an analysis of significant problems and objections raised by other Federal, State, and local agencies, by any affected Indian tribes, and by other interested persons.

(c) *Status of compliance.* The draft environmental impact statement will list all Federal permits, licenses, approvals, and other entitlements which must be obtained in implementing the proposed action and will describe the status of compliance with those requirements. If it is uncertain whether a Federal permit, license, approval, or other entitlement is necessary, the draft environmental impact statement will so indicate.

(d) *Analysis.* The draft environmental impact statement will include a preliminary analysis which considers and balances the environmental and other effects of the proposed action and the alternatives available for reducing or avoiding adverse environmental and other effects, as well as the environmental, economic, technical and other benefits of the proposed action. The analysis will, to the fullest extent practicable, quantify the various factors considered. To the extent that there are important qualitative considerations or factors that cannot be quantified, these considerations or factors will be discussed in qualitative terms. The analysis will indicate what other interests and considerations of Federal policy, including factors not related to environmental quality, are thought to offset any adverse environmental effects of the proposed action identified pursuant to paragraph (a) of this section. Due consideration will be given to compliance with environmental quality standards and requirements which have been imposed by Federal, State, regional, and local agencies having responsibility for environmental protection, including applicable zoning and land-use regulations and water pollution limitations or requirements promulgated or imposed pursuant to the Federal Water Pollution Control Act. The environmental impact of the proposed action will be considered in the analysis with respect to matters covered by such standards and requirements irrespective of whether a certification or license from the appropriate authority has been obtained.³ While satisfaction of

³Compliance with the environmental quality standards and requirements of the Federal Water Pollution Control Act (imposed by EPA or designated permitting states) is not a substitute for and does not negate the requirement for NRC to weigh all environmental effects of the proposed action, including the degradation, if any, of water quality, and to consider alternatives to the proposed action which are available for reducing adverse effects. Where an environmental assessment of aquatic impact from plant discharges is available from the permitting authority then the NRC will consider the assessment in its determination of the magnitude of environmental impacts for striking an overall cost-benefit balance. When no such assessment of aquatic impacts is available from the permitting authority, then NRC will establish on its own or in conjunction with the permitting authority and other agencies having relevant expertise the magnitude of potential impacts for striking an overall cost-benefit balance for the facility.

Commission standards and criteria pertaining to radiological effects will be necessary to meet the licensing requirements of the Atomic Energy Act, the analysis will, for the purposes of NEPA, consider the radiological effects of the proposed action and alternatives.

(e) *Preliminary recommendation.* The draft environmental impact statement normally will include a preliminary recommendation by the NRC staff respecting the proposed action. This preliminary recommendation will be based on the information and analysis described in paragraphs (a)–(d) of this section and §§ 51.75, 51.76, 51.80 and 51.85, as appropriate, and will be reached after weighing the costs and benefits of the proposed action and considering reasonable alternatives. In lieu of a preliminary recommendation, the NRC staff may indicate in the draft statement that two or more alternatives remain under consideration.

§ 51.72 Supplement to draft environmental impact statement.

(a) The NRC staff will prepare a supplement to a draft environmental impact statement for which a notice of availability has been published in the Federal Register as provided in § 51.117, if:

(1) There are substantial changes in the proposed action that are relevant to environmental concerns; or

(2) There are significant new circumstances or information relevant to environmental concerns and bearing on the proposed action or its impacts.

(b) The NRC staff may prepare a supplement to a draft environmental impact statement when, in its opinion, preparation of a supplement will further the purposes of NEPA.

(c) The supplement to a draft environmental impact statement will be prepared and noticed in the same manner as the draft environmental impact statement except that a scoping process need not be used.

§ 51.73 Request for comments on draft environmental impact statement.

Each draft environmental impact statement and each supplement to a draft environmental impact statement distributed in accordance with § 51.74, and each news release provided pursuant to § 51.74(d) will be accompanied by or include a request for comments on the proposed action and on the draft environmental impact statement or any supplement to the draft environmental impact statement and will state where comments should be submitted and the date on which the comment period closes. A minimum comment period of 45 days will be provided. The comment period will be calculated from the date on which the Environmental Protection Agency notice stating that the draft statement or the

supplement to the draft statement has been filed with EPA is published in the Federal Register. If no comments are provided within the time specified, it will be presumed, unless the agency or person requests an extension of time, that the agency or person has no comment to make. To the extent practicable, NRC staff will grant reasonable requests for extensions of time of up to fifteen (15) days.

§ 51.74 Distribution of draft environmental impact statement and supplement to draft environmental impact statement; News releases.

(a) A copy of the draft environmental impact statement will be distributed to:

- (1) The Environmental Protection Agency.
- (2) Any other Federal agency which has special expertise or jurisdiction by law with respect to any environmental impact involved or which is authorized to develop and enforce relevant environmental standards.
- (3) The applicant or petitioner for rulemaking and any other party to the proceeding.
- (4) Appropriate State and local agencies authorized to develop and enforce relevant environmental standards.

(5) Appropriate State, regional and metropolitan clearinghouses.

(6) Appropriate Indian tribes when the proposed action may have an environmental impact on a reservation.

(7) Upon written request, any organization or group included in the master list of interested organizations and groups maintained under § 51.122.

(8) Upon written request, any other person to the extent available.

(b) Additional copies will be made available in accordance with § 51.123.

(c) A supplement to a draft environmental impact statement will be distributed in the same manner as the draft environmental impact statement to which it relates.

(d) News releases stating the availability for comment and place for obtaining or inspecting a draft environmental statement or supplement will be provided to local newspapers and other appropriate media.

(e) A notice of availability will be published in the Federal Register in accordance with § 51.117.

Draft Environmental Impact Statements—Production and Utilization Facilities

§ 51.75 Draft environmental impact statement—Construction permit.

A draft environmental impact statement relating to issuance of a construction permit for a production or utilization facility will be prepared in accordance with the procedures and measures described in §§ 51.70, 51.71, 51.72 and 51.73. The contribution of the

environmental effects of the uranium fuel cycle activities specified in § 51.51 shall be evaluated on the basis of impact values set forth in Table S-3. Table of Uranium Fuel Cycle Environmental Data, which shall be set out in the draft environmental impact statement. With the exception of radon-222 and technetium-99 releases, no further discussion of fuel cycle release values and other numerical data that appear explicitly in the Table shall be required.⁴ The impact statement shall take account of dose commitments and health effects from fuel cycle effluents set forth in Table S-3 and shall in addition take account of economic, socioeconomic, and possible cumulative impacts and such other fuel cycle impacts as may reasonably appear significant.

§ 51.76 Draft environmental impact statement—Manufacturing license.

A draft environmental impact statement relating to issuance of a license to manufacture a nuclear power reactor will address the environmental matters specified in Appendix M of Part 52 of this chapter. The draft environmental impact statement will include a request for comments as provided in § 51.73.

§ 51.77 Distribution of draft environmental impact statement.

(a) In addition to the distribution authorized by § 51.74, a copy of a draft environmental statement for a licensing action for a production or utilization facility, except an action authorizing issuance, amendment or renewal of a license to manufacture a nuclear power reactor pursuant to 10 CFR Part 52, Appendix M will also be distributed to:

(1) The chief executive of the municipality or county identified in the draft environmental impact statement as the preferred site for the proposed facility or activity.

(2) Upon request, the chief executive of each municipality or county identified in the draft environmental impact statement as an alternative site.

(b) Additional copies will be made available in accordance with § 51.123.

Draft Environmental Impact Statement—Materials Licenses

§ 51.80 Draft environmental impact statement—Materials license.

(a) The NRC staff will either prepare a draft environmental impact statement or as provided in § 51.92, a supplement to a final environmental impact statement

⁴ Values for releases of Rn-222 and Tc-99 are not given in the Table. The amount and significance of Rn-222 releases from the fuel cycle and Tc-99 releases from waste management or reprocessing activities shall be considered in the draft environmental impact statement and may be the subject of litigation in individual licensing proceedings.

for each type of action identified in § 51.20(b) (7)–(12). Except as the context may otherwise require, procedures and measures similar to those described in §§ 51.70, 51.71, 51.72 and 51.73 will be followed.

(b)(1) *Independent spent fuel storage installation (ISFSI)*. Unless otherwise determined by the Commission and in accordance with the generic determination in § 51.23(a) and the provisions of § 51.23(b), a draft environmental impact statement on the issuance of an initial license for storage of spent fuel at an independent spent fuel storage installation (ISFSI) or any amendment thereto, will address environmental impacts of spent fuel only for the term of the license or amendment applied for.

(2) *Monitored retrievable storage installation (MRS)*. As provided in sections 141 (c), (d), and (e) and 148 (a) and (c) of the Nuclear Waste Policy Act of 1982, as amended (NWPA) (96 Stat. 2242, 2243, 42 U.S.C. 10161 (c), (d), (e); 101 Stat. 1330–235, 1330–236, 42 U.S.C. 10166 (a) and (c)), a draft environmental impact statement for the construction of a monitored retrievable storage installation (MRS) will not address the need for the MRS or any alternative to the design criteria for an MRS set forth in section 141(b)(1) of the NWPA (96 Stat. 2242, 42 U.S.C. 10161(b)(1)) but may consider alternative facility designs which are consistent with these design criteria.

§ 51.81 Distribution of draft environmental impact statement.

Copies of the draft environmental impact statement and any supplement to the draft environmental impact statement will be distributed in accordance with the provisions of § 51.74.

Draft Environmental Impact Statements—Rulemaking

§ 51.85 Draft environmental impact statement—Rulemaking.

Except as the context may otherwise require, procedures and measures similar to those described in §§ 51.70, 51.71, 51.72 and 51.73 will be followed in proceedings for rulemaking for which the Commission has determined to prepare an environmental impact statement.

§ 51.86 Distribution of draft environmental impact statement.

Copies of the draft environmental impact statement and any supplement to the draft environmental impact statement will be distributed in accordance with the provisions of § 51.74.

Legislative Environmental Impact Statements—Proposals for Legislation

§ 51.88 Proposals for legislation.

The Commission will, as a matter of policy, follow the provisions of 40 CFR 1506.8 regarding the NEPA process for proposals for legislation.

Final Environmental Impact Statements—General Requirements

§ 51.90 Final environmental impact statement—General.

After receipt and consideration of comments requested pursuant to §§ 51.73 and 51.117, the NRC staff will prepare a final environmental impact statement in accordance with the requirements in §§ 51.70(b) and 51.71 for a draft environmental impact statement. The format provided in section 1(a) of Appendix A of this subpart should be used.

§ 51.91 Final environmental impact statement—Contents.

(a)(1) The final environmental impact statement will include responses to any comments on the draft environmental impact statement or on any supplement to the draft environmental impact statement. Responses to comments may include:

- (i) Modification of alternatives, including the proposed action;
- (ii) Development and evaluation of alternatives not previously given serious consideration;
- (iii) Supplementation or modification of analyses;
- (iv) Factual corrections;
- (v) Explanation of why comments do not warrant further response, citing sources, authorities or reasons which support this conclusion.

(2) All substantive comments received on the draft environmental impact statement or any supplement to the draft environmental impact statement (or summaries thereof where the response has been exceptionally voluminous) will be attached to the final statement, whether or not each comment is discussed individually in the text of the statement.

(3) If changes in the draft environmental impact statement in response to comments are minor and are confined either to factual corrections or to explanations of why the comments do not warrant further response, the changes may be made by attaching errata sheets to the draft statement. The entire document with a new cover may then be issued as the final environmental impact statement.

(b) The final environmental impact statement will discuss any relevant responsible opposing view not adequately discussed in the draft environmental impact statement or in any supplement to the draft environmental impact statement, and respond to the issues raised.

(c) The final environmental impact statement will state how the alternatives considered in it and decisions based on it will or will not achieve the requirements of sections 101 and 102(1) of NEPA and of any other relevant and applicable environmental laws and policies.

(d) The final environmental impact statement will include a final analysis and a final recommendation on the action to be taken.

§ 51.92 Supplement to final environmental impact statement.

(a) If the proposed action has not been taken, the NRC staff will prepare a supplement to a final environmental impact statement for which a notice of availability has been published in the *Federal Register* as provided in § 51.118, if:

- (1) There are substantial changes in the proposed action that are relevant to environmental concerns; or
- (2) There are significant new circumstances or information relevant to environmental concerns and bearing on the proposed action or its impacts.

(b) The NRC staff may prepare a supplement to a final environmental impact statement when, in its opinion, preparation of a supplement will further the purposes of NEPA.

(c) The supplement to a final environmental impact statement will be prepared in the same manner as the final environmental impact statement except that a scoping process need not be used.

(d)(1) A supplement to a final environmental impact statement will be accompanied by or will include a request for comments as provided in § 51.73 and a notice of availability will be published in the *Federal Register* as provided in § 51.117 if the conditions described in paragraph (a) of this section apply.

(2) If comments are not requested, a notice of availability of a supplement to a final environmental impact statement will be published in the *Federal Register* as provided in § 51.118.

§ 51.93 Distribution of final environmental impact statement and supplement to final environmental impact statement; News releases.

(a) A copy of the final environmental impact statement will be distributed to:

- (1) The Environmental Protection Agency.
- (2) The applicant or petitioner for rulemaking and any other party to the proceeding.
- (3) Appropriate State, regional and metropolitan clearinghouses.
- (4) Each commenter.

(b) Additional copies will be made available in accordance with § 51.123.

(c) If the final environmental impact statement is unusually long or there are so many comments on a draft environmental impact statement or any supplement to a draft environmental impact statement that distribution of the entire final statement to all commenters is impracticable, a summary of the final statement and the substantive comments will be distributed. When the final environmental impact statement has been prepared by adding errata sheets to the draft environmental impact statement as provided in § 51.91(a)(3), only the comments, the responses to the comments and the changes to the environmental impact statement will be distributed.

(d) A supplement to a final environmental impact statement will be distributed in the same manner as the final environmental impact statement to which it relates.

(e) News releases stating the availability and place for obtaining or inspecting a final environmental impact statement or supplement will be provided to local newspapers and other appropriate media.

(f) A notice of availability will be published in the *Federal Register* in accordance with § 51.118.

§ 51.94 Requirement to consider final environmental impact statement.

The final environmental impact statement, together with any comments and any supplement, will accompany the application or petition for rulemaking through, and be considered in, the Commission's decisionmaking process. The final environmental impact statement, together with any comments and any supplement, will be made a part of the record of the appropriate adjudicatory or rulemaking proceeding.

Final Environmental Impact Statements—Production and Utilization Facilities

§ 51.95 Supplement to final environmental impact statement.

(a) *Operating license stage.* In connection with the issuance of an operating license for a production or utilization facility, the NRC staff will prepare a supplement to the final environmental impact statement on the construction permit for that facility, which will update the prior environmental review. The supplement may incorporate by reference any information contained in the final environmental impact statement or in the record of decision prepared in connection with the construction permit for that facility. The supplement will include a request for comments as provided in § 51.73. The supplement will only cover matters which differ from, or which reflect significant new

49 FR 34688

information concerning matters discussed in the final environmental impact statement. Unless otherwise determined by the Commission, a supplement on the operation of a nuclear power reactor will not include discussion of need for power or alternative energy sources or alternative sites or of any aspect of the storage of spent fuel for the nuclear power reactor within the scope of the generic determination in § 51.23(a) and in accordance with § 51.23(b), and will only be prepared in connection with the first licensing action authorizing full power operation.

53 FR 24018

(b) *Post operating license stage.* In connection with the amendment of an operating license to authorize the decommissioning of a production or utilization facility covered by § 51.20 or with the issuance, amendment or renewal of a license to store spent fuel at a nuclear power reactor after expiration of the operating license for the nuclear power reactor, the NRC staff will prepare a supplemental environmental impact statement for the post operating license stage or an environmental assessment, as appropriate, which will update the prior environmental review. The supplement or assessment may incorporate by reference any information contained in the final environmental impact statement, the supplement to the final environmental impact statement—operating license stage, or in the records of decision prepared in connection with the construction permit or the operating license for that facility. The supplement will include a request for comments as provided in § 51.73. Unless otherwise required by the Commission, in accordance with the generic determination in § 51.23(a) and the provisions of § 51.23(b), a supplemental environmental impact statement for the post operating license stage or an environmental assessment, as appropriate, will address the environmental impacts of spent fuel storage only for the term of the license, license amendment or license renewal applied for.

*Final Environmental Impact Statements—
Materials Licenses*

49 FR 34688

§ 51.97 Final environmental impact statement—Materials license.

(a) *Independent spent fuel storage installation (ISFSI).* Unless otherwise determined by the Commission, and in accordance with the generic determination in § 51.23(a) and the provisions of § 51.23(b), a final environmental impact statement on the issuance of an initial license for the storage of spent fuel at an independent spent fuel storage installation (ISFSI) or any amendment thereto, will address environmental impacts of spent fuel storage only for the term of the license or amendment applied for.

53 FR 31651

(b) *Monitored retrievable storage facility (MRS).* As provided in sections 141 (c), (d), and (e) and 148 (a) and (c) of the Nuclear Waste Policy Act of 1982, as amended (NWPA) (96 Stat. 2242, 2243, 42 U.S.C. 10161 (c), (d), (e); 101 Stat. 1330–235, 1330–236, 42 U.S.C. 10168 (a), (c)) a final environmental impact statement for the construction of a monitored retrievable storage installation (MRS) will not address the need for the MRS or any alternative to the design criteria for an MRS set forth in section 141(b)(1) of the NWPA (96 Stat. 2242, 42 U.S.C. 10161(b)(1)) but may consider alternative facility designs which are consistent with these design criteria.

57 FR 18386

(c) *Uranium enrichment facility.* As provided in section 5(e) of the Solar, Wind, Waste, and Geothermal Power Production Incentives Act of 1990 (104 Stat. 2834 at 2835, 42 U.S.C. 2243), a final environmental impact statement must be prepared before the hearing on the issuance of a license for a uranium enrichment facility is completed.

*Final Environmental Impact Statements—
Rulemaking*

49 FR 9352

§ 51.99 [Reserved]

NEPA Procedure and Administrative Action

General

§ 51.100 Timing of Commission action.

(a)(1) Except as provided in § 51.13 and paragraph (b) of this section, no decision on a proposed action, including the issuance of a permit, license, or other form of permission, or amendment

to or renewal of a permit, license, or other form of permission, or the issuance of an effective regulation, for which an environmental impact statement is required, will be made and no record of decision will be issued until the later of the following dates:

(i) Ninety (90) days after publication by the Environmental Protection Agency of a Federal Register notice stating that the draft environmental impact statement has been filed with EPA.

(ii) Thirty (30) days after publication by the Environmental Protection Agency of a Federal Register notice stating that the final environmental impact statement has been filed with EPA.

(2) If a notice of filing of a final environmental impact statement is published by the Environmental Protection Agency within ninety (90) days after a notice of filing of a draft environmental impact statement has been published by EPA, the minimum thirty (30) day period and the minimum ninety (90) day period may run concurrently to the extent they overlap.

(b) In any rulemaking proceeding for the purpose of protecting the public health or safety or the common defense and security, the Commission may make and publish the decision on the final rule at the same time that the Environmental Protection Agency publishes the Federal Register notice of filing of the final environmental impact statement.

§ 51.101 Limitations on actions.

(a) Until a record of decision is issued in connection with a proposed licensing or regulatory action for which an environmental impact statement is required under § 51.20, or until a final finding of no significant impact is issued in connection with a proposed licensing or regulatory action for which an environmental assessment is required under § 51.21:

(1) No action concerning the proposal may be taken by the Commission which would (i) have an adverse environmental impact, or (ii) limit the choice of reasonable alternatives.

(2) Any action concerning the proposal taken by an applicant which would (i) have an adverse environmental impact, or (ii) limit the choice of reasonable alternatives may be grounds for denial of the license. In the case of an application covered by §§ 30.32(f), 40.31(f), 50.10(c), 70.21(f), or 72.16 and 72.34 of this chapter, the provisions of this paragraph will be applied in accordance with §§ 30.33(a)(5), 40.32(e), 50.10(c) and (e), 70.23(a)(7), or 72.40(b) of this chapter, as appropriate.

(b) While work on a required program environmental impact statement is in progress, the Commission will not undertake in the interim any major Federal action covered by the program which may significantly affect the quality of the human environment unless such action:

(1) Is justified independently of the program;

(2) Is itself accompanied by an adequate environmental impact statement; and

(3) Will not prejudice the ultimate decision on the program. Absent any satisfactory explanation to the contrary, interim action which tends to determine subsequent development or limit reasonable alternatives, will be considered prejudicial.

(c) This section does not preclude any applicant for an NRC permit, license, or other form of permission, or a amendment to or renewal of an NRC permit, license, or other form of permission, (1) from developing any plans or designs necessary to support an application; or (2) after prior notice and consultation with NRC staff, (i) from performing any physical work necessary to support an application, or (ii) from performing any other physical work relating to the proposed action if the adverse environmental impact of that work is de minimis.

§ 51.102 Requirement to provide a record of decision; preparation.

(a) A Commission decision on any action for which a final environmental impact statement has been prepared shall be accompanied by or include a concise public record of decision.

(b) Except as provided in paragraph (c) of this section, the record of decision will be prepared by the NRC staff director authorized to take the action.

(c) When a hearing is held on the proposed action under the regulations in Subpart G of Part 2 of this chapter or when the action can only be taken by the Commissioners acting as a collegial body, the initial decision of the presiding officer or the final decision of the Atomic Safety and Licensing Appeal Board or the final decision of the Commissioners acting as a collegial body will constitute the record of decision. An initial or final decision constituting the record of decision will be distributed as provided in § 51.93.

§ 51.103 Record of decision—General.

(a) The record of decision required by § 51.102 shall be clearly identified and shall:

(1) State the decision.

(2) Identify all alternatives considered by the Commission in reaching the decision, state that these alternatives were included in the range of alternatives discussed in the environmental impact statement, and

specify the alternative or alternatives which were considered to be environmentally preferable.

(3) Discuss preferences among alternatives based on relevant factors, including economic and technical considerations, the NRC's statutory mission, and any essential considerations of national policy, which were balanced by the Commission in making the decision and state how these considerations entered into the decision.

(4) State whether the Commission has taken all practicable measures within its jurisdiction to avoid or minimize environmental harm from the alternative selected, and if not, to explain why those measures were not adopted. Summarize any license conditions and monitoring programs adopted in connection with mitigation measures.

(b) The record of decision may be integrated into any other record prepared by the Commission in connection with the action.

(c) The record of decision may incorporate by reference material contained in a final environmental impact statement.

§ 51.104 NRC proceeding using public hearings; Consideration of environmental impact statement.

(a)(1) In any proceeding in which (i) a hearing is held on the proposed action, (ii) a final environmental impact statement has been prepared in connection with the proposed action, and (iii) matters within the scope of NEPA and this subpart are in issue, the NRC staff may not offer the final environmental impact statement in evidence or present the position of the NRC staff on matters within the scope of NEPA and this subpart until the final environmental impact statement is filed with the Environmental Protection Agency, furnished to commenting agencies and made available to the public.

(2) Any party to the proceeding may take a position and offer evidence on the aspects of the proposed action within the scope of NEPA and this subpart in accordance with the provisions of Part 2 of this chapter applicable to that proceeding or in accordance with the terms of the notice of hearing.

(3) In the proceeding the presiding officer will decide those matters in controversy among the parties within the scope of NEPA and this subpart.

(b) In any proceeding in which a hearing is held where the NRC staff has determined that no environmental impact statement need be prepared for the proposed action, unless the Commission orders otherwise, any party to the proceeding may take a position and offer evidence on the aspects of the proposed action within the scope of NEPA and this subpart in accordance with the provisions of Part 2 of this

chapter applicable to that proceeding or in accordance with the terms of the notice of hearing. In the proceeding, the presiding officer will decide any such matters in controversy among the parties.

Production and Utilization Facilities

§ 51.105 Public hearings in proceedings for issuance of construction permits or licenses to manufacture.

(a) In addition to complying with applicable requirements of § 51.104, in a proceeding for the issuance of a construction permit for a nuclear power reactor, testing facility, fuel reprocessing plant or isotopic enrichment plant, or for the issuance of a license to manufacture, the presiding officer will:

- (1) Determine whether the requirements of section 102(2) (A), (C), and (E) of NEPA and the regulations in this subpart have been met;
- (2) Independently consider the final balance among conflicting factors contained in the record of the proceeding with a view to determining the appropriate action to be taken;
- (3) Determine, after weighing the environmental, economic, technical, and other benefits against environmental and other costs, and considering reasonable alternatives, whether the construction permit or license to manufacture should be issued, denied, or appropriately conditioned to protect environmental values;
- (4) Determine, in an uncontested proceeding, whether the NEPA review conducted by the NRC staff has been adequate; and
- (5) Determine, in a contested proceeding, whether in accordance with the regulations in this subpart, the construction permit or license to manufacture should be issued as proposed.

§ 51.106 Public hearings in proceedings for issuance of operating licenses.

(a) Consistent with the requirements of this section and as appropriate, the presiding officer in an operating license hearing shall comply with any applicable requirements of §§ 51.104 and 51.105.

(b) During the course of a hearing on an application for issuance of an operating license for a nuclear power reactor, or a testing facility, the presiding officer may authorize, pursuant to § 50.57(c) of this chapter, the loading of nuclear fuel in the reactor core and limited operation within the scope of § 50.57(c) of this chapter, upon compliance with the procedures described therein. In any such hearing, where any party opposes such authorization on the basis of matters covered by Subpart A of this part, the provisions of §§ 51.104 and 51.105 will

apply, as appropriate.

(c) The presiding officer in an operating license hearing shall not admit contentions proffered by any party concerning need for power or alternative energy sources or alternative sites for the facility for which an operating license is requested.

(d) The presiding officer in an operating license hearing shall not raise issues concerning alternative sites for the facility for which an operating license is requested *sua sponte*.

Materials Licenses

§ 51.108 [Reserved]

§ 51.109 Public hearings in proceedings for issuance of materials license with respect to a geologic repository.

(a)(1) In a proceeding for the issuance of a license to receive and possess source, special nuclear, and byproduct material at a geologic repository operations area, the NRC staff shall, upon the publication of the notice of hearing in the *Federal Register*, present its position on whether it is practicable to adopt, without further supplementation, the environmental impact statement (including any supplement thereto) prepared by the Secretary of Energy. If the position of the staff is that supplementation of the environmental impact statement by NRC is required, it shall file its final supplemental environmental impact statement with the Environmental Protection Agency, furnish that statement to commenting agencies, and make it available to the public, before presenting its position, or as soon thereafter as may be practicable. In discharging its responsibilities under this paragraph, the staff shall be guided by the principles set forth in paragraphs (c) and (d) of this section.

(2) Any other party to the proceeding who contends that it is not practicable to adopt the DOE environmental impact statement, as it may have been supplemented, shall file a contention to that effect within thirty days after the publication of the notice of hearing in the *Federal Register*. Such contention must be accompanied by one or more affidavits which set forth factual and/or technical bases for the claim that, under the principles set forth in paragraphs (c) and (d) of this section, it is not practicable to adopt the DOE environmental impact statement, as it may have been supplemented. The presiding officer shall resolve disputes concerning adoption of the DOE environmental impact statement by using, to the extent possible, the criteria and procedures that are followed in ruling on motions to reopen under § 2.734 of this chapter.

(b) In any such proceeding, the presiding officer will determine those matters in controversy among the parties within the scope of NEPA and this subpart, specifically including whether, and to what extent, it is practicable to adopt the environmental impact statement prepared by the Secretary of Energy in connection with the issuance of a construction authorization and license for such repository.

(c) The presiding officer will find that it is practicable to adopt any environmental impact statement prepared by the Secretary of Energy in connection with a geologic repository proposed to be constructed under Title I of the Nuclear Waste Policy Act of 1982, as amended, unless:

- (1)(i) The action proposed to be taken by the Commission differs from the action proposed in the license application submitted by the Secretary of Energy; and
 - (ii) The difference may significantly affect the quality of the human environment; or
 - (2) Significant and substantial new information or new considerations render such environmental impact statement inadequate.
- (d) To the extent that the presiding officer determines it to be practicable, in accordance with paragraph (c) of this section, to adopt the environmental impact statement prepared by the Secretary of Energy, such adoption shall be deemed to satisfy all responsibilities of the Commission under NEPA and no further consideration under NEPA or this subpart shall be required.
- (e) To the extent that it is not practicable, in accordance with paragraph (c) of this section, to adopt the environmental impact statement prepared by the Secretary of Energy, the presiding officer will:

- (1) Determine whether the requirements of section 102(2) (A), (C), and (E) of NEPA and the regulations in this subpart have been met;
- (2) Independently consider the final balance among conflicting factors contained in the record of the proceeding with a view to determining the appropriate action to be taken;
- (3) Determine, after weighing the environmental, economic, technical and other benefits against environmental and other costs, whether the construction authorization or license should be issued, denied, or appropriately conditioned to protect environmental values;
- (4) Determine, in an uncontested proceeding, whether the NEPA review conducted by the NRC staff has been adequate; and
- (5) Determine, in a contested proceeding, whether in accordance with the regulations in this subpart, the construction authorization or license should be issued as proposed.

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(f) In making the determinations described in paragraph (e), the environmental impact statement will be deemed modified to the extent that findings and conclusions differ from those in the final statement prepared by the Secretary of Energy, as it may have been supplemented. The initial decision will be distributed to any persons not otherwise entitled to receive it who responded to the request in the notice of docketing, as described in § 51.26(c). If the Commission or the Atomic Safety and Licensing Appeal Board reaches conclusions different from those of the presiding officer with respect to such matters, the final environmental impact statement will be deemed modified to that extent and the decision will be similarly distributed.

(g) The provisions of this section shall be followed, in place of those set out in § 51.104, in any proceedings for the issuance of a license to receive and possess source, special nuclear, and byproduct material at a geologic repository operations area.

Rulemaking

§ 51.110 [Reserved]

Public Notice of and Access to Environmental Documents

§ 51.116 Notice of intent.

(a) In accordance with § 51.26, the appropriate NRC staff director will publish in the Federal Register a notice of intent stating that an environmental impact statement will be prepared. The notice will contain the information specified in § 51.27.

(b) Copies of the notice will be sent to appropriate Federal, State, and local agencies, and Indian tribes, appropriate State, regional, and metropolitan clearinghouses and to interested persons upon request. A public announcement of the notice of intent will also be made.

§ 51.117 Draft environmental impact statement—Notice of availability.

(a) Upon completion of a draft environmental impact statement or any supplement to a draft environmental impact statement, the appropriate NRC staff director will publish a notice of availability of the statement in the Federal Register.

(b) The notice will request comments on the proposed action and on the draft statement or any supplement to the draft statement and will specify where comments should be submitted and when the comment period expires.

(c) The notice will (1) state that copies of the draft statement or any supplement to the draft statement are available for public inspection; (2) state where inspection may be made, and (3) state that any comments of Federal, State, and local agencies, Indian tribes or other interested persons will be made

available for public inspection when received.

(d) Copies of the notice will be sent to appropriate Federal, State, and local agencies, and Indian tribes, appropriate State, regional, and metropolitan clearinghouses, and to interested persons upon request.

§ 51.118 Final Environmental Impact Statement—Notice of Availability.

(a) Upon completion of a final environmental impact statement or any supplement to a final environmental impact statement, the appropriate NRC staff director will publish a notice of availability of the statement in the Federal Register. The notice will state that copies of the final statement or any supplement to the final statement are available for public inspection and where inspection may be made. Copies of the notice will be sent to appropriate Federal, State, and local agencies, and Indian tribes, appropriate State, regional, and metropolitan clearinghouses and to interested persons upon request.

(b) Upon adoption of a final environmental impact statement or any supplement to a final environmental impact statement prepared by the Department of Energy with respect to a geologic repository that is subject to the Nuclear Waste Policy Act of 1982, the appropriate NRC staff director shall follow the procedures set out in paragraph (a) of this section.

§ 51.119 Publication of Finding of No Significant Impact; distribution.

(a) As required by § 51.35, the appropriate NRC staff director will publish the finding of no significant impact in the Federal Register. The finding of no significant impact will be identified as a draft or final finding, and will contain the information specified in §§ 51.32 or 51.33, as appropriate. A draft finding of no significant impact will include a request for comments which specifies where comments should be submitted and when the comment period expires.

(b) The finding will state that copies of the finding, the environmental assessment setting forth the basis for the finding and any related environmental documents are available for public inspection and where inspection may be made.

(c) A copy of a final finding will be sent to appropriate Federal, State, and local agencies, and Indian tribes, appropriate State, regional, and metropolitan clearinghouses, the applicant or petitioner for rulemaking and any other party to the proceeding, and if a draft finding was issued, to each commenter. Additional copies will be made available in accordance with § 51.123.

§ 51.120 Availability of environmental documents for public inspection.

Copies of environmental reports, draft and final environmental impact statements, environmental assessments, and findings of no significant impact, together with any related comments and environmental documents, will be placed in the NRC's Public Document Room at 2120 L Street, N.W., Washington, D.C., and in any public document room established by the Commission in the vicinity of the site of the proposed facility or licensed activity where a file of documents pertaining to such proposed facility or activity is maintained.

§ 51.121 Status of NEPA actions.

Individuals or organizations desiring information on the NRC's NEPA process or on the status of specific NEPA actions should address inquiries to:

(a) Utilization facilities: Director, Office of Nuclear Reactor Regulation, U.S. Nuclear Regulatory Commission, Washington, DC 20555, Telephone (301) 492-1270.

(b) Production facilities: Director, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555, Telephone: (301) 492-3352.

(c) Materials licenses: Director, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555, Telephone: (301) 492-3352.

(d) Rulemaking: Director, Office of Nuclear Regulatory Research, U.S. Nuclear Regulatory Commission, Washington, DC 20555, Telephone: (301) 492-3700.

(e) General Environmental Matters: Executive Director for Operations, U.S. Nuclear Regulatory Commission, Washington, DC 20555, Telephone: (301) 492-1700.

§ 51.122 List of interested organizations and groups.

The NRC Office of Information Resources Management will maintain a master list of organizations and groups, including relevant conservation commissions, known to be interested in the Commission's licensing and regulatory activities. The NRC Office of Information Resources Management with the assistance of the appropriate NRC staff director will select from this master list those organizations and groups that may have an interest in a specific NRC NEPA action and will promptly notify such organizations and groups of the availability of a draft environmental impact statement or a draft finding of no significant impact.

54 FR 27864

49 FR 9352

49 FR 9352

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49 FR 9352

53 FR 43419

53 FR 13399

54 FR 63312

§ 51.123 Charges for environmental documents; distribution to public; distribution to governmental agencies.

(a) *Distribution to Public.* Upon written request to the Director, Division of Information Support Services, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, and to the extent available, single copies of draft environmental impact statements and draft findings of no significant impact will be made available to interested persons without charge. Single copies of final environmental impact statements and final findings of no significant impact will also be provided without charge to the persons listed in § 51.93(a) and § 51.119(c), respectively. When more than one copy of an environmental impact statement or a finding of no significant impact is requested or when available NRC copies have been exhausted, the requestor will be advised that the NRC will provide copies at the charges specified in § 9.14 of this chapter.

(b) *Distribution to Governmental Agencies.* Upon written request to the Director, Division of Information Support Services, U.S. Nuclear Regulatory Commission, Washington, DC 20555, and to the extent available, copies of draft and final environmental impact statements and draft final findings of no significant impact will be made available in the number requested to Federal, State and local agencies, Indian tribes, and State, regional and metropolitan clearinghouses. When available NRC copies have been exhausted, the requester will be advised that the NRC will provide copies at the charges specified in § 9.14 of this chapter.

(c) *Charges.* Charges for the reproduction of environmental documents by the NRC at locations other than the NRC Public Document Room located in Washington, D.C. vary according to location.

matters under the jurisdiction of a presiding officer, administrative judge, administrative law judge, Atomic Safety and Licensing Board, Atomic Safety and Licensing Appeal Board, or the Commission acting as a collegial body.

Appendix A to Subpart A—Format for Presentation of Material in Environmental Impact Statements

1. General
2. Cover sheet
3. Summary
4. Purpose of and need for action
5. Alternatives including the proposed action
6. Affected environment
7. Environmental consequences and mitigating actions
8. List of preparers
9. Appendices

1. General.

(a) The Commission will use a format for environmental impact statements which will encourage good analysis and clear presentation of the alternatives including the proposed action. The following standard format for environmental impact statements should be followed unless there is a compelling reason to do otherwise:

- (1) Cover sheet*
- (2) Summary*
- (3) Table of Contents
- (4) Purpose of and Need for Action*
- (5) Alternatives including the proposed action*
- (6) Affected Environment*
- (7) Environmental Consequences and Mitigating Actions*
- (8) List of Preparers*
- (9) List of Agencies, Organizations and Persons to Whom Copies of the Statement are Sent
- (10) Substantive Comments Received and NRC Staff Responses
- (11) Index
- (12) Appendices (if any)*

If a different format is used, it shall include paragraphs (1), (2), (3), (8), (9), (10), and (11) of this section and shall include the substance of paragraphs (4), (5), (6), (7), and (12) of this section, in any appropriate format.

Additional guidance on the presentation of material under the format headings identified by an asterisk is set out in sections 2-9 of this appendix.

(b) The techniques of tiering and incorporation by reference described respectively in 40 CFR 1502.20 and 1508.28 and 40 CFR 1502.21²⁰ of CEQ's NEPA regulations may be used as appropriate to aid in the presentation of issues, eliminate repetition or reduce the size of an environmental impact statement. In appropriate circumstances, draft or final environmental impact statements prepared by other Federal agencies may be adopted in whole or in part in accordance with the procedures outlined in 40 CFR 1508.3²¹ of CEQ's NEPA regulations. In final environmental impact statements, material under the following format headings will normally be presented in less than 150 pages: Purpose of and Need for Action, Alternatives Including the Proposed Action, Affected Environment, and Environmental

Commenting

§ 51.124 Commission duty to comment.

It is the policy of the Commission to comment on draft environmental impact statements prepared by other Federal agencies, consistent with the provisions of 40 CFR 1503.2 and 1503.3.

Responsible Official

§ 51.125 Responsible official.

The Executive Director for Operations shall be responsible for overall review of NRC NEPA compliance, except for

²⁰ Tiering—40 CFR 1502.20, 40 CFR 1508.28;

Incorporation by reference—40 CFR 1502.21.

²¹ Adoption—40 CFR 1508.3.

Consequences and Mitigating Actions. For proposals of unusual scope or complexity, the material presented under these format headings may extend to 300 pages.

2. Cover sheet.

The cover sheet will not exceed one page. It will include:

(a) The name of the NRC office responsible for preparing the statement and a list of any cooperating agencies.

(b) The title of the proposed action that is the subject of the statement with a list of the states, counties or municipalities where the facility or other subject of the action is located, as appropriate.

(c) The name, address, and telephone number of the individual in NRC who can supply further information.

(d) A designation of the statement as a draft or final statement, or a draft or final supplement.

(e) A one paragraph abstract of the statement.

(f) For draft environmental impact statements, the date by which comments must be received. This date may be specified in the form of the following or a substantially similar statement:

"Comments should be filed no later than * days after the date on which the Environmental Protection Agency notice stating that the draft environmental impact statement has been filed with EPA is published in the Federal Register. Comments received after the expiration of the comment period will be considered if it is practical to do so but assurance of consideration of late comments cannot be given."

3. Summary.

Each environmental impact statement will contain a summary which adequately and accurately summarizes the statement. The summary will stress the major issues considered. The summary will discuss the areas of controversy, will identify any remaining issues to be resolved, and will present the major conclusions and recommendations. The summary will normally not exceed 15 pages.

4. Purpose of and need for action.

The statement will briefly describe and specify the purpose of the need for the proposed action. The alternative of no action will be discussed. In the case of nuclear power plants, consideration will be given to the potential impact of conservation measures in determining the demand for power and consequent need for additional generating capacity.

5. Alternatives including the proposed action.

This section is the heart of the environmental impact statement. It will present the environmental impacts of the proposal and the alternatives in comparative form. Where important to the comparative evaluation of alternatives, appropriate mitigating measures of the alternatives will be discussed. All reasonable alternatives will be identified. The range of alternatives discussed will encompass those proposed to be considered by the ultimate decisionmaker. An otherwise reasonable alternative will not be excluded from discussion solely on the

* The number of days in the comment period should be inserted. The minimum comment period is 45 days (see § 51.71.)

ground that it is not within the jurisdiction of the NRC.⁹⁹ The discussion of alternatives will take into account, without duplicating, the environmental information and analyses included in sections 4, 6, and 7. of this appendix.

In the draft environmental impact statement, this section will either include a preliminary recommendation on the action to be taken, or identify the alternatives under consideration.

In the final environmental impact statement, this section will include a final recommendation on the action to be taken.

6. Affected environment.

The environmental impact statement will succinctly describe the environment to be affected by the proposed action. Data and analyses in the statement will be commensurate with the importance of the impact, with less important material summarized, consolidated, or simply referenced. Effort and attention will be concentrated on important issues; useless bulk will be eliminated.

7. Environmental consequences and mitigating actions.

This section discusses the environmental consequences of alternatives, including the proposed actions and any mitigating actions which may be taken. Alternatives eliminated from detailed study will be identified and a discussion of those alternatives will be confined to a brief statement of the reasons why the alternatives were eliminated. The level of information for each alternative considered in detail will reflect the depth of analysis required for sound decisionmaking.

The discussion will include any adverse environmental effects which cannot be avoided should the alternative be implemented, the relationship between short-term uses of man's environment and the maintenance and enhancement of long-term productivity, and any irreversible or irretrievable commitments of resources which would be involved in the alternative should it be implemented. This section will include discussions of:

- Direct effects and their significance.
- Indirect effects and their significance.
- Possible conflicts between the alternative and the objectives of Federal, regional, State, and local (and in the case of a reservation, Indian tribe) land use plans, policies and controls for the area concerned.
- Means to mitigate adverse environmental impacts.

8. List of preparers.

The environmental impact statement will list the names and qualifications (expertise, experience, professional disciplines), of the persons who were primarily responsible for preparing the environmental impact statement or significant background papers. Persons responsible for making an independent evaluation of information submitted by the applicant or petitioner for rulemaking or others will be included in the list. Where possible, the persons who are responsible for a particular analysis, including analyses in background papers, will be identified.

⁹⁹ With respect to limitations on NRC's NEPA authority and responsibility imposed by the Federal Water Pollution Control Act Amendments of 1972, see §§ 51.50(c), 51.22(c)(17) and 51.71(d).

9. Appendices.

An appendix to an environmental impact statement will:

(a) Consist of material prepared in connection with an environmental impact statement (as distinct from material which is not so prepared and which is incorporated by reference (40 CFR 1502.21)).

(b) Normally consist of material which substantiates any analysis fundamental to the impact statement. Discussion of methodology used may be placed in an appendix.

(c) Normally be analytic.

(d) Be relevant to the decision to be made.

(e) Be circulated with the environmental impact statement or be readily available on request.

Discussion of Footnotes

28. Tiering.

40 CFR 1502.20 states:

"Agencies are encouraged to tier their environmental impact statements to eliminate repetitive discussions of the same issues and to focus on the actual issues ripe for decision at each level of environmental review (§ 1506.28). Whenever a broad environmental impact statement has been prepared (such as a program or policy statement) and a subsequent statement or environmental assessment is then prepared on an action included within the entire program or policy (such as a site specific action) the subsequent statement or environmental assessment need only summarize the issues discussed in the broader statement and incorporate discussions from the broader statement by reference and shall concentrate on the issues specific to the subsequent action. The subsequent document shall state the earlier document is available. Tiering may also be appropriate for different stages of actions. (Sec. 1506.28)."

40 CFR 1506.28 states:

"Tiering refers to the coverage of general matters in broader environmental impact statements (such as national program or policy statements) with subsequent narrower statements or environmental analyses (such as regional or basinwide, program statements or ultimately site-specific statements) incorporating by reference the general discussions and concentrating solely on the issues specific to the statement subsequently prepared. Tiering is appropriate when the sequence of statements or analyses is:

"(a) From a program, plan, or policy environmental impact statement to a program, plan, or policy statement or analysis of lesser scope or to a site-specific statement or analysis.

"(b) From an environmental impact statement on a specific action at an early stage (such as need and site selection) to a supplement (which is preferred) or a subsequent statement or analysis at a later stage (such as environmental mitigation). Tiering in such cases is appropriate when it helps the lead agency to focus on the issues which are ripe for decision and exclude from consideration issues already decided or not yet ripe."

Incorporation by reference. 40 CFR 1502.21 states:

"Agencies shall incorporate material into an environmental impact statement by reference when the effect will be to cut down on bulk without impeding agency and public review of the action. The incorporated

material shall be cited in the statement and its content briefly described. No material may be incorporated by reference unless it is reasonably available for inspection by potentially interested persons within the time allowed for comment. Material based on proprietary data which is itself not available for review and comment shall not be incorporated by reference."

29. *Adoption.*

40 CFR 1506.3 states:

"(a) An agency may adopt a Federal draft or final environmental impact statement or portion thereof provided that the statement or portion thereof meets the standards for an adequate statement under these regulations.

"(b) If the actions covered by the original environmental impact statement and the proposed action are substantially the same, the agency adopting another agency's statement is not required to recirculate it except as a final statement. Otherwise the adopting agency shall treat the statement as a draft and recirculate it (except as provided in paragraph (c) of this section).

"(c) A cooperating agency may adopt without recirculating the environmental impact statement of a lead agency when, after an independent review of the statement, the cooperating agency concludes that its comments and suggestions have been satisfied.

"(d) When an agency adopts a statement which is not final within the agency that prepared it, or when the action it assesses is the subject of a referral under part 1504, or when the statement's adequacy is the subject of a judicial action which is not final, the agency shall so specify."

40 CFR 932

RULES and REGULATIONS

**PART
60**

**DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTES
IN GEOLOGIC REPOSITORIES**

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58 FR 52406
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Subpart A—General Provisions

§ 60.1 Purpose and scope.

This part prescribes rules governing the licensing of the U.S. Department of Energy to receive and possess source, special nuclear, and byproduct material at a geologic repository operations area sited, constructed, or operated in accordance with the Nuclear Waste Policy Act of 1982. This part does not apply to any activity licensed under another part of this chapter. This part also gives notice to all persons who knowingly provide to any licensee, contractor, or subcontractor, components, equipment, materials, or other goods or services, that relate to a licensee's activities subject to this part, that they may be individually subject to NRC enforcement action for violation of § 60.11.

§ 60.2 Definitions.

As used in this part—

"Accessible environment" means: (1) The atmosphere, (2) the land surface, (3) surface water, (4) oceans, and (5) the portion of the lithosphere that is outside the controlled area.

"Affected Indian Tribe" means any Indian Tribe (1) within whose reservation boundaries a repository for high-level radioactive waste or spent fuel is proposed to be located; or (2) whose Federally defined possessory or usage rights to other lands outside of the reservation's boundaries arising out of Congressionally ratified treaties or other Federal law may be substantially and adversely affected by the locating of such a facility; *Provided*, That the Secretary of the Interior finds, upon the petition of the appropriate governmental officials of the Tribe, that such effects are both substantial and adverse to the Tribe.

"Anticipated processes and events" means those natural processes and events that are reasonably likely to occur during the period the intended performance objective must be achieved. To the extent reasonable in the light of the geologic record, it shall be assumed that those processes operating in the geologic setting during the Quaternary Period continue to operate but with the perturbations caused by the presence of emplaced radioactive waste superimposed thereon.

"Barrier" means any material or structure that prevents or substantially delays movement of water or radionuclides.

"Candidate area" means a geologic and hydrologic system within which a geologic repository may be located.

"Commencement of construction" means clearing of land, surface or subsurface excavation, or other substantial action that would adversely affect the environment of a site, but does not include changes desirable for the temporary use of the land for public recreational uses, site characterization activities, other preconstruction monitoring and investigation necessary to establish background information related to the suitability of a site or to the protection of environmental values, or procurement or manufacture of components of the geologic repository operations area.

"Commission" means the Nuclear Regulatory Commission or its duly authorized representatives.

"Containment" means the confinement of radioactive waste within a designated boundary.

"Controlled area" means a surface location, to be marked by suitable monuments, extending horizontally no more than 10 kilometers in any direction from the outer boundary of the underground facility, and the underlying subsurface, which area has been committed to use as a geologic repository and from which incompatible activities would be restricted following permanent closure.

"Director" means the Director of the Nuclear Regulatory Commission's Office of Nuclear Material Safety and Safeguards.

"Disposal" means the isolation of radioactive wastes from the accessible environment.

"Disturbed zone" means that portion of the controlled area the physical or chemical properties of which have changed as a result of underground facility construction or as a result of heat generated by the emplaced radioactive wastes such that the resultant change of properties may have

a significant effect on the performance of the geologic repository.

"DOE" means the U.S. Department of Energy or its duly authorized representatives.

"Engineered barrier system" means the waste packages and the underground facility.

"Geologic repository" means a system which is intended to be used for, or may be used for, the disposal of radioactive wastes in excavated geologic media. A geologic repository includes: (1) The geologic repository operations area, and (2) the portion of the geologic setting that provides isolation of the radioactive waste.

"Geologic repository operations area" means a high-level radioactive waste facility that is part of a geologic repository, including both surface and subsurface areas, where waste handling activities are conducted.

"Geologic setting" means the geologic, hydrologic, and geochemical systems of the region in which a geologic repository operations area is or may be located.

"Groundwater" means all water which occurs below the land surface.

"High-level radioactive waste" or "HLW" means: (1) Irradiated reactor fuel, (2) liquid wastes resulting from the operation of the first cycle solvent extraction system, or equivalent, and the concentrated wastes from subsequent extraction cycles, or equivalent, in a facility for reprocessing irradiated reactor fuel, and (3) solids into which such liquid wastes have been converted.

"HLW facility" means a facility subject to the licensing and related regulatory authority of the Commission pursuant to Sections 202(3) and 202(4) of the Energy Reorganization Act of 1974 (88 Stat 1244).¹

"Host rock" means the geologic medium in which the waste is emplaced.

"Important to safety," with reference to structures, systems, and components means those engineered structures, systems, and components essential to the prevention or mitigation of an accident that could result in a radiation dose to the whole body, or any organ, of 0.5 rem or greater at or beyond the nearest boundary of the unrestricted area at any time until the completion of permanent closure.

"Isolation" means inhibiting the transport of radioactive material so that

¹ These are DOE facilities used primarily for the receipt and storage of high-level radioactive wastes resulting from activities licensed under such Act [the Atomic Energy Act] and "Retrievable Surface Storage Facilities and other facilities authorized for the express purpose of subsequent long-term storage of high-level radioactive wastes generated by [DOE], which are not used for, or are part of, research and development activities."

amounts and concentrations of this material entering the accessible environment will be kept within prescribed limits.

"Permanent closure" means final backfilling of the underground facility and the sealing of shafts and boreholes.

"Performance confirmation" means the program of tests, experiments, and analyses which is conducted to evaluate the accuracy and adequacy of the information used to determine with reasonable assurance that the performance objectives for the period after permanent closure will be met.

"Public Document Room" means the place at 2120 L Street N.W., Washington, D.C., at which records of the Commission will ordinarily be made available for public inspection and any other place, the location of which has been published in the Federal Register, at which public records of the Commission pertaining to a particular geologic repository are made available for public inspection.

"Radioactive waste" or "waste" means HLW and other radioactive materials other than HLW that are received for emplacement in a geologic repository.

"Restricted area" means any area access to which is controlled by the licensee for purposes of protection of individuals from exposure to radiation and radioactive materials. "Restricted area" shall not include any areas used as residential quarters, although a separate room or rooms in a residential building may be set apart as a restricted area.

"Retrieval" means the act of intentionally removing radioactive waste from the underground location at which the waste had been previously emplaced for disposal.

"Saturated zone" means that part of the earth's crust beneath the regional water table in which all voids, large and small, are ideally filled with water under pressure greater than atmospheric.

"Site" means the location of the controlled area.

"Site characterization" means the program of exploration and research, both in the laboratory and in the field, undertaken to establish the geologic conditions and the ranges of those parameters of a particular site relevant to the procedures under this part. Site characterization includes borings, surface excavations, excavation of exploratory shafts, limited subsurface lateral excavations and borings, and in situ testing at depth needed to determine the suitability of the site for a geologic repository, but does not include preliminary borings and geophysical testing needed to decide whether site characterization should be undertaken.

"Unanticipated processes and events" means those processes and events affecting the geologic setting that are

judged not to be reasonably likely to occur during the period the intended performance objective must be achieved, but which are nevertheless sufficiently credible to warrant consideration. Unanticipated processes and events may be either natural processes or events or processes and events initiated by human activities other than those activities licensed under this part. Processes and events initiated by human activities may only be found to be sufficiently credible to warrant consideration if it is assumed that: (1) The monuments provided for by this part are sufficiently permanent to serve their intended purpose; (2) the value to future generations of potential resources within the site can be assessed adequately under the applicable provisions of this part; (3) an understanding of the nature of radioactivity, and an appreciation of its hazards, have been retained in some functioning institutions; (4) institutions are able to assess risk and to take remedial action at a level of social organization and technological competence equivalent to, or superior to, that which was applied in initiating the processes or events concerned; and (5) relevant records are preserved, and remain accessible, for several hundred years after permanent closure.

"Underground facility" means the underground structure, including openings and backfill materials, but excluding shafts, boreholes, and their seals.

"Unrestricted area" means any area access to which is not controlled by the licensee for purposes of protection of individuals from exposure to radiation and radioactive materials, and any area used for residential quarters.

"Unsaturation zone" means the zone between the land surface and the regional water table. Generally, fluid pressure in this zone is less than atmospheric pressure, and some of the voids may contain air or other gases at atmospheric pressure. Beneath flooded areas or in perched water bodies the fluid pressure locally may be greater than atmospheric.

"Waste form" means the radioactive waste materials and any encapsulating or stabilizing matrix.

"Waste package" means the waste form and any containers, shielding, packing and other absorbent materials immediately surrounding an individual waste container.

"Water table" means that surface in a groundwater body at which the water pressure is atmospheric.

§ 60.3 License required.

(a) DOE shall not receive or possess source, special nuclear, or byproduct material at a geologic repository operations area except as authorized by

a license issued by the Commission pursuant to this part.

(b) DOE shall not commence construction of a geologic repository operations area unless it has filed an application with the Commission and has obtained construction authorization as provided in this part. Failure to comply with this requirement shall be grounds for denial of a license

§ 60.4 Communications and records.

(a) Except where otherwise specified, all communications and reports concerning the regulations in this part and applications filed under them should be addressed to the Director of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555. Communications reports, and applications may be delivered in person at the Commission's offices at 2120 L Street NW., Washington DC, or 11555 Rockville Pike, Rockville, Maryland.

(b) Each record required by this part must be legible throughout the retention period specified by each Commission regulation. The record may be the original or a reproduced copy or a microform provided that the copy or microform is authenticated by authorized personnel and that the microform is capable of producing a clear copy throughout the required retention period. The record may also be stored in electronic media with the capability for producing legible, accurate, and complete records during the required retention period. Records such as letters, drawings, specifications must include all pertinent information such as stamps, initials, and signatures. The licensee shall maintain adequate safeguards against tampering with and loss of records.

§ 60.5 Interpretations.

Except as specifically authorized by the Commission, in writing, no interpretation of the meaning of the regulations in this part by any officer or employee of the Commission other than a written interpretation by the General Counsel will be considered binding upon the Commission.

§ 60.6 Exemptions.

The Commission may, upon application by DOE, any interested person, or upon its own initiative, grant such exemptions from the requirements of the regulations in this part as it determines are authorized by law, will not endanger life or property or the common defense and security, and are otherwise in the public interest.

§ 60.7 License not required for certain preliminary activities.

The requirement for a license set forth in § 60.3(a) of this part is not applicable to the extent that DOE receives and possesses source, special nuclear, and

48 FR 28194

53 FR 43419

48 FR 28194

50 FR 29641

48 FR 28194

48 FR 28194

50 FR 29641

48 FR 28194

46 FR 13971

46 FR 13971

53 FR 43419

53 FR 19240

46 FR 13971

by product material at a geologic repository:

- (a) For purposes of site characterization; or
- (b) For use, during site characterization or construction, as components of radiographic, radiation monitoring, or similar equipment or instrumentation.

§ 60.8 Reporting, recordkeeping, and application requirements: OMB approval not required.

The information collection requirements contained in this part affect fewer than ten persons. Therefore, under section 3506(c)(5) of the Paperwork Reduction Act of 1990 (Pub. L. 96-511), OMB clearance is not required for these information collection requirements.

§ 60.9 Employee protection.

(a) Discrimination by a Commission licensee, an applicant for a Commission license, or a contractor or subcontractor of a Commission licensee or applicant against an employee for engaging in certain protected activities is prohibited. Discrimination includes discharge and other actions that relate to compensation, terms, conditions, or privileges of employment. The protected activities are established in section 211 of the Energy Reorganization Act of 1974, as amended, and in general are related to the administration or enforcement of a requirement imposed under the Atomic Energy Act or the Energy Reorganization Act.

(1) The protected activities include but are not limited to:

(i) Providing the Commission or his or her employer information about alleged violations of either of the statutes named in paragraph (a) introductory text of this section or possible violations of requirements imposed under either of those statutes;

(ii) Refusing to engage in any practice made unlawful under either of the statutes named in paragraph (a) introductory text or under these requirements if the employee has identified the alleged illegality to the employer;

(iii) Requesting the Commission to institute action against his or her employer for the administration or enforcement of these requirements;

(iv) Testifying in any Commission proceeding, or before Congress, or at any Federal or State proceeding regarding any provision (or proposed provision) of either of the statutes named in paragraph (a) introductory text.

(v) Assisting or participating in, or is about to assist or participate in, these activities.

(2) These activities are protected even if no formal proceeding is actually initiated as a result of the employee assistance or participation.

(3) This section has no application to any employee alleging discrimination prohibited by this section who, acting without direction from his or her employer (or the employer's agent), deliberately causes a violation of any requirement of the Energy Reorganization Act of 1974, as amended, or the Atomic Energy Act of 1954, as amended.

(b) Any employee who believes that he or she has been discharged or otherwise discriminated against by any person for engaging in protected activities specified in paragraph (a)(1) of this section may seek a remedy for the discharge or discrimination through an administrative proceeding in the Department of Labor. The administrative proceeding must be initiated within 180 days after an alleged violation occurs. The employee may do this by filing a complaint alleging the violation with the Department of Labor, Employment Standards Administration, Wage and Hour Division. The Department of Labor may order reinstatement, back pay, and compensatory damages.

(c) A violation of paragraph (a), (e), or (f) of this section by a Commission licensee, an applicant for a Commission license, or a contractor or subcontractor of a Commission licensee or applicant may be grounds for—

(1) Denial, revocation, or suspension of the license.

(2) Imposition of a civil penalty on the licensee or applicant.

(3) Other enforcement action.

(d) Actions taken by an employer, or others, which adversely affect an employee may be predicated upon nondiscriminatory grounds. The prohibition applies when the adverse action occurs because the employee has engaged in protected activities. An employee's engagement in protected activities does not automatically render him or her immune from discharge or discipline for legitimate reasons or from adverse action dictated by nonprohibited considerations.

(e) Each licensee and each applicant for a license shall prominently post the revision of NRC Form 3, "Notice to Employees," referenced in 10 CFR 19.11(c). This form must be posted at locations sufficient to permit employees protected by this section to observe a copy on the way to or from their place of work. Premises must be posted not

later than 30 days after an application is docketed and remain posted while the application is pending before the Commission, during the term of the license, and for 30 days following license termination.

Note: Copies of NRC Form 3 may be obtained by writing to the Regional Administrator of the appropriate U.S. Nuclear Regulatory Commission Regional Office listed in appendix D to Part 20 of this chapter or by contacting the NRC Information and Records Management Branch (telephone no. 301-492-8138).

(f) No agreement affecting the compensation, terms, conditions, or privileges of employment, including an agreement to settle a complaint filed by an employee with the Department of Labor pursuant to section 211 of the Energy Reorganization Act of 1974, as amended, may contain any provision which would prohibit, restrict, or otherwise discourage an employee from participating in protected activity as defined in paragraph (a)(1) of this section including, but not limited to, providing information to the NRC or to his or her employer on potential violations or other matters within NRC's regulatory responsibilities.

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§ 60.10 Completeness and accuracy of information.

(a) Information provided to the Commission by an applicant for a license or by a licensee or information required by statute or by the Commission's regulations, orders, or license conditions to be maintained by the applicant or the licensee shall be complete and accurate in all material respects.

(b) Each applicant or licensee shall notify the Commission of information identified by the applicant or licensee as having for the regulated activity a significant implication for public health and safety or common defense and security. An applicant or licensee violates this paragraph only if the applicant or licensee fails to notify the Commission of information that the applicant or licensee has identified as having a significant implication for public health and safety or common defense and security. Notification shall be provided to the Administrator of the appropriate Regional Office within two working days of identifying the information. This requirement is not applicable to information which is already required to be provided to the Commission by other reporting or updating requirements.

§ 60.11 Deliberate misconduct.

(a) Any licensee or any employee of a licensee; and any contractor (including a supplier or consultant), subcontractor, or any employee of a contractor or subcontractor, of any licensee, who knowingly provides to any licensee, contractor, or subcontractor, components, equipment, materials, or other goods or services, that relate to a licensee's activities subject to this part; may not:

(1) Engage in deliberate misconduct that causes or, but for detection, would have caused, a licensee to be in violation of any rule, regulation, or order, or any term, condition, or limitation of any license, issued by the Commission, or

(2) Deliberately submit to the NRC, a licensee, or a licensee's contractor or subcontractor, information that the person submitting the information knows to be incomplete or inaccurate in some respect material to the NRC.

(b) A person who violates paragraph (a)(1) or (a)(2) of this section may be subject to enforcement action in accordance with the procedures in 10 CFR part 2, subpart B.

(c) For purposes of paragraph (a)(1) of this section, deliberate misconduct by a person means an intentional act or omission that the person knows:

(1) Would cause a licensee to be in violation of any rule, regulation, or order, or any term, condition, or limitation, of any license issued by the Commission, or

(2) Constitutes a violation of a requirement, procedure, instruction, contract, purchase order or policy of a licensee, contractor, or subcontractor.

Subpart B—Licenses**Preapplication Review****§ 60.15 Site characterization.**

(a) Prior to submittal of an application for a license to be issued under this part DOE shall conduct a program of site characterization with respect to the site to be described in such application.

(b) Unless the Commission determines with respect to the site described in the application that it is not necessary, site characterization shall include a program of in situ exploration and testing at the depths that wastes would be emplaced.

(c) The program of site characterization shall be conducted in accordance with the following:

(1) Investigations to obtain the required information shall be conducted in such a manner as to limit adverse effects on the long-term performance of the geologic repository to the extent practical.

(2) The number of exploratory boreholes and shafts shall be limited to the extent practical consistent with obtaining the information needed for site characterization.

(3) To the extent practical, exploratory boreholes and shafts in the geologic repository operations area shall be located where shafts are planned for underground facility construction and operation or where large unexcavated pillars are planned.

(4) Subsurface exploratory drilling, excavation, and in situ testing before and during construction shall be planned and coordinated with geologic repository operations area design and construction.

§ 60.16 Site characterization plan required.

Before proceeding to sink shafts at any area which has been approved by the President for site characterization, DOE shall submit to the Director, for review and comment, a site characterization plan for such area. DOE shall defer the sinking of such shafts until such time as there has been an opportunity for Commission comments thereon to have been solicited and considered by DOE.

§ 60.17 Contents of site characterization plan.

The site characterization plan shall contain—

(a) A general plan for site characterization activities to be conducted at the area to be characterized, which general plan shall include:

(1) A description of such area, including information on quality assurance programs that have been applied to the collection, recording, and retention of information used in preparing such description.

(2) A description of such site characterization activities, including the following—

(i) The extent of planned excavations;

(ii) Plans for any onsite testing with radioactive material, including radioactive tracers, or nonradioactive material;

(iii) Plans for any investigation activities that may affect the capability of such area to isolate high-level radioactive waste;

(iv) Plans to control any adverse impacts from such site characterization activities that are important to safety or that are important to waste isolation; and

(v) Plans to apply quality assurance to data collection, recording, and retention.

(3) Plans for the decontamination and decommissioning of such area, and for the mitigation of any significant adverse environmental impacts caused by site characterization activities, if such area is determined unsuitable for application for a construction authorization for a geologic repository operations area;

(4) Criteria, developed pursuant to section 112(a) of the Nuclear Waste Policy Act of 1982, to be used to determine the suitability of such area for the location of a geologic repository; and

(5) Any other information which the Commission, by rule or order, requires.

(b) A description of the possible waste form or waste package for the high-level radioactive waste to be emplaced in such geologic repository, a description (to the extent practicable) of the relationship between such waste form or waste package and the host rock at such area, and a description of the activities being conducted by DOE with

respect to such possible waste form or waste package or their relationship; and

(c) A conceptual design for the geologic repository operations area that takes into account likely site-specific requirements.

§ 60.18 Review of site characterization activities.²

(a) The Director shall cause to be published in the Federal Register a notice that a site characterization plan has been received from DOE and that a staff review of such plan has begun. The notice shall identify the area to be characterized and the NRC staff members to be consulted for further information.

(b) The Director shall make a copy of the site characterization plan available at the Public Document Room. The Director shall also transmit copies of the published notice of receipt to the Governor and legislature of the State in which the area to be characterized is located and to the governing body of any affected Indian Tribe. The Director shall provide an opportunity, with respect to any area to be characterized, for the State in which such area is located and for affected Indian Tribes to present their views on the site characterization plan and their suggestions with respect to comments thereon which may be made by NRC. In addition, the Director shall make NRC staff available to consult with States and affected Indian Tribes as provided in Subpart C of this part.

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(c) The Director shall review the site characterization plan and prepare a site characterization analysis with respect to such plan. In the preparation of such site characterization analysis, the Director may invite and consider the views of interested persons on DOE's site characterization plan and may review and consider comments made in connection with public hearings held by DOE.

(d) The Director shall provide to DOE the site characterization analysis together with such additional comments as may be warranted. These comments shall include either a statement that the Director has no objection to the DOE's site characterization program, if such a statement is appropriate, or specific objections with respect to DOE's program for characterization of the area concerned. In addition, the Director may make specific recommendations

² In addition to the review of site characterization activities specified in this section, the Commission contemplates an ongoing review of other information on site investigation and site characterization, in order to allow early identification of potential licensing issues for timely resolution. This activity will include, for example, a review of the environmental assessments prepared by DOE at the time of site nomination, and review of issues related to long lead time exploratory shaft planning and procurement actions by DOE prior to issuance of site characterization plans.

pertinent to DOE's site characterization program.

(e) If DOE's planned site characterization activities include onsite testing with radioactive material, including radioactive tracers, the Director's comments shall include a determination regarding whether or not the Commission concurs that the proposed use of such radioactive material is necessary to provide data for the preparation of the environmental reports required by law and for an application to be submitted under § 60.22 of this part.

(f) The Director shall publish in the Federal Register a notice of availability of the site characterization analysis and a request for public comment. A reasonable period, not less than 90 days, shall be allowed for comment. Copies of the site characterization analysis and of the comments received shall be made available at the Public Document Room

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(g) During the conduct of site characterization activities, DOE shall report not less than once every six months to the Commission on the nature and extent of such activities and the information that has been developed, and on the progress of waste form and waste package research and development. The semiannual reports shall include the results of site characterization studies, the identification of new issues, plans for additional studies to resolve new issues, elimination of planned studies no longer necessary, identification of decision points reached and modifications to schedules where appropriate. DOE shall also report its progress in developing the design of a geologic repository operations area appropriate for the area being characterized, noting when key design parameters or features which depend upon the results of site characterization will be established. Other topics related to site characterization shall also be covered if requested by the Director.

(h) During the conduct of site characterization activities, NRC staff shall be permitted to visit and inspect the locations at which such activities are carried out and to observe excavations, borings, and in situ tests as they are done.

(i) The Director may comment at any time in writing to DOE, expressing current views on any aspect of site characterization. In particular, such comments shall be made whenever the Director, upon review of comments invited on the site characterization analysis or upon review of DOE's semiannual reports, determines that there are substantial new grounds for

making recommendations or stating objections to DOE's site characterization program. The Director shall invite public comment on any comments which the Director makes to DOE upon review of the DOE semiannual reports or on any other comments which the Director makes to DOE on site characterization.

(j) The Director shall transmit copies of the site characterization analysis and all comments to DOE received by the Director under this section to the Governor and legislature of the State in which the area to be characterized is located and to the governing body of any affected Indian Tribe. When transmitting the site characterization analysis under this paragraph, the Director shall invite the addressees to review and comment thereon.

(k) All correspondence between DOE and the NRC under this section, including the reports described in paragraph (g), shall be placed in the Public Document Room.

(l) The activities described in paragraphs (a) through (k) of this section constitute informal conference between a prospective applicant and the staff, as described in § 2.101(a)(1) of this chapter, and are not part of a proceeding under the Atomic Energy Act of 1954, as amended. Accordingly, neither the issuance of a site characterization analysis nor any other comments of the Director made under this section constitutes a commitment to issue any authorization or license or in any way affect the authority of the Commission, the Atomic Safety and Licensing Appeal Board, Atomic Safety and Licensing Boards, other presiding officers, or the Director, in any such proceeding.

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the location of the geologic repository operations area, the general character of the proposed activities, and the basis for the exercise of licensing authority by the Commission.

(2) Proposed schedules for construction, receipt of waste, and emplacement of wastes at the proposed geologic repository operations area.

(3) A certification that DOE will provide at the geologic repository operations area such safeguards as it requires at comparable surface facilities (of DOE) to promote the common defense and security.

(4) A description of the physical security plan for protection against radiological sabotage. Since the radiation hazards associated with high-level wastes make them inherently unattractive as a target for theft or diversion, no detailed information need be submitted on protection against theft or diversion.

(5) A description of site characterization work actually conducted by DOE at all sites considered in the application and, as appropriate, explanations of why such work differed from the description of the site characterization program described in the Site Characterization Report for each site.

(c) The Safety Analysis Report shall include:

(1) A description and assessment of the site at which the proposed geologic repository operations area is to be located with appropriate attention to those features of the site that might affect geologic repository operations area design and performance. The description of the site shall identify the location of the geologic repository operations area with respect to the boundary of the accessible environment.

(i) The description of the site shall also include the following information regarding subsurface conditions. This description shall, in all cases, include such information with respect to the controlled area. In addition, where subsurface conditions outside the controlled area may affect isolation within the controlled area, the description shall include such information with respect to subsurface conditions outside the controlled area to the extent such information is relevant and material. The detailed information referred to in this paragraph shall include—

(A) The orientation, distribution, aperture in-filling and origin of fractures, discontinuities, and heterogeneities;

(B) The presence and characteristics of other potential pathways such as solution features, breccia pipes, or other potentially permeable features;

(C) The geomechanical properties and conditions, including pore pressure and

ambient stress conditions;

(D) The hydrogeologic properties and conditions;

(E) The geochemical properties; and
(F) The anticipated response of the geomechanical, hydrogeologic, and geochemical systems to the maximum design thermal loading, given the pattern of fractures and other discontinuities and the heat transfer properties of the rock mass and groundwater.

(ii) The assessment shall contain—

(A) An analysis of the geology, geophysics, hydrogeology, geochemistry, climatology, and meteorology of the site.

(B) Analyses to determine the degree to which each of the favorable and potentially adverse conditions, if present, has been characterized, and the extent to which it contributes to or detracts from isolation. For the purpose of determining the presence of the potentially adverse conditions, investigations shall extend from the surface to a depth sufficient to determine critical pathways for radionuclide migration from the underground facility to the accessible environment. Potentially adverse conditions shall be investigated outside of the controlled area if they affect isolation within the controlled area.

(C) An evaluation of the performance of the proposed geologic repository for the period after permanent closure, assuming anticipated processes and events, giving the rates and quantities of releases of radionuclides to the accessible environment as a function of time; and a similar evaluation which assumes the occurrence of unanticipated processes and events.

(D) The effectiveness of engineered and natural barriers, including barriers that may not be themselves a part of the geologic repository operations area, against the release of radioactive material to the environment. The analysis shall also include a comparative evaluation of alternatives to the major design features that are important to waste isolation, with particular attention to the alternatives that would provide longer radionuclide containment and isolation.

(E) An analysis of the performance of the major design structures, systems, and components, both surface and subsurface, to identify those that are important to safety. For the purposes of this analysis, it shall be assumed that operations at the geologic repository operations area will be carried out at the maximum capacity and rate of receipt of radioactive waste stated in the application.

(F) An explanation of measures used to support the models used to perform the assessments required in paragraphs (A) through (D). Analyses and models

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License Applications

§ 60.21 Content of application.

(a) An application shall consist of general information and a Safety Analysis Report. An environmental impact statement shall be prepared in accordance with the Nuclear Waste Policy Act of 1982, as amended, and shall accompany the application. Any Restricted Data or National Security Information shall be separated from unclassified information.

(b) The general information shall include:

(1) A general description of the proposed geologic repository identifying

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that will be used to predict future conditions and changes in the geologic setting shall be supported by using an appropriate combination of such methods as field tests, in situ tests, laboratory tests which are representative of field conditions, monitoring data, and natural analog studies.

(2) A description and discussion of the design, both surface and subsurface, of the geologic repository operations area including: (i) the principal design criteria and their relationship to any general performance objectives promulgated by the Commission, (ii) the design bases and the relation of the design bases to the principal design criteria, (iii) information relative to materials of construction (including geologic media, general arrangement, and approximate dimensions), and (iv) codes and standards that DOE proposes to apply to the design and construction of the geologic repository operations area.

(3) A description and analysis of the design and performance requirements for structures, systems, and components of the geologic repository which are important to safety. This analysis shall consider—(i) The margins of safety under normal conditions and under conditions that may result from anticipated operational occurrences, including those of natural origin; and (ii) the adequacy of structures, systems, and components provided for the prevention of accidents and mitigation of the consequences of accidents, including those caused by natural phenomena.

(4) A description of the quality assurance program to be applied to the structures, systems, and components important to safety and to the engineered and natural barriers important to waste isolation.

(5) A description of the kind, amount, and specifications of the radioactive material proposed to be received and possessed at the geologic repository operations area.

(6) An identification and justification for the selection of those variables, conditions, or other items which are determined to be probable subjects of license specifications. Special attention shall be given to those items that may significantly influence the final design.

(7) A description of the program for control and monitoring of radioactive effluents and occupational radiation exposures to maintain such effluents and exposures in accordance with the requirements of Part 20 of this chapter.

(8) A description of the controls that the applicant will apply to restrict access and to regulate land use at the site and adjacent areas, including a conceptual design of monuments which would be used to identify the controlled area after permanent closure.

(9) Plans for coping with radiological emergencies at any time prior to permanent closure and decontamination or dismantlement of surface facilities.

(10) A description of the nuclear material control and accounting program.

(11) A description of design considerations that are intended to facilitate permanent closure and decontamination or dismantlement of surface facilities.

(12) A description of plans for retrieval and alternate storage of the radioactive wastes should the geologic repository prove to be unsuitable for disposal of radioactive wastes.

(13) An identification and evaluation of the natural resources of the geologic setting, including estimates as to undiscovered deposits, the exploitation of which could affect the ability of the geologic repository to isolate radioactive wastes. Undiscovered deposits of resources characteristic of the area shall be estimated by reasonable inference based on geological and geophysical evidence. This evaluation of resources, including undiscovered deposits, shall be conducted for the site and for areas of similar size that are representative of and are within the geologic setting. For natural resources with current markets the resources shall be assessed, with estimates provided of both gross and net value. The estimate of net value shall take into account current development, extraction and marketing costs. For natural resources without current markets, but which would be marketable given credible projected changes in economic or technological factors, the resources shall be described by physical factors such as tonnage or other amount, grade, and quality.

(14) An identification of those structures, systems, and components of the geologic repository, both surface and subsurface, which require research and development to confirm the adequacy of design. For structures, systems, and components important to safety and for the engineered and natural barriers important to waste isolation, DOE shall provide a detailed description of the programs designed to resolve safety questions, including a schedule indicating when these questions would be resolved.

(15) The following information concerning activities at the geologic repository operations area:

(i) The organizational structure of DOE as it pertains to construction and operation of the geologic repository operations area including a description of any delegations of authority and assignments of responsibilities, whether in the form of regulations,

administrative directives, contract provisions, or otherwise.

(ii) Identification of key positions which are assigned responsibility for safety at and operation of the geologic repository operations area.

(iii) Personnel qualifications and training requirements.

(iv) Plans for startup activities and startup testing.

(v) Plans for conduct of normal activities, including maintenance, surveillance, and periodic testing of structures, systems, and components of the geologic repository operation area.

(vi) Plans for permanent closure and plans for the decontamination or dismantlement of surface facilities.

(vii) Plans for any uses of the geologic repository operations area for purposes other than disposal of radioactive wastes, with an analysis of the effects, if any, that such uses may have upon the operation of the structures, systems, and components important to safety and the engineered and natural barriers important to waste isolation.

§ 60.22 Filing and distribution of application.

(a) An application for a license to receive and possess source, special nuclear, or byproduct material at a geologic repository operations area at a site which has been characterized, and any amendments thereto, and an accompanying environmental impact statement and any supplements, shall be signed by the Secretary of Energy or the Secretary's authorized representative and shall be filed in triplicate with the Director.

(b) Each portion of such application and any amendments, and each environmental impact statement and any supplements, shall be accompanied by 30 additional copies. Another 120 copies shall be retained by DOE for distribution in accordance with written instructions from the Director or the Director's designee.

(c) DOE shall, upon notification of the appointment of an Atomic Safety and Licensing Board, update the application, eliminating all superseded information, and supplement the environmental impact statement if necessary, and serve the updated application and environmental impact statement (as it may have been supplemented) as directed by the Board. At that time DOE shall also serve one such copy of the application and environmental impact statement on the Atomic Safety and Licensing Appeal Panel. Any subsequent amendments to the application or supplements to the environmental impact statement shall be served in the same manner.

(d) At the time of filing of an application and any amendments thereto, one copy shall be made

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available in an appropriate location near the proposed geologic repository operations area (which shall be a public document room, if one has been established) for inspection by the public and updated as amendments to the application are made. The environmental impact statement and any supplements thereto shall be made available in the same manner. An updated copy of the application, and the environmental impact statement and supplements, shall be produced at any public hearing held by the Commission on the application, for use by any party to the proceeding.

(e) The DOE shall certify that the updated copies of the application, and the environmental impact statement as it may have been supplemented, as referred to in paragraphs (c) and (d) of this section, contain the current contents of such documents submitted in accordance with the requirements of this part.

§ 60.23 Elimination of repetition.

In its application, environmental report or Site Characterization Report the DOE may incorporate by reference information contained in previous applications, statements, or reports filed with the Commission PROVIDED that such references are clear and specific and that copies of the information so incorporated are available in the public document room located near the site of the proposed geologic repository

§ 60.24 Updating of application and environmental impact statement.

(a) The application shall be as complete as possible in the light of information that is reasonably available at the time of docketing.

(b) The DOE shall update its application in a timely manner so as to permit the Commission to review prior to issuance of a license

(1) Additional geologic, geophysical, geochemical, hydrologic, meteorologic and other data obtained during construction

(2) Conformance of construction of structures, systems and components with the design

(3) Results of research programs carried out to confirm the adequacy of designs

(4) Other information bearing on the Commission's issuance of a license that was not available at the time a construction authorization was issued

(c) The DOE shall supplement its environmental impact statement in a timely manner so as to take into account the environmental impacts of any substantial changes in its proposed actions or any significant new circumstances or information relevant to environmental concerns and bearing on the proposed action or its impacts.

Construction Authorization

§ 60.31 Construction authorization.

Upon review and consideration of an application and environmental impact statement submitted under this part, the Commission may authorize construction if it determines:

(a) *Safety.* That there is reasonable assurance that the types and amounts of radioactive materials described in the application can be received, possessed, and disposed of in a geologic repository operations area of the design proposed without unreasonable risk to the health and safety of the public. In arriving at this determination, the Commission shall consider whether:

(1) DOE has described the proposed geologic repository including but not limited to: (i) The geologic, geophysical, geochemical and hydrologic characteristics of the site; (ii) the kinds and quantities of radioactive waste to be received, possessed, stored, and disposed of in the geologic repository operations area; (iii) the principal architectural and engineering criteria for the design of the geologic repository operations area; (iv) construction procedures which may affect the capability of the geologic repository to serve its intended function; and (v) features or components incorporated in the design for the protection of the health and safety of the public.

(2) The site and design comply with the performance objectives and criteria contained in Subpart E of this part.

(3) The DOE's quality assurance program complies with the requirements of Subpart G of this part.

(4) The DOE's personnel training program complies with the criteria contained in Subpart H of this part.

(5) The DOE's emergency plan complies with the criteria contained in Subpart I of this part.

(6) The DOE's proposed operating procedures to protect health and to minimize danger to life or property are adequate.

(b) *Common defense and security.* That there is reasonable assurance that the activities proposed in the application will not be inimical to the common defense and security. A DOE certification that it will provide at the geologic repository operations area such safeguards as it requires at comparable DOE surface facilities to promote the common defense and security will constitute a rebuttable presumption of noninimicality to the common defense and security.

(c) *Environmental.* That, after weighing the environmental, economic, technical and other benefits against environmental costs and considering available alternatives, the action called for is issuance of the construction

authorization, with any appropriate conditions to protect environmental values.

§ 60.32 Conditions of construction authorization.

(a) A construction authorization shall include such conditions as the Commission finds to be necessary to protect the health and safety of the public, the common defense and security, or environmental values.

(b) The Commission will incorporate in the construction authorization provisions requiring DOE to furnish periodic or special reports regarding: (1) Progress of construction, (2) any data about the site obtained during construction which are not within the predicted limits upon which the facility design was based, (3) any deficiencies in design and construction which, if uncorrected, could adversely affect safety at any future time, and (4) results of research and development programs being conducted to resolve safety questions.

(c) The construction authorization will include restrictions on subsequent changes to the features of the geologic repository and the procedures authorized. The restrictions that may be imposed under this paragraph can include measures to prevent adverse effects on the geologic setting as well as measures related to the design and construction of the geologic repository operations area. These restrictions will fall into three categories of descending importance to public health and safety as follows: (1) Those features and procedures which may not be changed without: (i) 60 days prior notice to the Commission (ii) 30 days notice of opportunity for a prior hearing, and (iii) prior Commission approval; (2) those features and procedures which may not be changed without (i) 60 days prior notice to the Commission, and (ii) prior Commission approval; and (3) those features and procedures which may not be changed without 60 days notice to the Commission. Features and procedures falling in paragraph (c)(3) of this section may not be changed without prior Commission approval if the Commission, after having received the required notice, so orders.

(d) A construction authorization shall be subject to the limitation that a license to receive and possess source, special nuclear, or byproduct material at the geologic repository operations area shall not be issued by the Commission until (1) the DOE has updated its application as specified in § 60.24, and (2) the Commission has made the findings stated in § 60.41.

§ 60.33 Amendment of construction authorization.

(a) An application for amendment of a construction authorization shall be filed with the Commission fully describing any changes desired and following as far as applicable the format prescribed in § 60.21.

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(b) In determining whether an amendment of a construction authorization will be approved, the Commission will be guided by the considerations which govern the issuance of the initial construction authorization, to the extent applicable.

License Issuance and Amendment

§ 60.41 Standards for issuance of a license.

A license to receive and possess source, special nuclear, or byproduct material at a geologic repository operations area may be issued by the Commission upon finding that:

(a) Construction of the geologic repository operations area has been substantially completed in conformity with the application as amended, the provisions of the Atomic Energy Act, and the rules and regulations of the Commission. Construction may be deemed to be substantially complete for the purposes of this paragraph if the construction of (1) surface and interconnecting structures, systems, and components, and (2) any underground storage space required for initial operation are substantially complete.

(b) The activities to be conducted at the geologic repository operations area will be in conformity with the application as amended, the provisions of the Atomic Energy Act and the Energy Reorganization Act, and the rules and regulations of the Commission.

(c) The issuance of the license will not be inimical to the common defense and security and will not constitute an unreasonable risk to the health and safety of the public. A DOE certification that it will provide at the geologic repository operations area such safeguards as it requires at comparable DOE facilities to promote the common defense and security, will constitute a rebuttable presumption of non-inimicality to the common defense and security.

(d) All applicable requirements of Part 51 have been satisfied.

§ 60.42 Conditions of license.

(a) A license issued pursuant to this part shall include such conditions, including license specifications, as the Commission finds to be necessary to protect the health and safety of the

public, the common defense and security, and environmental values.

(b) Whether stated therein or not, the following shall be deemed conditions in every license issued:

(1) The license shall be subject to revocation, suspension, modification, or amendment for cause as provided by the Atomic Energy Act and the Commission's regulations.

(2) The DOE shall at any time while the license is in effect, upon written request of the Commission, submit written statements to enable the Commission to determine whether or not the license should be modified, suspended or revoked.

(3) The license shall be subject to the provisions of the Atomic Energy Act now or hereafter in effect and to all rules, regulations, and orders of the Commission. The terms and conditions of the license shall be subject to amendment, revision, or modification, by reason of amendments to or by reason of rules, regulations, and orders issued in accordance with the terms of the Atomic Energy Act.

(c) Each license shall be deemed to contain the provisions set forth in Section 183 b-d, inclusive, of the Atomic Energy Act, whether or not these provisions are expressly set forth in the license.

§ 60.43 License specifications.

(a) A license issued under this part shall include license conditions derived from the analyses and evaluations included in the application, including amendments made before a license is issued, together with such additional conditions as the Commission finds appropriate.

(b) License conditions shall include items in the following categories—

(1) Restrictions as to the physical and chemical form and radioisotopic content of radioactive waste.

(2) Restrictions as to size, shape, and materials and methods of construction of radioactive waste packaging.

(3) Restrictions as to the amount of waste permitted per unit volume of storage space considering the physical characteristics of both the waste and the host rock.

(4) Requirements relating to test, calibration, or inspection to assure that the foregoing restrictions are observed.

(5) Controls to be applied to restricted access and to avoid disturbance to the controlled area and to areas outside the controlled area where conditions may affect isolation within the controlled area.

(6) Administrative controls, which are the provisions relating to organization and management, procedures, recordkeeping, review and audit, and reporting necessary to assure that activities at the facility are conducted in a safe manner and in conformity with the other license specifications.

§ 60.44 Changes, tests, and experiments.

(a)(1) Following authorization to receive and possess source, special nuclear, or byproduct material at a geologic repository operations area, the DOE may (i) make changes in the geologic repository operations area as described in the application, (ii) make changes in the procedures as described in the application and (iii) conduct tests or experiments not described in the application, without prior Commission approval, provided the change, test, or experiment involves neither a change in the license conditions incorporated in the license nor an unreviewed safety question.

(2) A proposed change, test, or experiment shall be deemed to involve an unreviewed safety question if (i) the likelihood of occurrence or the consequences of an accident or malfunction of equipment important to safety previously evaluated in the application is increased, (ii) the possibility of an accident or malfunction of a different type than any previously evaluated in the application is created, or (iii) the margin of safety as defined in the basis for any license condition is reduced.

(b) The DOE shall maintain records of changes in the geologic repository operations area and of changes in procedures made pursuant to this section, to the extent that such changes constitute changes in the geologic repository operations area or procedures as described in the application. Records of tests and experiments carried out pursuant to paragraph (a) of this section shall also be maintained. These records shall include a written safety evaluation which provides the basis for the determination that the change, test, or experiment does not involve an unreviewed safety question. The DOE shall prepare annually, or at such shorter intervals as may be specified in the license, a report containing a brief description of such changes, tests, and experiments, including a summary of the safety evaluation of each. The DOE shall furnish the report to the appropriate NRC Regional Office shown

in Appendix D of Part 20 of this chapter with a copy to the Director, Office of Nuclear Material Safety and Safeguards U.S. Nuclear Regulatory Commission, Washington, D.C. 20555. Any report submitted pursuant to this paragraph shall be made a part of the public record of the licensing proceedings.

§ 60.45 Amendment of license.

(a) An application for amendment of a license may be filed with the Commission fully describing the changes desired and following as far as applicable the format prescribed for license applications.

(b) In determining whether an amendment of a license will be approved, the Commission will be guided by the considerations that govern the issuance of the initial license, to the extent applicable.

§ 60.46 Particular activities requiring license amendment.

(a) Unless expressly authorized in the license, an amendment of the license shall be required with respect to any of the following activities—

- (1) Any action which would make emplaced high-level radioactive waste irretrievable or which would substantially increase the difficulty of retrieving such emplaced waste.
- (2) Dismantling of structures.

(3) Removal or reduction of controls applied to restrict access to or avoid disturbance of the controlled area and to areas outside the controlled area where conditions may affect isolation within the controlled area.

(4) Destruction or disposal of records required to be maintained under the provisions of this part.

(5) Any substantial change to the design or operating procedures from that specified in the license.

(6) Permanent closure.

(7) Any other activity involving an unreviewed safety question.

(b) An application for such an amendment shall be filed, and shall be reviewed, in accordance with the provisions of § 60.45.

Permanent Closure

§ 60.51 License amendment for permanent closure.

(a) DOE shall submit an application to amend the license prior to permanent closure. The submission shall consist of an update of the license application submitted under §§ 60.21 and 60.22, including:

(1) A description of the program for post-permanent closure monitoring of the geologic repository.

(2) A detailed description of the measures to be employed—such as land use controls, construction of monuments, and preservation of records—to regulate or prevent activities that could impair the long-term isolation of emplaced waste within the geologic repository and to assure that relevant information will be preserved for the use of future generations. As a minimum, such measures shall include—

(i) Identification of the controlled area and geologic repository operations area by monuments that have been designed, fabricated, and emplaced to be as permanent as is practicable; and

(ii) Placement of records in the archives and land record systems of local State, and Federal government agencies, and archives elsewhere in the world, that would be likely to be consulted by potential human intruders—such records to identify the location of the geologic repository operations area, including the underground facility, boreholes and shafts, and the boundaries of the controlled area, and the nature and hazard of the waste.

(3) Geologic, geophysical, geochemical, hydrologic, and other site data that are obtained during the operational period pertinent to the long-term isolation of emplaced radioactive wastes.

(4) The results of tests, experiments, and any other analyses relating to backfill of excavated areas, shaft sealing, waste interaction with the host rock, and any other tests, experiments, or analyses pertinent to the long-term isolation of emplaced wastes within the geologic repository.

(5) Any substantial revision of plans for permanent closure.

(6) Other information bearing upon permanent closure that was not available at the time a license was issued.

(b) If necessary, so as to take into account the environmental impact of any substantial changes in the permanent closure activities proposed to be carried out or any significant new information regarding the environmental impacts of such closure, DOE shall also supplement its environmental impact statement and submit such statement, as supplemented, with the application for license amendment.

§ 60.52 Termination of license.

(a) Following permanent closure and the decontamination or dismantlement of surface facilities, DOE may apply for an amendment to terminate the license.

(b) Such application shall be filed, and will be reviewed, in accordance with the provisions of § 60.45 and this section.

(c) A license shall be terminated only

when the Commission finds with respect to the geologic repository:

(1) That the final disposition of radioactive wastes has been made in conformance with the DOE's plan, as amended and approved as part of the license.

(2) That the final state of the geologic repository operations area conforms to DOE's plans for permanent closure and DOE's plans for the decontamination or dismantlement of surface facilities, as amended and approved as part of the license.

(3) That the termination of the license is authorized by law, including Sections 57, 62, and 81 of the Atomic Energy Act, as amended.

Subpart C—Participation by State Governments and Affected Indian Tribes

§ 60.61 Provision of information.

(a) The Director shall provide to the Governor and legislature of any State in which a geologic repository operations area is or may be located, and to the governing body of any affected Indian Tribe, timely and complete information regarding determinations or plans made by the Commission with respect to the site characterization, siting, development, design, licensing, construction, operation, regulation, permanent closure, or decontamination and dismantlement of surface facilities, of such geologic repository operations area.

(b) For purposes of this section, a geologic repository operations area shall be considered to be one which "may be located" in a State if the location thereof in such State has been described in a site characterization plan submitted to the Commission under this part.

(c) Notwithstanding paragraph (a) of this section, the Director is not required to distribute any document to any entity if, with respect to such document, that entity or its counsel is included on a service list prepared pursuant to Part 2 of this chapter.

(d) Copies of all communications by the Director under this section shall be placed in the Public Document Room, and copies thereof shall be furnished to DOE.

§ 60.62 Site review.

(a) Whenever an area has been approved by the President for site characterization, and upon request of a State or an affected Indian Tribe, the Director shall make NRC staff available to consult with representatives of such States and Tribes.

(b) Requests for consultation shall be made in writing to the Director.

(c) Consultation under this section may include:

(1) Keeping the parties informed of the

Director's views on the progress of site characterization.

(2) Review of applicable NRC regulations, licensing procedures, schedules, and opportunities for State and Tribe participation in the Commission's regulatory activities.

(3) Cooperation in development of proposals for State and Tribe participation in license reviews.

§ 60.63 Participation in license reviews.

(a) State and local governments and affected Indian Tribes may participate in license reviews as provided in Subpart G of Part 2 of this chapter. A State in which a repository for high-level radioactive waste is proposed to be located and any affected Indian Tribe shall have an unquestionable legal right to participate as a party in such proceedings.

(b) In addition, whenever an area has been approved by the President for site characterization, a State or an affected Indian Tribe may submit to the Director a proposal to facilitate its participation in the review of a site characterization plan and/or license application. The proposal may be submitted at any time and shall contain a description and schedule of how the State or affected Indian Tribe wishes to participate in the review, or what services or activities the State or affected Indian Tribe wishes NRC to carry out, and how the services or activities proposed to be carried out by NRC would contribute to such participation. The proposal may include educational or information services (seminars, public meetings) or other actions on the part of NRC, such as establishing additional public document rooms or employment or exchange of State personnel under the Intergovernmental Personnel Act.

(c) The Director shall arrange for a meeting between the representatives of the State or affected Indian Tribe and the NRC staff to discuss any proposal submitted under paragraph (b) of this section, with a view to identifying any modifications that may contribute to the effective participation by such State or Tribe.

(d) Subject to the availability of funds, the Director shall approve all or any part of a proposal, as it may be modified through the meeting described above, if it is determined that:

(1) The proposed activities are suitable in light of the type and magnitude of impacts which the State or affected Indian Tribe may bear;

(2) The proposed activities:

(i) Will enhance communications between NRC and the State or affected Indian Tribe;

(ii) Will make a productive and timely contribution to the review; and

(iii) Are authorized by law.

(e) The Director will advise the State

or affected Indian Tribe whether its proposal has been accepted or denied, and if all or any part of proposal is denied, the Director shall state the reason for the denial.

(f) Proposals submitted under this section, and responses thereto, shall be made available at the Public Document Room.

§ 60.64 Notice to States.

If the Governor and legislature of a State have jointly designated on their behalf a single person or entity to receive notice and information from the Commission under this part, the Commission will provide such notice and information to the jointly designated person or entity instead of the Governor and legislature separately.

§ 60.65 Representation.

Any person who acts under this subpart as a representative for a State (or for the Governor or legislature thereof) or for an affected Indian Tribe shall include in the request or other submission, or at the request of the Commission, a statement of the basis of his or her authority to act in such representative capacity.

Subpart D—Records, Reports, Tests, and Inspections

§ 60.71 Records and reports.

(a) DOE shall maintain such records and make such reports in connection with the licensed activity as may be required by the conditions of the license or by rules, regulations, and orders of the Commission as authorized by the Atomic Energy Act and the Energy Reorganization Act.

(b) Records of the receipt, handling, and disposition of radioactive waste at a geologic repository operations area shall contain sufficient information to provide a complete history of the movement of the waste from the shipper through all phases of storage and disposal. DOE shall retain these records in a manner that ensures their useability for future generations in accordance with § 60.51(a)(2).

§ 60.72 Construction records.

(a) DOE shall maintain records of construction of the geologic repository operations area in a manner that ensures their useability for future generations in accordance with § 60.51(a)(2).

(b) The records required under paragraph (a) shall include at least the following—

(1) Surveys of the underground facility excavations, shafts, and boreholes referenced to readily identifiable surface features or monuments;

(2) A description of the materials encountered;

(3) Geologic maps and geologic cross sections;

(4) Locations and amount of seepage;

(5) Details of equipment, methods,

progress, and sequence of work;

(6) Construction problems;

(7) Anomalous conditions encountered;

(8) Instrument locations, readings, and analysis;

(9) Location and description of structural support systems;

(10) Location and description of dewatering systems; and

(11) Details, methods of emplacement, and location of seals used.

§ 60.73 Reports of deficiencies.

DOE shall promptly notify the Commission of each deficiency found in the characteristics of the site, and design and construction of the geologic repository operations area which, were it to remain uncorrected, could: (a) Be a substantial safety hazard, (b) represent a significant deviation from the design criteria and design bases stated in the application, or (c) represent a deviation from the conditions stated in the terms of a construction authorization or the license, including license specifications. The notification shall be in the form of a written report, copies of which shall be sent to the Director and to the appropriate Nuclear Regulatory Commission Regional Office listed in Appendix D of Part 20 of this chapter.

§ 60.74 Tests.

(a) DOE shall perform, or permit the Commission to perform, such tests as the Commission deems appropriate or necessary for the administration of the regulations in this part. These may include tests of: (1) Radioactive waste, (2) the geologic repository including its structures, systems, and components, (3) radiation detection and monitoring instruments, and (4) other equipment and devices used in connection with the receipt, handling, or storage of radioactive waste.

(b) The tests required under this section shall include a performance confirmation program carried out in accordance with Subpart F of this part.

§ 60.75 Inspections.

(a) DOE shall allow the Commission to inspect the premises of the geologic repository operations area and adjacent areas to which DOE has rights of access.

(b) DOE shall make available to the Commission for inspection, upon reasonable notice, records kept by DOE pertaining to activities under this part.

(c)(1) DOE shall upon requests by the Director, Office of Nuclear Material Safety and Safeguards

provide rent-free office space for the exclusive use of the Commission inspection personnel. Heat, air-conditioning, light, electrical outlets and janitorial services shall be furnished by DOE. The office shall be convenient to and have full access to the facility and shall provide the inspector both visual and acoustic privacy.

(2) The space provided shall be adequate to accommodate a full-time inspector, a part-time secretary and transient NRC personnel and will be generally commensurate with other office facilities at the geologic repository operations area. A space of 250 square feet either within the geologic repository operations area's office complex or in an office trailer or other onsite space at the geologic repository operations area is suggested as a guide. For locations at which activities are carried out under licenses issued under other parts of this chapter, additional space may be requested to accommodate additional full-time inspectors. The Office space that is provided shall be subject to the approval of the Director, Office of Nuclear Material Safety and Safeguards. All furniture, supplies and communication equipment will be furnished by the Commission.

(3) DOE shall afford any NRC resident inspector assigned to that location, or other NRC inspectors identified by the Regional Administrator as likely to inspect the facility, immediate unfettered access, equivalent to access provided regular employees, following proper identification and compliance with applicable access control measures for security, radiological protection and personal safety.

Subpart E—Technical Criteria

§ 60.101 Purpose and nature of findings.

(a)(1) Subpart B of this part prescribes the standards for issuance of a license to receive and possess source, special nuclear, or byproduct material at a geologic repository operations area. In particular, § 60.41(c) requires a finding that the issuance of a license will not constitute an unreasonable risk to the health and safety of the public. The purpose of this subpart is to set out performance objectives and site and design criteria which, if satisfied, will support such a finding of no unreasonable risk.

(2) While these performance objectives and criteria are generally stated in unqualified terms, it is not expected that complete assurance that they will be met can be presented. A

reasonable assurance, on the basis of the record before the Commission, that the objectives and criteria will be met is the general standard that is required. For § 60.112, and other portions of this subpart that impose objectives and criteria for repository performance over long times into the future, there will inevitably be greater uncertainties. Proof of the future performance of engineered barrier systems and the geologic setting over time periods of many hundreds or many thousands of years is not to be had in the ordinary sense of the word. For such long-term objectives and criteria, what is required is reasonable assurance, making allowance for the time period, hazards, and uncertainties involved, that the outcome will be in conformance with those objectives and criteria. Demonstration of compliance with such objectives and criteria will involve the use of data from accelerated tests and predictive models that are supported by such measures as field and laboratory tests, monitoring data and natural analog studies.

(b) Subpart B of this part also lists findings that must be made in support of an authorization to construct a geologic repository operations area. In particular, § 60.31(a) requires a finding that there is reasonable assurance that the types and amounts of radioactive materials described in the application can be received, possessed, and disposed of in a geologic repository operations area of the design proposed without unreasonable risk to the health and safety of the public. As stated in that paragraph, in arriving at this determination, the Commission will consider whether the site and design comply with the criteria contained in this subpart. Once again, while the criteria may be written in unqualified terms, the demonstration of compliance may take uncertainties and gaps in knowledge into account, provided that the Commission can make the specified finding of reasonable assurance as specified in paragraph (a) of this section.

§ 60.102 Concepts.

This section provides a functional overview of Subpart E. In the event of any inconsistency with definitions found in § 60.2, those definitions shall prevail.

(a) *The HLW facility.* NRC exercises licensing and related regulatory authority over those facilities described in section 202 (3) and (4) of the Energy Reorganization Act of 1974. Any of these facilities is designated a *HLW facility*.

(b) *The geologic repository operations area.* (1) This part deals with the exercise of authority with respect to a particular class of HLW facility—namely a *geologic repository operations area*.

(2) *A geologic repository operations area* consists of those surface and subsurface areas that are part of a geologic repository where radioactive waste handling activities are conducted. The underground structure, including openings and backfill materials, but excluding shafts, boreholes, and their seals, is designated the *underground facility*.

(3) The exercise of Commission authority requires that the geologic repository operations area be used for *storage* (which includes *disposal*) of *high-level radioactive wastes (HLW)*.

(4) HLW includes irradiated reactor fuel as well as reprocessing wastes. However, if DOE proposes to use the geologic repository operations area for storage of *radioactive waste* other than HLW, the storage of this radioactive waste is subject to the requirements of this part.

(c) *Areas related to isolation.* Although the activities subject to regulation under this part are those to be carried out at the geologic repository operations area, the *licensing process* also considers characteristics of adjacent areas that are defined in other ways. There is to be an area surrounding the underground facility referred to above, which is designated the *controlled area*, within which DOE is to exercise specified controls to prevent adverse human actions following permanent closure. The location of the controlled area is the *site*. The *accessible environment* is the atmosphere, land surface, surface water, oceans, and the portion of the lithosphere that is outside the controlled area. There is an area, designated the *geologic setting*, which includes the geologic, hydrologic, and geochemical systems of the region in which a geologic repository operations area is or may be located. The geologic repository operations area plus the portion of the geologic setting that provides isolation of the radioactive waste make up the *geologic repository*.

(d) *Stages in the licensing process.* There are several stages in the licensing process. The *site characterization stage*, though begun before submission of a license application, may result in consequences requiring evaluation in the license review. The *construction stage* would follow, after issuance of a construction authorization. A *period of operations* follows the issuance of a license by the Commission. The period of operations includes the time during which *emplacement* of wastes occurs; any subsequent period before permanent closure during which the emplaced wastes are *retrievable*; and *permanent closure*, which includes sealing of shafts. Permanent closure represents the end of active human

intervention with respect to the engineered barrier system.

(e) *Isolation of waste.* (1) During the first several hundred years following permanent closure of a geologic repository, when radiation and thermal levels are high and the uncertainties in assessing repository performance are

large, special emphasis is placed upon the ability to contain the wastes by waste packages within an *engineered barrier system*. This is known as the *containment period*. The *engineered barrier system* includes the waste packages and the underground facility. A *waste package* is composed of the waste form and any containers, shielding, packing, and absorbent materials immediately surrounding an individual waste container. The *underground facility* means the underground structure, including openings and backfill materials, but excluding shafts, boreholes, and their seals.

(2) Following the containment period special emphasis is placed upon the ability to achieve isolation of the wastes by virtue of the characteristics of the geologic repository. The *engineered barrier system works to control* the release of radioactive material to the geologic setting and the geologic setting works to control the release of radioactive material to the accessible environment. *Isolation* means inhibiting the transport of radioactive material so that amounts and concentrations of the materials entering the accessible environment will be kept within prescribed limits.

Performance Objectives

§ 60.111 Performance of the geologic repository operations area through permanent closure.

(a) *Protection against radiation exposures and releases of radioactive material.* The geologic repository operations area shall be designed so that until permanent closure has been completed, radiation exposures and radiation levels, and releases of radioactive materials to unrestricted areas, will at all times be maintained within the limits specified in Part 20 of this chapter and such generally applicable environmental standards for radioactivity as may have been established by the Environmental Protection Agency.

(b) *Retrievability of waste.* (1) The geologic repository operations area shall be designed to preserve the option of waste retrieval throughout the period during which wastes are being emplaced and, thereafter, until the completion of a performance confirmation program and Commission review of the information obtained from such a program. To

satisfy this objective, the geologic repository operations area shall be designed so that any or all of the emplaced waste could be retrieved on a reasonable schedule starting at any time up to 50 years after waste emplacement operations are initiated, unless a different time period is approved or specified by the Commission. This different time period may be established on a case-by-case basis consistent with the emplacement schedule and the planned performance confirmation program.

(2) This requirement shall not preclude decisions by the Commission to allow backfilling part or all of, or permanent closure of, the geologic repository operations area prior to the end of the period of design for retrievability.

(3) For purposes of this paragraph, a reasonable schedule for retrieval is one that would permit retrieval in about the same time as that devoted to construction of the geologic repository operations area and the emplacement of wastes.

§ 60.112 Overall system performance objective for the geologic repository after permanent closure.

The geologic setting shall be selected and the engineered barrier system and the shafts, boreholes and their seals shall be designed to assure that releases of radioactive materials to the accessible environment following permanent closure conform to such generally applicable environmental standards for radioactivity as may have been established by the Environmental Protection Agency with respect to both anticipated processes and events and unanticipated processes and events.

§ 60.113 Performance of particular barriers after permanent closure.

(a) *General provisions.* (1) *Engineered barrier system.* (i) The engineered barrier system shall be designed so that assuming anticipated processes and events: (A) Containment of HLW will be substantially complete during the period when radiation and thermal conditions in the engineered barrier system are dominated by fission product decay; and (B) any release of radionuclides from the engineered barrier system shall be a gradual process which results in small fractional releases to the geologic setting over long times. For disposal in the saturated zone, both the partial and complete filling with groundwater of available void spaces in the underground facility shall be appropriately considered and analysed among the anticipated processes and events in designing the engineered barrier system.

(ii) In satisfying the preceding requirement, the engineered barrier

system shall be designed, assuming anticipated processes and events, so that:

(A) Containment of HLW within the waste packages will be substantially complete for a period to be determined by the Commission taking into account the factors specified in § 60.113(b) provided, that such period shall be not less than 300 years nor more than 1,000 years after permanent closure of the geologic repository; and

(B) The release rate of any radionuclide from the engineered barrier system following the containment period shall not exceed one part in 100,000 per year of the inventory of that radionuclide calculated to be present at 1,000 years following permanent closure, or such other fraction of the inventory as may be approved or specified by the Commission; provided, that this requirement does not apply to any radionuclide which is released at a rate less than 0.1% of the calculated total release rate limit. The calculated total release rate limit shall be taken to be one part in 100,000 per year of the inventory of radioactive waste, originally employed in the underground facility, that remains after 1,000 years of radioactive decay.

(2) *Geologic setting.* The geologic repository shall be located so that pre-waste-emplacement groundwater travel time along the fastest path of likely radionuclide travel from the disturbed zone to the accessible environment shall be at least 1,000 years or such other travel time as may be approved or specified by the Commission.

(b) On a case-by-case basis, the Commission may approve or specify some other radionuclide release rate, designed containment period or pre-waste-emplacement groundwater travel time, provided that the overall system performance objective, as it relates to anticipated processes and events, is satisfied. Among the factors that the Commission may take into account are—

(1) Any generally applicable environmental standard for radioactivity established by the Environmental Protection Agency;

(2) The age and nature of the waste, and the design of the underground facility, particularly as these factors bear upon the time during which the thermal pulse is dominated by the decay heat from the fission products;

(3) The geochemical characteristics of the host rock, surrounding strata and groundwater; and

(4) Particular sources of uncertainty in predicting the performance of the geologic repository.

(c) Additional requirements may be found to be necessary to satisfy the overall system performance objective as

it relates to unanticipated processes and events.

Land Ownership and Control

§ 60.121 Requirements for ownership and control of interests in land.

(a) *Ownership of land.* (1) Both the geologic repository operations area and the controlled area shall be located in and on lands that are either acquired lands under the jurisdiction and control of DOE, or lands permanently withdrawn and reserved for its use.

(2) These lands shall be held free and clear of all encumbrances, if significant, such as: (i) Rights arising under the general mining laws; (ii) easements for right-of-way; and (iii) all other rights arising under lease, rights of entry, deed, patent, mortgage, appropriation, prescription, or otherwise.

(b) *Additional controls.* Appropriate controls shall be established outside of the controlled area. DOE shall exercise any jurisdiction and control over surface and subsurface estates necessary to prevent adverse human actions that could significantly reduce the geologic repository's ability to achieve isolation. The rights of DOE may take the form of appropriate possessory interests, servitudes, or withdrawals from location or patent under the general mining laws.

(c) *Water rights.* (1) DOE shall also have obtained such water rights as may be needed to accomplish the purpose of the geologic repository operations area.

(2) Water rights are included in the additional controls to be established under paragraph (b) of this section.

Siting Criteria

§ 60.122 Siting criteria.

(a)(1) A geologic setting shall exhibit an appropriate combination of the conditions specified in paragraph (b) of this section so that, together with the engineered barriers system, the favorable conditions present are sufficient to provide reasonable assurance that the performance objectives relating to isolation of the waste will be met.

(2) If any of the potentially adverse conditions specified in paragraph (c) of this section is present, it may compromise the ability of the geologic repository to meet the performance objectives relating to isolation of the waste. In order to show that a potentially adverse condition does not so compromise the performance of the geologic repository the following must be demonstrated:

(i) The potentially adverse human activity or natural condition has been adequately investigated, including the

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extent to which the condition may be present and still be undetected taking into account the degree of resolution achieved by the investigations; and

(ii) The effect of the potentially adverse human activity or natural condition on the site has been adequately evaluated using analyses which are sensitive to the potentially adverse human activity or natural condition and assumptions which are not likely to underestimate its effect; and

(iii)(A) The potentially adverse human activity or natural condition is shown by analysis pursuant to paragraph (a)(2)(ii) of this section not to affect significantly the ability of the geologic repository to meet the performance objectives relating to isolation of the waste, or

(B) The effect of the potentially adverse human activity or natural condition is compensated by the presence of a combination of the favorable characteristics so that the performance objectives relating to isolation of the waste are met, or

(C) The potentially adverse human activity or natural condition can be remedied.

(b) *Favorable conditions.* (1) The nature and rates of tectonic, hydrogeologic, geochemical, and geomorphic processes (or any of such processes) operating within the geologic setting during the Quaternary Period, when projected, would not affect or would favorably affect the ability of the geologic repository to isolate the waste.

(2) For disposal in the saturated zone, hydrogeologic conditions that provide—

(i) A host rock with low horizontal and vertical permeability;

(ii) Downward or dominantly horizontal hydraulic gradient in the host rock and immediately surrounding hydrogeologic units; and

(iii) *Low vertical permeability and low hydraulic gradient between the host rock and the surrounding hydrogeologic units.*

(3) Geochemical conditions that—(i) Promote precipitation or sorption of radionuclides; (ii) Inhibit the formation of particulates, colloids, and inorganic and organic complexes that increase the mobility of radionuclides; or (iii) Inhibit the transport of radionuclides by particulates, colloids, and complexes.

(4) Mineral assemblages that, when subjected to anticipated thermal loading, will remain unaltered or alter to mineral assemblages having equal or increased capacity to inhibit radionuclide migration.

(5) Conditions that permit the emplacement of waste at a minimum depth of 300 meters from the ground surface. (The ground surface shall be deemed to be the elevation of the lowest

point on the surface above the disturbed zone.)

(6) A low population density within the geologic setting and a controlled area that is remote from population centers.

(7) *Pre-waste-emplacment groundwater travel time along the fastest path of likely radionuclide travel from the disturbed zone to the accessible environment that substantially exceeds 1,000 years.*

(8) For disposal in the unsaturated zone, hydrogeologic conditions that provide—

(i) Low moisture flux in the host rock and in the overlying and underlying hydrogeologic units;

(ii) A water table sufficiently below the underground facility such that fully saturated voids contiguous with the water table do not encounter the underground facility;

(iii) A laterally extensive low-permeability hydrogeologic unit above the host rock that would inhibit the downward movement of water or divert downward moving water to a location beyond the limits of the underground facility;

(iv) A host rock that provides for free drainage; or

(v) A climatic regime in which the average annual historic precipitation is a small percentage of the average annual potential evapotranspiration.

(c) *Potentially adverse conditions.* The following conditions are potentially adverse conditions if they are characteristic of the controlled area or may affect isolation within the controlled area.

(1) Potential for flooding of the underground facility, whether resulting from the occupancy and modification of floodplains or from the failure of existing or planned man-made surface water impoundments.

(2) Potential for foreseeable human activity to adversely affect the groundwater flow system, such as groundwater withdrawal, extensive irrigation, subsurface injection of fluids, underground pumped storage, military activity or construction of large scale surface water impoundments.

(3) Potential for natural phenomena such as landslides, subsidence, or volcanic activity of such a magnitude that large-scale surface water impoundments could be created that could change the regional groundwater flow system and thereby adversely affect the performance of the geologic repository.

(4) Structural deformation, such as uplift, subsidence, folding, or faulting that may adversely affect the regional groundwater flow system.

(5) Potential for changes in hydrologic conditions that would affect the migration of radionuclides to the

accessible environment, such as changes in hydraulic gradient, average interstitial velocity, storage coefficient, hydraulic conductivity, natural recharge, potentiometric levels, and discharge points.

(6) Potential for changes in hydrologic conditions resulting from reasonably foreseeable climatic changes.

(7) *Groundwater conditions in the host rock, including chemical composition, high ionic strength or ranges of Eh-pH, that could increase the solubility or chemical reactivity of the engineered barrier system.*

(8) *Geochemical processes that would reduce sorption of radionuclides, result in degradation of the rock strength, or adversely affect the performance of the engineered barrier system.*

(9) *Groundwater conditions in the host rock that are not reducing.*

(10) Evidence of dissolution such as breccia pipes, dissolution cavities, or brine pockets.

(11) Structural deformation such as uplift, subsidence, folding, and faulting during the Quaternary Period.

(12) Earthquakes which have occurred historically that if they were to be repeated could affect the site significantly.

(13) Indications, based on correlations of earthquakes with tectonic processes and features, that either the frequency of occurrence or magnitude of earthquakes may increase.

(14) More frequent occurrence of earthquakes or earthquakes of higher magnitude than is typical of the area in which the geologic setting is located.

(15) Evidence of igneous activity since the start of the Quaternary Period.

(16) Evidence of extreme erosion during the Quaternary Period.

(17) *The presence of naturally occurring materials, whether identified or undiscovered, within the site, in such form that:*

(i) *Economic extraction is currently feasible or potentially feasible during the foreseeable future; or*

(ii) *Such materials have greater gross value or net value than the average for other areas of similar size that are representative of and located within the geologic setting.*

(18) Evidence of subsurface mining for resources within the site.

(19) Evidence of drilling for any purpose within the site.

(20) *Rock or groundwater conditions that would require complex engineering measures in the design and construction of the underground facility or in the sealing of boreholes and shafts.*

(21) Geomechanical properties that do not permit design of underground opening that will remain stable through permanent closure.

(22) Potential for the water table to rise sufficiently so as to cause saturation of an underground facility located in the unsaturated zone.

(23) Potential for existing or future perched water bodies that may saturate portions of the underground facility or provide a faster flow path from an underground facility located in the unsaturated zone to the accessible environment.

(24) Potential for the movement of radionuclides in a gaseous state through air-filled pore spaces of an unsaturated geologic medium to the accessible environment.

Design Criteria for the Geologic Repository Operations Area

§ 60.130 Scope of design criteria for the geologic repository operations area.

Sections 60.131 through 60.134 specify minimum criteria for the design of the geologic repository operations area. These design criteria are not intended to be exhaustive, however. Omissions in §§ 60.131 through 60.134 do not relieve DOE from any obligation to provide such safety features in a specific facility needed to achieve the performance objectives. All design bases must be consistent with the results of site characterization activities.

§ 60.131 General design criteria for the geologic repository operations area.

(a) *Radiological protection.* The geologic repository operations area shall be designed to maintain radiation doses, levels, and concentrations of radioactive material in air in restricted areas within the limits specified in Part 20 of this chapter. Design shall include—

(1) Means to limit concentrations of radioactive material in air;

(2) Means to limit the time required to perform work in the vicinity of radioactive materials, including, as appropriate, designing equipment for ease of repair and replacement and providing adequate space for ease of operation;

(3) Suitable shielding;

(4) Means to monitor and control the dispersal of radioactive contamination;

(5) Means to control access to high radiation areas or airborne radioactivity areas; and

(6) A radiation alarm system to warn of significant increases in radiation levels, concentrations of radioactive material in air, and of increased radioactivity released in effluents. The alarm system shall be designed with provisions for calibration and for testing its operability.

(b) *Structures, systems, and components important to safety.* (1)

Protection against natural phenomena and environmental conditions.

The structures, systems, and components important to safety shall be designed so that natural phenomena and environmental conditions anticipated at the geologic repository operations area will not interfere with necessary safety functions.

(2) *Protection against dynamic effects of equipment failure and similar events.* The structures, systems, and components important to safety shall be designed to withstand dynamic effects such as missile impacts, that could result from equipment failure, and similar events and conditions that could lead to loss of their safety functions.

(3) *Protection against fires and explosions.* (i) The structures, systems, and components important to safety shall be designed to perform their safety functions during and after credible fires or explosions in the geologic repository operations area.

(ii) To the extent practicable, the geologic repository operations area shall be designed to incorporate the use of noncombustible and heat resistant materials.

(iii) The geologic repository operations area shall be designed to include explosion and fire detection alarm systems and appropriate suppression systems with sufficient capacity and capability to reduce the adverse effects of fires and explosions on structures, systems, and components important to safety.

(iv) The geologic repository operations area shall be designed to include means to protect systems, structures, and components important to safety against the adverse effects of either the operation or failure of the fire suppression systems.

(4) *Emergency capability.* (i) The structures, systems, and components important to safety shall be designed to maintain control of radioactive waste and radioactive effluents, and permit prompt termination of operations and evacuation of personnel during an emergency.

(ii) The geologic repository operations area shall be designed to include onsite facilities and services that ensure a safe and timely response to emergency conditions and that facilitate the use of available offsite services (such as fire, police, medical and ambulance service) that may aid in recovery from emergencies.

(5) *Utility services.* (i) Each utility service system that is important to safety shall be designed so that essential safety functions can be performed under both normal and accident conditions.

(ii) The utility services important to safety shall include redundant systems to the extent necessary to maintain, with adequate capacity, the ability to perform their safety functions.

(iii) Provisions shall be made so that, if there is a loss of the primary electric power source or circuit, reliable and timely emergency power can be provided to instruments, utility service systems, and operating systems, including alarm systems, important to safety.

(6) *Inspection, testing, and maintenance.* The structures, systems, and components important to safety shall be designed to permit periodic inspection, testing, and maintenance, as necessary, to ensure their continued functioning and readiness.

(7) *Criticality control.* All systems for processing, transporting, handling, storage, retrieval, emplacement, and isolation of radioactive waste shall be designed to ensure that a nuclear criticality accident is not possible unless at least two unlikely, independent, and concurrent or sequential changes have occurred in the conditions essential to nuclear criticality safety. Each system shall be designed for criticality safety under normal and accident conditions. The calculated effective multiplication factor (k_{eff}) must be sufficiently below unity to show at least a 5% margin, after allowance for the bias in the method of calculation and the uncertainty in the experiments used to validate the method of calculation.

(8) *Instrumentation and control systems.* The design shall include provisions for instrumentation and control systems to monitor and control the behavior of systems important to safety over anticipated ranges for normal operation and for accident conditions.

(9) *Compliance with mining regulations.* To the extent that DOE is not subject to the Federal Mine Safety and Health Act of 1977, as to the construction and operation of the geologic repository operations area, the design of the geologic repository operations area shall nevertheless include such provisions for worker protection as may be necessary to provide reasonable assurance that all structures, systems, and components important to safety can perform their intended functions. Any deviation from relevant design requirements in 30 CFR, Chapter I, Subchapters D, E, and N will give rise to a rebuttable presumption that this requirement has not been met.

(10) *Shaft conveyances used in radioactive waste handling.* (i) Hoists important to safety shall be designed to preclude cage free fall.

(ii) Hoists important to safety shall be designed with a reliable cage location system.

(iii) Loading and unloading systems for hoists important to safety shall be designed with a reliable system of interlocks that will fail safely upon malfunction.

(iv) Hoists important to safety shall be

designed to include two independent indicators to indicate when waste packages are in place and ready for transfer.

§ 60.132 Additional design criteria for surface facilities in the geologic repository operations area.

(a) *Facilities for receipt and retrieval of waste.* Surface facilities in the geologic repository operations area shall be designed to allow safe handling and storage of wastes at the geologic repository operations area, whether these wastes are on the surface before emplacement or as a result of retrieval from the underground facility.

(b) *Surface facility ventilation.* Surface facility ventilation systems supporting waste transfer, inspection, decontamination, processing, or packaging shall be designed to provide protection against radiation exposures and offsite releases as provided in § 60.111(a).

(c) *Radiation control and monitoring.*
(1) *Effluent control.* The surface facilities shall be designed to control the release of radioactive materials in effluents during normal operations so as to meet the performance objectives of § 60.111(a).

(2) *Effluent monitoring.* The effluent monitoring systems shall be designed to measure the amount and concentration of radionuclides in any effluent with sufficient precision to determine whether releases conform to the design requirement for effluent control. The monitoring systems shall be designed to include alarms that can be periodically tested.

(d) *Waste treatment.* Radioactive waste treatment facilities shall be designed to process any radioactive wastes generated at the geologic repository operations area into a form suitable to permit safe disposal at the geologic repository operations area or to permit safe transportation and conversion to a form suitable for disposal at an alternative site in accordance with any regulations that are applicable.

(e) *Consideration of decommissioning.* The surface facility shall be designed to facilitate decontamination or dismantlement to the same extent as would be required, under other parts of this chapter, with respect to equivalent activities licensed thereunder.

§ 60.133 Additional design criteria for the underground facility.

(a) *General criteria for the underground facility.* (1) The orientation, geometry, layout, and depth of the underground facility, and the design of any engineered barriers that are part of the underground facility shall contribute to the containment and isolation of radionuclides.

(2) The underground facility shall be designed so that the effects of credible

disruptive events during the period of operations, such as flooding, fires and explosions, will not spread through the facility.

(b) *Flexibility of design.* The underground facility shall be designed with sufficient flexibility to allow adjustments where necessary to accommodate specific site conditions identified through in situ monitoring, testing or excavation.

(c) *Retrieval of waste.* The underground facility shall be designed to permit retrieval of waste in accordance with the performance objectives of § 60.111.

(d) *Control of water and gas.* The design of the underground facility shall provide for control of water or gas intrusion.

(e) *Underground openings.* (1) Openings in the underground facility shall be designed so that operations can be carried out safely and the retrievability option maintained.

(2) Openings in the underground facility shall be designed to reduce the potential for deleterious rock movement or fracturing of overlying or surrounding rock.

(f) *Rock excavation.* The design of the underground facility shall incorporate excavation methods that will limit the potential for creating a preferential pathway for groundwater to contact the waste packages or radionuclide migration to the accessible environment.

(g) *Underground facility ventilation.* The ventilation system shall be designed to—(1) Control the transport of radioactive particulates and gases within and releases from the underground facility in accordance with the performance objectives of § 60.111(a).

(2) Assure continued function during normal operations and under accident conditions; and

(3) Separate the ventilation of excavation and waste emplacement areas.

(h) *Engineered barriers.* Engineered barriers shall be designed to assist the geologic setting in meeting the performance objectives for the period following permanent closure.

(i) *Thermal loads.* The underground facility shall be designed so that the performance objectives will be met taking into account the predicted thermal and thermomechanical response of the host rock, and surrounding strata, groundwater system.

§ 60.134 Design of seals for shafts and boreholes.

(a) *General design criterion.* Seals for shafts and boreholes shall be designed so that following permanent closure they do not become pathways that compromise the geologic repository's ability to meet the performance

objectives or the period following permanent closure.

(b) *Selection of materials and placement methods.* Materials and placement methods for seals shall be selected to reduce, to the extent practicable:

- (1) The potential for creating a preferential pathway for groundwater to contact the waste package; or
- (2) for radionuclide migration through existing pathways.

Design Criteria for the Waste Package

§ 60.135 Criteria for the waste package and its components.

(a) *High-level-waste package design in general.* (1) Packages for HLW shall be designed so that the in situ chemical, physical, and nuclear properties of the waste package and its interactions with the emplacement environment do not compromise the function of the waste packages or the performance of the underground facility or the geologic setting.

(2) The design shall include but not be limited to consideration of the following factors: solubility, oxidation/reduction reactions, corrosion, hydriding, gas generation, thermal effects, mechanical strength, mechanical stress, radiolysis, radiation damage, radionuclide retardation, leaching, fire and explosion hazards, thermal loads, and synergistic interactions.

(b) *Specific criteria for HLW package design.* (1) *Explosive, pyrophoric, and chemically reactive materials.* The waste package shall not contain explosive or pyrophoric materials or chemically reactive materials in an amount that could compromise the ability of the underground facility to contribute to waste isolation or the ability of the geologic repository to satisfy the performance objectives.

(2) *Free liquids.* The waste package shall not contain free liquids in an amount that could compromise the ability of the waste packages to achieve the performance objectives relating to containment of HLW (because of chemical interactions or formation of pressurized vapor) or result in spillage and spread of contamination in the event of waste package perforation during the period through permanent closure.

(3) *Handling.* Waste packages shall be designed to maintain waste containment during transportation, emplacement, and retrieval.

(4) *Unique identification.* A label or other means of identification shall be provided for each waste package. The identification shall not impair the integrity of the waste package and shall be applied in such a way that the information shall be legible at least to the end of the period of retrievability.

Each waste package identification shall be consistent with the waste package's permanent written records.

(c) *Waste form criteria for HLW.* High-level radioactive waste that is emplaced in the underground facility shall be designed to meet the following criteria:

(1) *Solidification.* All such radioactive wastes shall be in solid form and placed in sealed containers.

(2) *Consolidation.* Particulate waste forms shall be consolidated (for example, by incorporation into an encapsulating matrix) to limit the availability and generation of particulates.

(3) *Combustibles.* All combustible radioactive wastes shall be reduced to a noncombustible form unless it can be demonstrated that a fire involving the waste packages containing combustibles will not compromise the integrity of other waste packages, adversely affect any structures, systems, or components important to safety, or compromise the ability of the underground facility to contribute to waste isolation.

(d) *Design criteria for other radioactive wastes.* Design criteria for waste types other than HLW will be addressed on an individual basis if and when they are proposed for disposal in a geologic repository.

Performance Confirmation Requirements

§ 60.137 General requirements for performance confirmation.

The geologic repository operations area shall be designed so as to permit implementation of a performance confirmation program that meets the requirements of Subpart F of this part.

Subpart F—Performance Confirmation Program

§ 60.140 General requirements.

(a) The performance confirmation program shall provide data which indicates, where practicable, whether—

(1) Actual subsurface conditions encountered and changes in those conditions during construction and waste emplacement operations are within the limits assumed in the licensing review; and

(2) Natural and engineered systems and components required for repository operation, or which are designed or assumed to operate as barriers after permanent closure, are functioning as intended and anticipated.

(b) The program shall have been started during site characterization and it will continue until permanent closure.

(c) The program shall include in situ monitoring, laboratory and field testing, and in situ experiments, as may be appropriate to accomplish the objective as stated above.

(d) The program shall be implemented so that:

(1) It does not adversely affect the ability of the natural and engineered elements of the geologic repository to meet the performance objectives.

(2) It provides baseline information and analysis of that information on those parameters and natural processes pertaining to the geologic setting that may be changed by site

characterization, construction, and operational activities.

(3) It monitors and analyzes changes from the baseline condition of parameters that could affect the performance of a geologic repository.

(4) It provides an established plan for feedback and analysis of data, and implementation of appropriate action.

§ 60.141 Confirmation of geotechnical and design parameters.

(a) During repository construction and operation, a continuing program of surveillance, measurement, testing, and geologic mapping shall be conducted to ensure that geotechnical and design parameters are confirmed and to ensure that appropriate action is taken to inform the Commission of changes needed in design to accommodate actual field conditions encountered.

(b) Subsurface conditions shall be monitored and evaluated against design assumptions.

(c) As a minimum, measurements shall be made of rock deformations and displacement, changes in rock stress and strain, rate and location of water inflow into subsurface areas, changes in groundwater conditions, rock pore water pressures including those along fractures and joints, and the thermal and thermomechanical response of the rock mass as a result of development and operations of the geologic repository.

(d) These measurements and observations shall be compared with the original design bases and assumptions. If significant differences exist between the measurements and observations and the original design bases and assumptions, the need for modifications to the design or in construction methods shall be determined and these differences and the recommended changes reported to the Commission.

(e) In situ monitoring of the thermomechanical response of the underground facility shall be conducted until permanent closure to ensure that the performance of the natural and engineering features are within design limits.

§ 60.142 Design testing.

(a) During the early or developmental stages of construction, a program for in situ testing of such features as borehole and shaft seals, backfill, and the thermal interaction effects of the waste packages, backfill, rock, and

groundwater shall be conducted.

(b) The testing shall be initiated as early as is practicable.

(c) A backfill test section shall be constructed to test the effectiveness of backfill placement and compaction procedures against design requirements before permanent backfill placement is begun.

(d) Test sections shall be established to test the effectiveness of borehole and shaft seals before full-scale operation proceeds to seal boreholes and shafts.

§ 60.143 Monitoring and testing waste packages.

(a) A program shall be established at the geologic repository operations area for monitoring the condition of the waste packages. Waste packages chosen for the program shall be representative of those to be emplaced in the underground facility.

(b) Consistent with safe operation at the geologic repository operations area, the environment of the waste packages selected for the waste package monitoring program shall be representative of the environment in which the wastes are to be emplaced.

(c) The waste package monitoring program shall include laboratory experiments which focus on the internal condition of the waste packages. To the extent practical, the environment experienced by the emplaced waste packages within the underground facility during the waste package monitoring program shall be duplicated in the laboratory experiments.

(d) The waste package monitoring program shall continue as long as practical up to the time of permanent closure.

Subpart G—Quality Assurance

§ 60.150 Scope.

As used in this part, "quality assurance" comprises all those planned and systematic actions necessary to provide adequate confidence that the geologic repository and its subsystems or components will perform satisfactorily in service. Quality assurance includes quality control, which comprises those quality assurance actions related to the physical characteristics of a material, structure, component, or system which provide a means to control the quality of the material, structure, component, or system to predetermined requirements.

§ 60.151 Applicability.

The quality assurance program applies to all systems, structures and components important to safety, to design and characterization of barriers important to waste isolation and to activities related thereto. These activities include: site characterization,

48 FR 28194

48 FR 28194

48 FR 28194

facility and equipment construction, facility operation, performance confirmation, permanent closure, and decontamination and dismantling of surface facilities.

§ 60.152 Implementation.

DOE shall implement a quality assurance program based on the criteria of Appendix B of 10 CFR Part 50 as applicable, and appropriately supplemented by additional criteria as required by § 60.151.

Subpart H—Training and Certification of Personnel

§ 60.160 General requirements.

Operations of systems and components that have been identified as important to safety in the Safety Analysis Report and in the license shall be performed only by trained and certified personnel or by personnel under the direct visual supervision of an individual with training and certification in such operation. Supervisory personnel who direct operations that are important to safety must also be certified in such operations.

§ 60.161 Training and certification program.

DOE shall establish a program for training, proficiency testing, certification and requalification of operating and supervisory personnel.

§ 60.162 Physical requirements.

The physical condition and the general health of personnel certified for operations that are important to safety shall not be such as might cause operational errors that could endanger the public health and safety. Any condition which might cause impaired judgment or motor coordination must be considered in the selection of personnel for activities that are important to safety. These conditions need not categorically disqualify a person, so long as appropriate provisions are made to accommodate such conditions.

Subpart I—Emergency Planning Criteria [Reserved]

Subpart J—Violations

§ 60.181 Violations.

(a) The Commission may obtain an injunction or other court order to prevent a violation of the provisions of—

(1) The Atomic Energy Act of 1954, as amended;

(2) Title II of the Energy Reorganization Act of 1974, as amended or

(3) A regulation or order issued pursuant to those Acts.

(b) The Commission may obtain a court order for the payment of a civil penalty imposed under section 234 of the Atomic Energy Act:

(1) For violations of—

(i) Sections 53, 57, 62, 63, 81, 82, 101, 103, 104, 107, or 109 of the Atomic Energy Act of 1954, as amended;

(ii) Section 206 of the Energy Reorganization Act;

(iii) Any rule, regulation, or order issued pursuant to the sections specified in paragraph (b)(1)(i) of this section;

(iv) Any term, condition, or limitation of any license issued under the sections specified in paragraph (b)(1)(i) of this section.

(2) For any violation for which a license may be revoked under section 186 of the Atomic Energy Act of 1954, as amended.

§ 60.183 Criminal penalties.

(a) Section 223 of the Atomic Energy Act of 1954, as amended, provides for criminal sanctions for willful violation of, attempted violation of, or conspiracy to violate, any regulation issued under sections 161b, 161i, or 161o of the Act. For purposes of section 223, all the regulations in part 60 are issued under one or more of sections 161b, 161i, or 161o, except for the sections listed in paragraph (b) of this section.

(b) The regulations in part 60 that are not issued under sections 161b, 161i, or 161o for the purposes of section 223 are as follows: §§ 60.1, 60.2, 60.3, 60.5, 60.6, 60.7, 60.8, 60.15, 60.16, 60.17, 60.18, 60.21, 60.22, 60.23, 60.24, 60.31, 60.32, 60.33, 60.41, 60.42, 60.43, 60.44, 60.45, 60.46, 60.51, 60.52, 60.61, 60.62, 60.63, 60.64, 60.65, 60.101, 60.102, 60.111, 60.112, 60.113, 60.121, 60.122, 60.130, 60.131, 60.132, 60.133, 60.134, 60.135, 60.137, 60.140, 60.141, 60.142, 60.143, 60.150, 60.151, 60.152, 60.162, 60.181, and 60.183.

UNITED STATES NUCLEAR REGULATORY COMMISSION

RULES and REGULATIONS

TITLE 10, CHAPTER 1, CODE OF FEDERAL REGULATIONS—ENERGY

**PART
60**

**DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTES
IN GEOLOGIC REPOSITORIES**

STATEMENTS OF CONSIDERATION

52 FR 31601
Published 8/21/87
Effective 8/18/87

Statement of Organization and General Information

See Part 1 Statements of Consideration

52 FR 49362
Published 12/31/87
Effective 2/1/88

Completeness and Accuracy of Information

See Part 2 Statements of Consideration

53 FR 4109
Published 2/12/88
Effective 2/12/88

Relocation of NRC Offices—NMSS, OI and GPA

See Part 30 Statements of Consideration

53 FR 19240
Published 5/27/88
Effective 7/26/88

Retention Periods for Records

See Part 4 Statements of Consideration

53 FR 43419
Published 10/27/88
Effective 10/27/88

Relocation of NRC's Public Document Room; Other Minor Nomenclature Changes

See Part 1 Statements of Consideration

54 FR 27864
Published 7/3/89
Effective 8/2/89

10 CFR Parts 2, 51, and 60

RIN 3150-AC04

NEPA Review Procedures for Geologic Repositories for High-Level Waste

AGENCY: Nuclear Regulatory Commission.

ACTION: Final rule.

SUMMARY: The Nuclear Regulatory Commission is adopting procedures for implementation of the National Environmental Policy Act with respect to geologic repositories for high-level radioactive waste. In accordance with the Nuclear Waste Policy Act of 1982, as

amended, the Commission will adopt, to the extent practicable, the final environmental impact statement prepared by the Department of Energy that accompanies a recommendation to the President for repository development. The rule recognizes that the primary responsibility for evaluating environmental impacts lies with the Department of Energy; and, consistent with this view, it sets out the standards and procedures that would be used in determining whether adoption of the Department's final environmental impact statement is practicable.

EFFECTIVE DATE: August 2, 1989.

FOR FURTHER INFORMATION CONTACT: James R. Wolf, Office of the General Counsel, U.S. Nuclear Regulatory Commission, Washington, DC 20555, Telephone (301) 492-1641.

SUPPLEMENTARY INFORMATION: Under applicable law, the Nuclear Regulatory Commission exercises regulatory authority with respect to the development, operation, and permanent closure of one or more geologic repositories for high-level radioactive waste and spent nuclear fuel. In connection with the exercise of this authority, the Commission is required by the National Environmental Policy Act of 1969 (NEPA), to give appropriate consideration to the environmental impacts of its actions. The scope of such consideration and the procedure to be followed by the Commission in fulfilling its NEPA responsibilities are addressed by the Nuclear Waste Policy Act of 1982, as amended (NWPAct). This statute directs the Commission to adopt the environmental impact statement (EIS) prepared by the Department of Energy (the applicant for the NRC license with respect to the repository) "to the extent practicable," with the further proviso that adoption of DOE's EIS shall be deemed to satisfy the Commission's NEPA responsibilities "and no further consideration shall be required." The Commission has been engaged in rulemaking to implement this statutory framework.

The Commission accordingly undertook a careful review of the text and statutory history of the pertinent provisions of the Nuclear Waste Policy Act. The results of this review were presented in the notice of proposed

rulemaking published in the *Federal Register* on May 5, 1988, 53 FR 16131. As summarized therein:

(1) The Commission will conduct a thorough review of DOE's draft EIS and will provide comments to DOE regarding the adequacy of the statement.

(2) If requested by Congress pursuant to the NWPAct, the Commission will provide comments on DOE's EIS to the Congress with respect to a State or Tribal notice of disapproval of a designated site.

(3) The NRC will find it practicable to adopt DOE's EIS (or any DOE supplemental EIS) unless:

(a) The action proposed to be taken by the NRC differs in an environmentally significant way from the action described in DOE's license application, or

(b) Significant and substantial new information or new considerations render the DOE EIS inadequate.

(4) The DOE EIS will accompany the application through the Commission's review process, but will be subject to litigation in NRC's licensing proceeding only where facts 3(a) or 3(b) are present.

In accordance with NWPAct, the primary responsibility for evaluating environmental impacts lies with DOE, and DOE would therefore be required to supplement the EIS, whenever necessary, to consider changes in its proposed activities or any significant new information.

The Commission received nine letters of comment in response to its notice of proposed rulemaking. The commenters were the State of Nevada (Nuclear Waste Project Office), the U.S. Department of Energy, the Council on Environmental Quality, the U.S. Environmental Protection Agency, and several private organizations (the Nevada Nuclear Waste Task Force, the Environmental Defense Fund, the Southwest Research and Information Center, the Sierra Club, and the Edison Electric Institute).

After reviewing and giving careful consideration to all the comments received, the Commission now adopts, in substantial part, the position set forth in its earlier notice. In particular, the Commission continues to emphasize its view that its role under NWPAct is

oriented toward health and safety issues and that, in general, nonradiological environmental issues are intended to be resolved in advance of NRC licensing decisions through the actions of the Department of Energy, subject to Congressional and judicial review in accordance with NWPA and other applicable law. The Commission anticipates that many environmental questions would have been, or at least could have been, adjudicated in connection with an environmental impact statement prepared by DOE, and such questions should not be reopened in proceedings before NRC.

State of Nevada Comments

We begin with the comments presented by the State of Nevada not only because of its important sovereign interests, but because of the fundamental nature of the issues that are raised. In Nevada's view, NRC "poses, analyzes and answers the wrong question." According to Nevada, the question is how NRC should perform its own, independent, NEPA responsibilities and not how NRC should review and approve the adequacy of DOE's EIS.

Having posed the question in terms of responsibilities under NEPA, Nevada reviews the many cases that hold that where a major federal action involves two or more federal agencies, each agency must evaluate the environmental consequences of the entire project and determine independently whether the statutory requirements have been satisfied. NRC is not relieved from the responsibility of making such an independent determination, according to the State, because it would still be able to carry out its licensing responsibilities in a manner consistent with law. NRC, which is directed by NWPA to adopt the DOE environmental impact statement "to the extent practicable," need only do so to the extent that it is otherwise within the customary practice of the agency.

The views of the State bring the question into sharp focus. If the issue were properly to be posed as Nevada urges—i.e., with an assumption that the Commission's NEPA responsibilities are not modified by NWPA—then the regulatory language suggested in its comment letter would have merit. But the Commission firmly believes that the law was intended to have all matters associated with the environmental impacts of repository development considered and decided, to the fullest extent practicable, apart from NRC licensing proceedings. As explained when the proposed rule was published, this interpretation is supported both by the specific legislative and judicial review procedures built into the statutory structure and by the accompanying legislative history. The Commission believes that the result is

reasonable. Concerns arising under NEPA—if not resolved through the negotiation procedures established by NWPA—would be adjudicated early, with finality, and with every reasonable argument being capable of being advanced to the oversight of Congress and the courts. From that point on, in the absence of substantial new information or other new considerations, it would be proper to inquire only whether the specific detailed proposal of the Department of Energy could be implemented in a manner consistent with the health and safety of the public. The resolution of issues in this manner for purposes of NEPA would in no event affect the framing or decision of health and safety issues, under the Atomic Energy Act, in NRC licensing proceedings.¹

Although quite different statutory schemes are involved, we perceive a parallel with issues raised in *Quivira Mining Company v. NRC*, 866 F.2d 1246 (10th Cir. 1989). That case concerned regulations adopted by NRC pursuant to the Uranium Mill Tailings Radiation Control Act of 1978. It considered, among other things, the extent to which NRC, in giving the "due consideration to economic costs" required by the statute, could rely upon a cost-benefit study previously carried out by the Environmental Protection Agency to support EPA's rulemaking responsibilities. The Commission concluded that since the agencies' actions coincided in material respects, all statutory language would retain significant force and effect, and the time period allowed for the issuance of its regulations was inadequate for an independent study. Congress did not wish to require the NRC to perform a second cost-benefit analysis. The Court found the legislative history, as well as the statutory language, to be ambiguous on the question: as such, it upheld the NRC construction. Here, given the identity of the actions being considered by the two agencies (DOE and NRC), we believe it to be a fair reading of Congressional intent that NRC can adequately exercise its NEPA decisionmaking responsibility with respect to a repository by relying upon DOE's environmental impact statement. As in *Quivira Mining*, the timing requirement—under NWPA, a three-year licensing process for a unique facility, involving standards of

exceptional complexity, requiring disputatious predictions of future human activity and natural processes for thousands of years—supplies practical support for our interpretation. Congress did not speak to the precise question of the standard to be used in deciding whether adoption of DOE's environmental impact statement is practicable; and if our construction is not the only one that might be proposed, it seems to us to be, at a minimum, "permissible."

Once DOE's EIS has been adopted, the statute expressly relieves the Commission from further consideration of the environmental concerns addressed in the statement. Congressional review of a State's resolution of disapproval—should such a resolution be passed—would permit (and, most likely, virtually ensure) that issues other than those to be adjudicated under the Atomic Energy Act would have been considered and weighed. Under these circumstances, it would do no violence to national environmental policy to proscribe further examination in administrative proceedings.

Council on Environmental Quality Comments

The Commission invited the Council on Environmental Quality to comment on the proposed rule. The conclusion of CEQ was similar to that of the State of Nevada. In particular, CEQ read the phrase "to the extent practicable" to mean that NRC should make an independent evaluation of the DOE environmental impact statement, adopting some or all of it as appropriate so as to avoid unnecessary duplication. From the Commission's perspective, though, the position does not fully take into account the detailed scheme for environmental review established by NWPA. Neither the related provisions of the statute (including, for example, those dealing with legislative and judicial review and establishing time frames for Commission decisionmaking) are analyzed, nor is there any examination of the legislative history which, as described in the preamble to the proposed rule, supports our point of view. We continue to believe that it is clear—at least in the debates of the House of Representatives with respect to the bill which, with amendments, was enacted into law—that the Commission role was intentionally to be directed to health and safety issues to the exclusion, absent new information or new considerations, of issues arising under NEPA.

It is worth noting, though, that CEQ recognizes that the Commission might "defer" to a court finding that the DOE environmental impact statement is adequate. This is certainly close, if not identical to, the Commission's position

¹ The State took exception to the standard for completeness of information in a license application—viz. the "reasonably available" standard of 10 CFR 60.24. Although the matter is not strictly at issue in this rulemaking, the Commission regards the State's concern in this regard to be overdrawn. While information may be sufficient to meet the requirements of § 60.24, this in no way implies that such information will prove to be sufficient to meet the applicant's burden of persuasion under § 60.31.

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that a judicial finding of adequacy would preclude further litigation of the matter in NRC licensing proceedings.

Comments of Environmental Organizations

The environmental organizations' comments included a number of arguments similar to those of the State of Nevada with respect to the Commission's customary NEPA responsibilities. As already indicated, it is our view that Congress intended, under NWPAA, for NRC to accept the DOE EIS in the absence of substantial new considerations or new information. We reject the suggestion made by the Sierra Club that the approach we have outlined amounts to an abdication of any Commission responsibility.

In addition, however, a number of comments of somewhat narrower scope were submitted by environmental organizations (as well as by the State of Nevada) and are addressed here.

One matter that particularly concerned the private Nevada Nuclear Waste Task Force involved the relationship between the judicial process and the Commission's administrative process. The Task Force cautioned that NRC should not rely on there having been a court ruling with regard to the adequacy of DOE's environmental impact statement in advance of the Commission's licensing decision (when a judicial finding of inadequacy, affecting much or little of the EIS, could be treated as a new consideration). In fact, such reliance is not essential. It is our expectation that, under NWPAA, a petition for review of the EIS would need to have been filed roughly contemporaneously with DOE's submission of a license application to NRC, and that judgment might have been entered within the three years envisaged for Commission licensing. Whether or not this proves to be the case is not controlling, for the standard for adoption does not rest upon collateral estoppel principles. Similarly, we find it beside the point to speculate regarding the possibility that a reviewing court might delay its decision on the adequacy until it sees the NRC conclusions in the licensing proceeding. Such delay would not stand in the way of the Commission's taking final action.

Although we thus do not rest our position upon the availability of a prior judgment of a court, we reiterate our view, as described in the preamble to the proposed rule, that such a judgment, if entered, would be controlling on the question of the adequacy of the EIS; and if the EIS were found to be adequate, it would be practicable for the Commission to adopt it.

We were criticized for suggesting that members of the public might be precluded from raising issues anew on the grounds that they had been

represented by State officials in prior judicial proceedings. This position was claimed to be inconsistent with NRC intervention rules which, it is correctly argued, traditionally consider the interests of the state in which a facility is located as being distinguishable from the interests of particular members of the public who may be affected by the issuance of a license. Our first response is that our case law with respect to standing for purposes of intervention does not necessarily apply in the context of collateral estoppel or issue preclusion, where the policies of repose come into play. But, in addition, we would reach the same result even if informed members of the public were not constrained by the putative prior judgment against the state; for in that event their failure to pursue their claims within the 180 days specified by section 119 of NWPAA would operate as a bar.

The Commission's position that failure to challenge DOE's environmental impact statement promptly in the courts bars subsequent challenge to that EIS in NRC proceedings was also criticized. Commenters suggested, instead, that affected parties may decide for reasons of litigative strategy or otherwise to contest questions regarding the repository in NRC licensing proceedings rather than by going to court about the DOE environmental impact statement. But such a unilateral decision on their part cannot operate as a means to circumvent the clear policy of the NWPAA requiring prompt adjudication of the issues raised by the EIS. When there has been a full and fair opportunity to raise the challenge, a party's failure to avail itself should in our view be regarded as an abandonment of its right to do so many years later. See *Oregon Natural Resource Council v. U.S. Forest Service*, 834 F.2d 842, 847 (9th Cir. 1987).

There is force to a commenter's suggestion that our proposed rules failed to take account of an EIS having been prepared in connection with a Negotiator-selected site, in which case the Commission review would be governed by section 407 of NWPAA, as amended, 42 U.S.C. 10247, instead of section 114, 42 U.S.C. 10134. One difference, as pointed out by the comment, is that for a Negotiator-selected site DOE makes no formal recommendation to the President and the President makes no decision with respect to approval of the site. This difference alone would not affect the approach we take to discharging our NEPA responsibilities, in part because we would expect early judicial review to be available even in the absence of a Presidential decision. In this regard, NWPAA authorizes a civil action to review any EIS prepared with respect to "any action" under the applicable subpart and, given our perspective on

the intended allocation of functions between DOE and NRC, "any action" could include the Secretary of Energy's submission of an application to the Commission. We think the intent of Congress, as evidenced by the considerable parallelism of the language employed, was generally to establish the same sort of role for the Commission with respect to any site—whether at Yucca Mountain or at a Negotiator-selected location. We recognize that it is our obligation "to consider the Yucca Mountain site as an alternate to (the Negotiator-selected site) in the preparation of" an EIS. This obligation will be discharged, though, to the extent of our adoption of the DOE environmental impact statement, provided that the alternative sites were addressed therein.

One aspect of the Negotiator-selected site provisions does have to be taken into account, however. For a Negotiator-selected site, a Commission decision to adopt the environmental impact statement must be made "in accordance with § 1506.3 of Title 40, Code of Federal Regulations."—a limitation that we found not to apply to the EIS submitted under section 114 of NWPAA. Under the cited section of the CEQ regulations, the Commission may only adopt the DOE statement if it is "adequate." While a judicial decision on the point would be controlling, we would otherwise need to make an independent judgment in accordance with established practice. The final regulations reflect this possibility. In passing, though, we observe that we find nothing anomalous in having this responsibility in the case of a Negotiator-selected site but not in the case of the Congressionally-designated site at Yucca Mountain, for in the latter case there are opportunities for State disapproval and Congressional consideration that serve to provide a forum outside the Department for the evaluation of environmental concerns.

We are not persuaded by the comment that took exception to our requirement that needed supplements to the EIS would, as a general rule, have to be prepared by DOE—and that DOE's failure to comply with this requirement might be grounds for denial of a construction authorization. It seems to us that such supplementation by DOE would ordinarily be appropriate whenever, in the light of new information or new considerations, its proposed action may give rise to significant environmental impacts that were not addressed in its original EIS.

We were urged to reconsider our position with respect to the imposition of license conditions directed at mitigation of adverse environmental impacts. We had suggested that DOE could itself be held accountable for compliance with the mitigation measures described in its EIS, so that

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there was no need for them to be subject to litigation in NRC proceedings. The basis for our position is that the departure from planned mitigation measures may well be a major Federal action having significant environmental impacts, which would necessitate the preparation of an environmental impact statement for a project that was otherwise determined to be without significant impact. But, in any event, we see no basis for employing our regulatory authority in this instance to police DOE's compliance with its mitigation plans; it will be subject to no more and no less oversight from interested persons than would be the case for many other developmental projects carried out, after preparation of appropriate environmental documentation, by Federal departments and agencies. To permit the mitigation measures to be litigated in NRC administrative proceedings—legitimate as this may be in other contexts—would run counter to the direction of the NWPAs. It would bring in through the back door at least some of the contentions which, in our view, were to be settled in other forums.

An argument was made that amended section 114(f)(6)—which provides that "the Commission" need not consider enumerated factors in any EIS prepared with respect to a repository—indicates that Congress intended for NRC to issue its own EIS. The language in question appears to have been designed as an editorial measure, lacking substantive effect. The legislative history, cited with the proposed rule, demonstrates that no important change was being made in NRC's NEPA responsibilities, which under the 1982 statute were limited in the manner we have described. The statutory language is not surplusage, for NRC may have an obligation to prepare a supplemental EIS where there are new considerations or new information.

Department of Energy Comments

The Department of Energy, which is the prospective applicant affected by the proposed rules, agreed that NWPAs counsels against wide-ranging independent examination by NRC of environmental concerns during the course of the licensing proceedings. DOE also concurred with NRC's view that a judicial determination of adequacy of an EIS precludes further litigation of that issue and that failure to raise an issue within the time set out in NWPAs bars later challenge. The other DOE comments call for some clarification of the Commission's intentions, but do not prompt any fundamental change of the position that had previously been outlined.

For example, we can put to rest DOE's concern that NRC might defer its acceptance review of the license

application until the entire judicial review process on the EIS had run its course. Under the amendments, both as proposed and as adopted, the acceptance review applies only to the completeness of "the application," not "the application or environmental report" as under existing 10 CFR 2.101(f)(2).

We believe we can also satisfy DOE's concern with respect to our mention, at 53 FR 16132, that there may be a need for "multiple EIS's." The point being made was not that NRC might need to prepare its own EIS when DOE had already done so, but that the licensing process may involve more than one major federal action (for example, the construction of the repository on the one hand and the emplacement of waste on the other) that could necessitate the preparation of a supplemental EIS if not an entirely new one, if the impacts of such actions are not evaluated or properly encompassed in the initial EIS.

The responsibility for supplementation was another point of contention. DOE—along with some of the other commenters—argued that it would be inappropriate for it to be obliged to supplement its completed EIS in order to satisfy any independent NEPA responsibilities of the Commission. We agree with this statement. But, as DOE itself acknowledges, it might need to supplement the EIS if it were to make a substantial change in the proposed action or if significant new circumstances or information were to become available. That is all that is required by the regulatory language (10 CFR 60.24(c)).

However, in support of its position, DOE suggested that NRC adoption under the NWPAs provisions was related specifically to the EIS "submitted as part of the Department's recommendation to the President." But the language of Section 114(f) quite clearly applies to "any environmental impact statement prepared in connection with a repository proposed to be constructed" by DOE under NWPAs.

DOE is correct in pointing out that a supplemental EIS would not necessarily be required in the event of a substantial change in the proposed action, where the change and the impacts thereof had previously been considered in the original statement.

The principal remaining issue raised by DOE's comments concerns the appropriate role of NRC in DOE's NEPA activities. DOE suggests that NRC should be a "cooperating agency," a role that the Council on Environmental Quality has recognized as being appropriate in the licensor-licensee context. We are not persuaded. The

present situation is unique because—unlike the customary licensor-licensee situation—the particular statute guiding our approach (i.e., NWPAs) removes the balancing of environmental considerations from our independent judgment. Under these circumstances, it strikes us as particularly out of place for NRC to undertake the kind of critical evaluation that a "cooperating agency" should perform in the preparation of an EIS. The Commission, nevertheless, has jurisdiction and expertise that it can, and will, bring to DOE's attention as a commenting agency through the entire DOE NEPA process. We shall not hesitate, in particular, to raise concerns that might subsequently also require adjudication, under the standards of the Atomic Energy Act, in our licensing proceedings. Other issues, of course, can be identified in our comments as well. In other words, NRC as a commenting agency can and will play an important constructive role all the while from the scoping stage through preparation of the environmental impact statement; but as the sole responsibility for weighing the environmental impacts in support of a recommendation to the President is vested in DOE, DOE properly should be the agency with formal sponsorship of the EIS as well.

We respond, finally, to DOE's claim that the requirement for DOE to inform the Commission of the status of legal action on the repository is unnecessary, since this information is a matter of public record. As a general rule, the applicant has the burden of placing on the record those factual matters upon which NRC decisions may be predicated. Although we have not placed sole reliance upon principles of issue preclusion (collateral estoppel), it remains our position that a final judgment of a reviewing court with respect to the adequacy of the DOE final environmental impact statement would be controlling and would support our adoption of such FEIS. Accordingly, it is appropriate for DOE to report on the status thereof.

Industry Comments

Comments received from Edison Electric Institute generally supported the Commission's view that its essential responsibility under NWPAs is to address radiological safety issues under the Atomic Energy Act, and that the requirements of NEPA were substantively modified as they apply to the high-level nuclear waste program.

We decline to follow EEI's suggestion that issues related to adoption of DOE's environmental impact statement be made prior to the hearing process and outside the adjudicatory arena. As we have noted before, the impact statement does not simply "accompany" an agency recommendation for action in the sense

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of having some independent significance in isolation from the deliberative process. Rather the impact statement is an integral part of the Commission's decision. It forms as much a vital part of the NRC's decisional record as anything else. *Public Service Company of Oklahoma* (Black Fox Station, Units 1 and 2), CLI-80-31, 12 NRC 264, 275 (1980). Even though the range of issues to be considered in the hearing may be limited, the formal function of the environmental impact statement as an element of the licensing decision remains.

However, we find merit in EEI's proposal to fix an early schedule for the NRC staff to present its position on the practicability of adoption and for other parties to file contentions with respect to the practicability of adoption. Accordingly, the final rule requires the NRC staff to present its position on adoption at the time that the notice of hearing is published in the *Federal Register*. Any contentions filed by any other party to the proceeding must be filed within thirty days after the notice of hearing is published. In the event that "substantial new considerations or new information" subsequently arises, contentions concerning the practicability of adopting DOE's EIS that are filed after the 30-day deadline established in the rule must be accompanied by a demonstration of compliance with the late filing criteria in 10 CFR 2.1014.

Changes from the Proposed Rule

Section 51.67 Environmental Information Concerning Geologic Repositories

This section is revised to provide for the submission of environmental impact statements, pursuant to Title IV of NWPA, as amended, with respect to a Negotiator-selected site. A further change reflects DOE's comment that supplement would not be required where a modification to its plans had been previously addressed by its EIS.

Section 51.109 Public Hearings in Proceedings for Issuance of Materials License with Respect to a Geologic Repository

In the final rule, paragraph (a) incorporates a schedule for the staff to present its position on the practicability of adoption of the DOE environmental impact statement, and for the filing of contentions with respect thereto. Consistent with the recently-completed LSS (Licensing Support System) rulemaking, a period of thirty days after notice of hearing is provided for the submission of contentions.

Paragraph (c) is revised so that the special criterion for adoption, as discussed herein, will apply only with respect to the geologic repository at the

Yucca Mountain site. Any EIS for a Negotiator-selected site would be excluded from the application of this paragraph. A conforming change appears in paragraph (d).

Paragraph (e) is modified to emphasize that the Commission's customary policies will be observed except for adoption of an EIS prepared under Section 114. This is achieved by the insertion of the cross-reference ("in accordance with paragraph (c)") in the introductory clause. As the language has been modified, it permits the adoption of other DOE environmental impact statements with respect to a Negotiator-selected site in accordance with generally applicable law. This includes observance of the procedures outlined in 40 CFR 1506.3. This is addressed adequately in Appendix A to 10 CFR Part 51, Subpart A, and requires no further elaboration in the text of the rule.

Petition for Rulemaking

The Commission's earlier notice invited comments upon the related portions of a petition for rulemaking submitted by the States of Nevada and Minnesota, PRM-60-2A, 50 FR 51701, December 19, 1985. With the exception of the State of Nevada, none of the comments received by the Commission in response to the notice addressed the petition as such. The State of Nevada referred to the petition, recognized that some of the considerations therein have been mooted, and urged that alternative language be considered in the proposed rule, in place of that which they had recommended in the petition.

The section of the petition which provides language pertaining to the adoption of DOE's EIS (i.e., Section IV.3) is denied. However the issues identified by the petition regarding the criteria and procedures for adoption of DOE's EIS have been considered in this proceeding. Although the language being promulgated differs from that proposed by the petitioners, the Commission is in full agreement with the petitioners' argument that adoption of DOE's EIS must not compromise the independent responsibilities of NRC to protect the public health and safety under the Atomic Energy Act of 1954. Our rulemaking approach is in fact designed to enhance our ability to address these health and safety issues as effectively and objectively as possible.

Environmental Impact: Categorical Exclusion

The NRC has determined that this regulation is the type of action described in categorical exclusions 10 CFR 51.22(c)(1) and (3). Therefore, neither an environmental impact statement nor an environmental assessment has been prepared for this regulation.

Paperwork Reduction Act Statement

This final rule does not contain a new or amended information collection requirement subject to the Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq.). Existing requirements were approved by the Office of Management and Budget approval numbers 3150-0021 and 0127.

Regulatory Flexibility Certification

In accordance with the Regulatory Flexibility Act of 1980 (5 USC 605(b)), the Commission certifies that this rule will not have a significant economic impact on a substantial number of small entities. The only entity subject to regulation under this amended rule is the U.S. Department of Energy.

List of Subjects

10 CFR Part 2

Administrative practice and procedure, Antitrust, Byproduct material, Classified information, Environmental protection, Nuclear materials, Nuclear power plants and reactors, Penalty, Sex discrimination, Source material, Special nuclear material, Waste treatment and disposal.

10 CFR Part 51

Administrative practice and procedure, Environmental impact statement, Nuclear materials, Nuclear power plants and reactors, Reporting and record keeping requirements.

10 CFR Part 60

High-level waste, Nuclear power plants and reactors, Nuclear materials, Penalty, Reporting and record keeping requirements, Waste treatment and disposal.

Issuance

For the reasons set out in the preamble and under the authority of the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974, as amended, the National Environmental Policy Act of 1969, as amended, the Nuclear Waste Policy Act of 1982, as amended, and 5 U.S.C. 553, the NRC adopts the following amendments to 10 CFR Part 51, and related conforming amendments to 10 CFR Parts 2 and 60.

55 FR 10397

Published 3/21/90.

Effective 4/20/90

Preserving the Free Flow of Information to the Commission

See Part 30 Statements of Consideration

PART 60 • STATEMENTS OF CONSIDERATION

56 FR 40664
Published 8/15/91
Effective 9/16/91

*Revisions to Procedures to Issue
Orders; Deliberate Misconduct by
Unlicensed Persons*

**See Part 2 Statements of
Consideration**

57 FR 55062
Published 11/24/92
Effective 12/24/92

*Clarification of Statutory Authority for
Purposes of Criminal Enforcement*

See Part 11 Statements of Consideration

➤ **58 FR 52406**
Published 10/8/93
Effective 11/8/93

*Whistleblower Protection for
Employees of NRC-Licensed Activities*

See Part 19 Statements of Consideration

➤ **58 FR 54646**
Published 10/22/93

*Whistleblower Protection for
Employees of NRC-Licensed Activities:
Correction*

See Part 19 Statements of Consideration

Public Attendance at Certain Meetings Involving the NRC Staff

NUREG-1325, Rev. 10/2001

NUREG-1325, Rev. 10/2001

Handbook 3.5

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Introduction

This handbook provides the following types of information. It—

- Defines the types of agency meetings open to the public for observation; (1)
- Describes the means by which the public may learn when agency open meetings are being held; and (2)
- Specifies the procedures by which the staff provides sufficient information to the agency's central meeting announcement coordinator to announce public meetings. (3)

Part I

Definition of a Public Meeting

Public Meeting (A)

The NRC has a longstanding practice of providing the public with the fullest information practicable on its activities and conducting business in an open manner, while balancing the need for the NRC staff to exercise its regulatory and safety responsibilities without undue administrative burden. (1)

A public meeting is a planned, formal encounter open to public observation between one or more NRC staff members and one or more outside persons physically present at a single meeting site with the expressed intent of discussing substantive issues that are directly associated with NRC's regulatory and safety responsibilities. This policy applies solely to NRC staff-sponsored and staff-conducted meetings and not to meetings conducted by outside entities that NRC staff members might attend and participate in. (2)

The NRC recognizes that some meetings open under the policy statement may warrant a greater degree of public participation. If participation beyond that of observation is allowed for a particular meeting (e.g., if members of the public will have an opportunity to speak or ask questions), a description of the nature of this participation will be specified when the meeting is announced and at the outset of the meeting by the senior NRC official participating in the meeting. (3)

An outside person is any individual who is not—(4)

- An NRC employee; (a)
- Under contract to the NRC; (b)
- Acting in an official capacity as a consultant to the NRC; (c)

Applicability

(3.5-04) (continued)

- This directive does not apply to the Commission or to offices that report directly to the Commission. (042)
- This directive does not apply to or supersede any existing law, rule, or regulation that addresses public attendance at a specific type of meeting. (043)

Handbook

(3.5-05)

Detailed procedures and guidelines, as well as the definition of public meetings, are contained in Handbook 3.5.

References

(3.5-06)

1. The Government in the Sunshine Act, 5 U.S.C. 552b.
2. The Federal Advisory Committee Act, 5 U.S.C., Appendix I.
3. "Rules of Practice for Domestic Licensing Proceedings and Issuance of Orders," 10 CFR Part 2.
4. "Advisory Committees," 10 CFR Part 7.
5. "Public Records," 10 CFR Part 9.
6. "Staff Meetings Open to the Public; Final Policy Statement" (September 20, 1994; 59 FR 48340).

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U. S. Nuclear Regulatory Commission

Volume: 3 Information Management

Part: 1 Publications, Mail, and Information
Disclosure

ADM

Public Attendance at Certain Meetings Involving the NRC Staff Directive 3.5

Policy (3.5-01)

In furtherance of Commission intent to keep concerned citizens informed of any Commission activity in which they express an interest, meetings between the staff of the U.S. Nuclear Regulatory Commission (NRC) and outside persons will be open to attendance by all members of the general public in accordance with Part I of Handbook 3.5. This directive and handbook do not supersede the responsibilities of the NRC staff to notify parties to NRC proceedings about meetings that are open to public attendance.

Objectives (3.5-02)

- To ensure that members of the public have the opportunity to gain a full understanding of the agency's regulatory process through attendance at and observation of the agency's meetings with applicants, licensees, and others. (021)
- To ensure that applicable meetings are announced in a timely manner and to adequately inform interested members of the public. (022)
- To balance the NRC's desire for openness against the need for the NRC staff to exercise its regulatory and safety responsibilities without undue administrative burden. (023)

Organizational Responsibilities and Delegations of Authority

(3.5-03)

The Commission (031)

Establishes policy regarding public attendance at meetings conducted by the NRC staff.

The Executive Director for Operations (EDO) (032)

Ensures policy is implemented regarding public attendance at meetings conducted by the NRC staff.

Office Directors and Regional Administrators (033)

Implement the policy in this directive for the receipt and dissemination of public meeting notices.

The Director, Office of Administration (ADM) (034)

Develops and administers a program for the receipt and dissemination of notices of public meetings.

The Director, Division of Freedom of Information and Publications Services, ADM (035)

As delegated from the Director, ADM, develops and administers a program for the receipt and dissemination of notices of public meetings.

Applicability (3.5-04)

- This directive applies to meetings between the staff and outside persons as defined in Handbook 3.5, Part I. (041)

Public Meeting (A) (continued)

- Acting in an official capacity as a representative of an agency of the executive, legislative, or judicial branch of the U.S. Government (except when the agency is subject to NRC regulatory oversight); or (d)
- Acting in an official capacity as a representative of a foreign government. (e)
- Acting in an official capacity as a representative of a State or local government (except when specific NRC licensing or regulatory matters are discussed). (f)

The Commission, Commission Offices, and Other Exemptions (B)

This definition applies to meetings between the NRC staff and outside persons. It does not apply to the Commission or offices that report directly to the Commission. Similarly, it does not apply to meetings between the NRC staff and representatives of State and local governments, including Agreement State representatives, relating to NRC Agreement State activities or to State regulatory actions or to other matters of general interest to the State or to the Commission, that is, matters other than specific NRC licensing or regulatory actions involving specific licensees. Also, the definition of a public meeting is not intended to apply to or supersede any existing law, rule, regulation, or policy statement that addresses public attendance at a specific type of meeting. For example, 10 CFR Part 7 specifically addresses public attendance at advisory committee meetings, and 10 CFR Part 9, Subpart C, addresses public attendance at Commission meetings. The policy also does not negate existing Memoranda of Understanding, procedural agreements, or other formal agreements or requirements regarding the accessibility of the public to observe or participate in meetings between NRC and its licensees or any other entities. In addition, the policy does not apply to meetings involving enforcement matters under 10 CFR Part 2, Appendix C, nor to settlement conferences. (1)

In general, meetings between the NRC staff and outside persons will be public meetings unless the NRC staff determines that—(2)

- The *subject matter* to be discussed—(a)

The Commission, Commission Offices, and Other Exemptions (B) (continued)

- Is specifically authorized by an Executive Order to be kept secret in the interests of national defense or foreign policy (classified information); or is specifically exempted from public disclosure by statute; (i)
 - Contains trade secrets and commercial or financial information (proprietary information); (ii)
 - Contains safeguards information; (iii)
 - Is of a personal nature where disclosure would constitute a clearly unwarranted invasion of personal privacy; (iv)
 - Is related to a planned, ongoing, or completed investigation and/or contains information compiled for law enforcement purposes; (v)
 - Could result in the inappropriate disclosure and dissemination of preliminary, unverified information; (vi)
 - Is a general information exchange having no direct, substantive connection to a specific NRC regulatory decision or action. (vii)
- The administrative burden associated with public attendance at the meeting could result in interfering with the NRC staff's execution of its safety and regulatory responsibilities, such as when the meeting is an integral part of the execution of the NRC inspection program. (b)

It is important to note that whether or not a meeting should be open for public attendance is dependent primarily on the subject matter to be discussed, not on who outside nor who within the NRC staff is participating (e.g., staff level versus senior management). (3)

Also note that meetings between staff and licensees or trade groups to discuss technical issues or licensee performance would normally be open because they may lead to a specific regulatory decision or action. However, should a meeting involving a general information exchange be closed and should discussions during such a meeting approach issues that might lead to a specific regulatory decision or action, the NRC staff may advise the meeting attendees that such matters cannot be discussed in a closed meeting and propose discussing the issues in a future open meeting. (4)

The Commission, Commission Offices, and Other Exemptions (B) (continued)

The staff shall inform outside persons if a meeting will be a public meeting to allow them to raise concerns regarding confidential information before a meeting, should that be necessary. (5)

This meeting policy is a matter of NRC discretion and may be departed from as NRC convenience and necessity may dictate. Any deviation from this policy must be approved by a branch chief or higher level official. (6)

Examples of Staff Meetings (C)

The following examples of meetings that are typically open or typically closed to public attendance are not intended to be all-inclusive but to establish a thought process that can be used to make decisions on any meeting scenario.

Meetings Typically Open to the Public (1)

Staff Meetings With Licensees or Applicants Relating to Licensing Issues (a)

A meeting conducted by the NRC technical staff with applicants or licensees as part of its review of a particular domestic license or permit application (including an application for an amendment to a license or permit) will be open to attendance to all parties or petitioners for leave to intervene in the case, who may attend only as observers and, to the extent of available space, to interested members of the public.

Staff Meetings With Parties or Petitioners With Leave To Intervene in a Case (b)

A meeting conducted between the NRC technical staff and other parties or petitioners with leave to intervene in a case regarding the staff's review of the licensing action will be open to applicants or licensees, who may attend only as observers and, to the extent of available space, to interested members of the public.

Headquarters and Regional Staff Working-Level Meetings With Licensees (c)

Representatives of a utility licensed to operate a nuclear power plant request the opportunity to hold a "working level" meeting with the

Examples of Staff Meetings (C) (continued)

Meetings Typically Open to the Public (1) (continued)

Headquarters and Regional Staff Working-Level Meetings With Licensees (c) (continued)

NRC headquarters or regional staff to provide the staff with additional technical information related to a proposed license amendment (change to the Technical Specifications) the staff is reviewing. The discussions that would take place at this meeting could directly impact an NRC regulatory decision or action (granting of the proposed license amendment request); therefore, this meeting should be a public meeting.

Facility Shutdown and Restart Meetings (d)

The NRC staff has issued an order shutting down a nuclear power plant because of potential safety concerns. Representatives of the utility licensed to operate the facility request a meeting with several NRC staff to discuss the actions they have taken to address the staff's concerns, as well as to discuss possible restart of the facility. The discussions that would take place at this meeting could directly impact an NRC regulatory decision or action (proposed restart of the facility); therefore, this meeting should be a public meeting. In this case, it may also be necessary to obtain alternate meeting space away from the site to support public attendance.

Incident Investigation and Augmented Inspection Team Exit Meetings (e)

In reaction to an event at a nuclear power plant the NRC establishes an Incident Investigation Team (IIT) or an Augmented Inspection Team (AIT) to thoroughly evaluate the situation at the site. Upon completion of the evaluation, an exit meeting is held with the licensee to discuss the team's findings. The exit meetings for IITs and AITs will normally be open to the public unless the EDO (in the case of an IIT) or the appropriate regional administrator (in the case of an AIT), in consultation with the Director, Office of Public Affairs, decides the criteria contained in this guidance indicate it is appropriate to have a closed meeting. Alternatively, in connection with AIT public meetings or IIT public meetings, the EDO or the regional administrator may decide it is more appropriate to have a separate public meeting and/or press conference in lieu of the public exit meeting with the licensee.

Examples of Staff Meetings (C) (continued)

Meetings Typically Open to the Public (1) (continued)

Staff Meetings With a Nuclear Steam Supply System Vendor on Confirmatory Research for the Vendor's Application for Design Certification (f)

NRC officials desire to meet with representatives of a nuclear steam supply system (NSSS) vendor and representatives of a foreign government to discuss the specific confirmatory research related to the vendor's application for design certification under 10 CFR Part 52 that will need to be performed. The confirmatory research will influence the NRC staff's design certification review. Although a meeting with representatives of a foreign government would not need to be a public meeting, a meeting with representatives of the vendor would. Accordingly, this meeting should be a public meeting.

Nuclear Energy Institute (g)

Representatives of the Nuclear Energy Institute (NEI) desire to meet with several NRC staff to discuss the proposed staff position delineated in a draft generic letter. The discussions that would take place at this meeting could directly impact an NRC regulatory decision or action (development and adoption of proposed staff position); therefore, this meeting should be a public meeting.

Meetings Typically Closed to the Public (2)

Inspector Meetings With Licensee Management and Technical Staff (a)

The senior resident inspector and the resident inspector at a nuclear power plant may hold short meetings as needed with the plant manager to discuss activities at the facility. Arranging for public attendance at these types of meetings would place an undue administrative burden (for example, establishing access authorization to the protected area for members of the public) on the licensee and inspectors and would result in substantially interfering with their performing their safety and regulatory responsibilities; therefore, these types of meetings would not need to be public meetings. Similarly, headquarters and regional inspectors evaluating a specific discipline will meet with licensee management and technical staff to discuss current program status and issues. These meetings are

Examples of Staff Meetings (C) (continued)

Meetings Typically Closed to the Public (2) (continued)

Inspector Meetings With Licensee Management and Technical Staff (a) (continued)

considered an integral part of the NRC's inspection effort and thus are not open to the public.

“Drop-in” Meetings or Similar Management Meetings (b)

Senior executives of a utility licensed to operate a nuclear power plant request the opportunity to conduct a “drop-in” visit or similar management meeting with the Executive Director for Operations, with other senior managers at agency headquarters, or with senior managers of the regional office in which their facility is located. “Drop-in” visits or similar management meetings typically consist of a general exchange of information not directly related to any regulatory action or decision; therefore, such meetings would not typically need to be public meetings.

Budget Meetings With Office of Management and Budget Officials (c)

Officials from the Office of Management and Budget (OMB) desire to meet with NRC officials to discuss the NRC's proposed budget for the next fiscal year. The OMB officials are acting in their official capacities as representatives of the executive branch and are not considered “outside persons” in the definition of a public meeting; therefore, this meeting would not be a public meeting.

Staff Meetings With an NSSS Vendor About a Change in Schedule for the Vendor's Application Submission (d)

Several NRC staff desire to meet with an NSSS vendor at the vendor's office to discuss the vendor's application for design certification under 10 CFR Part 52. The NRC staff desires to discuss the timeframe and schedule for submission of certain portions of the application, as well as the impact that the vendor's not meeting these deadlines would have on the NRC staff's review of the application. The NRC staff does not desire to discuss any technical or safety issues associated with the application. These discussions are not an information exchange related to any substantive issues associated with NRC's regulatory and safety responsibilities; therefore, this meeting would not be a public meeting.

Examples of Staff Meetings (C) (continued)

Meetings Typically Closed to the Public (2) (continued)

Staff Meetings With NRC Contractors (e)

NRC officials desire to meet with representatives of an organization under contract to NRC to do confirmatory research related to an advanced light-water reactor design certification application. The organization (since it is under contract to NRC) is not an outside person; therefore, this meeting would not need to be a public meeting.

Staff Meeting With an Allegor of Wrongdoing (f)

Several NRC officials desire to meet and interview an employee of an organization licensed by NRC to possess certain types of radioactive materials regarding the employee's allegations of wrongdoing by the organization. The discussions are related to ongoing investigatory activities; therefore, this meeting would not need to be a public meeting.

Inspection Exit Meetings (g)

Upon conclusion of an inspection, NRC inspectors meet and discuss with the licensee of a nuclear power plant the preliminary results of their inspection activities (an exit meeting). Since the inspectors' findings are preliminary in that they are subject to NRC management review, open meetings could result in the inappropriate disclosure of preliminary, unverified information. Therefore, routine inspection exit meetings are generally not open to public attendance. Attendance at the exit meeting by representatives of Agreement States or adjacent States, for example, would be governed by the policy agreed to by a specific State and the NRC concerning attendance by such representatives.¹

Fitness-for-Duty Meetings (h)

NRC officials desire to meet with representatives of a utility licensed to operate a nuclear power plant to discuss preliminary information regarding the fitness for duty of a specific licensed reactor operator.

¹In certain significant cases of high public interest, the regional administrator or the office director, in consultation with the Director, Office of Public Affairs, may decide it is appropriate to allow public attendance or have a separate public meeting to discuss the results of the inspection or review.

Examples of Staff Meetings (C) (continued)

Meetings Typically Closed to the Public (2) (continued)

Fitness-for-Duty Meetings (h) (continued)

The meeting would not need to be a public meeting because public discussion of the licensed individual could be an invasion of personal privacy.

Staff Review Visits to Licensee Corporate and Plant Facilities (i)

A reviewer from the Office of Nuclear Reactor Regulation (NRR) is going to the utility corporate office to examine design calculations before writing the safety evaluation report. As a followup, the reviewer goes to the site the following week to review the in-plant design implementation. The timing of the exit interview is fluid based on licensee activities and/or sufficient development by NRC of any NRC findings.¹ Opening the meeting would thus constitute an undue administrative burden.

Project Manager and Regional Staff Meeting With the Licensee Following System Modification Problems (j)

A licensee performed a modification on its unit's rod control system. The modification was not reviewed and not required to be reviewed by the NRC staff. During postmodification testing, some problems are encountered. The NRC inspection staff learns of problems with both the hardware and the test procedure and discusses the concerns with NRC management. The NRR project manager and regional management decide that they need to meet with licensee management to discuss NRC's concerns regarding problems with the modification and testing. This meeting need not be open to the public because the NRC concerns are based on preliminary, unverified information.

Regional Management Meeting With the Licensee Regarding Preliminary Calculations (k)

During a design basis reconstitution effort, a licensee determines through preliminary calculations that in the past its service water system (ultimate heat sink) may not have been able to provide design basis flow to all heat loads under accident conditions. The licensee informs the NRC verbally of the potential past problem. Current test results demonstrate that the system is operable. The computer

Examples of Staff Meetings (C) (continued)

Meetings Typically Closed to the Public (2) (continued)

Regional Management Meeting With the Licensee Regarding Preliminary Calculations (k) (continued)

modelling required to determine if the system had, in the past, been inoperable is complex and will take 1 month to complete. Regional management and technical experts meet with the licensee to get a better understanding of the problem, its consequences, and the ongoing evaluation. This meeting is not open to the public because it could result in the release of preliminary, unverified information.

NRC Management Visit to a Licensee Facility (l)

An NRC manager may visit a facility on short notice or without any notice for purposes other than meeting with licensee officials. These purposes may include but are not limited to monitoring and assessing the performance of NRC subordinates, touring the facility, or independently assessing licensee performance. During such a trip, the manager may visit licensee officials and may discuss substantive regulatory issues with them. Opening such a meeting to the public would constitute an undue administrative burden and could impede the efficient execution of the NRC's safety and regulatory responsibilities.

Part II

Announcing Meetings Open to the Public

Formal Notice of Public Meetings (A)

Meetings open to the public should normally be announced to the public and to the Commission at least 10 calendar days in advance of the date of the meeting and may be announced up to 60 calendar days before the meeting. Outside persons with whom the staff is meeting should be informed when a meeting is to be open for public observation or participation. (1)

Meetings will be announced to the public through the Weekly Compilation of Press Releases, on a toll-free telephone recording and computer bulletin board, and through notices posted in the Public Document Room. (2)

The Commission will be informed of all public meetings by the meeting announcement coordinator, Office of Administration (ADM), Division of Freedom of Information and Publications Services (DFIPS), following receipt of meeting notices from agency offices in accordance with Sections (B)(1) and (2) of this part. (3)

Procedures for Noticing Public Meetings (B)

To notice a public meeting, provide the information specified in NRC Form 549, "Public Meeting Announcement Data Input" (Exhibit 1), to the meeting announcement coordinator, ADM, DFIPS, at least 10 calendar days in advance of the meeting by facsimile (301) 415-5130 or mail (Mail Stop T-6 D8) in accordance with guidelines specified on NRC Form 549. The staff may also submit meeting announcements to the meeting announcement coordinator by E-mail at the following address: PMNS. (1)

Procedures for Noticing Public Meetings (B) (continued)

When a party in a proceeding or a petitioner for leave to intervene requests information about forthcoming meetings conducted by the NRC staff, reasonable effort is made by the NRC staff to inform the party or petitioner of these meetings. When this notice is given to parties in a proceeding, the staff may submit a copy of that notice to the meeting announcement coordinator if it contains the mandatory information requested in NRC Form 549. (2)

Upon receipt of NRC Form 549, or other acceptable notice, the meeting announcement coordinator will enter the pertinent information into the computerized Public Notice File database and disseminate the notices as follows: (3)

- A weekly report of all meetings, by date and in time-of-day order, contained in the file as of 10:00 a.m. on Friday of each week by agency mail to the following organizations: (a)
 - The Commission (i)
 - Office of the Secretary (ii)
 - The Executive Director for Operations (iii)
 - Program office directors, regional administrators and, at their request, other office directors (iv)
 - Director, Office of Public Affairs (v)
 - The Public Document Room for posting (vi)
 - Chairmen of the Advisory Committees on Nuclear Waste and Reactor Safeguards (vii)
- A daily report by facsimile will be sent to the same recipients **only when** a meeting has been newly scheduled, cancelled, or changed within the following 10 calendar days. (b)

The meeting announcement coordinator will update information for the toll-free telephone recording on a daily basis. (4)

Meetings scheduled with less than a 10-calendar-day public notice must be approved in writing by the appropriate branch chief before the notice is submitted to the meeting announcement coordinator. (5)

Volume 3, Part 1 - Publications, Mail, and Information Disclosure
 Public Attendance at Certain Meetings Involving the NRC Staff
 Handbook 3.5 Exhibits

Exhibit 1
 NRC Form 549, "Public Meeting Announcement
 Data Input"

NRC FORM 549 (8-94) NRCMD 3.5		U. S. NUCLEAR REGULATORY COMMISSION		MEETING		MEETING NOTICE NUMBER (FOIA/MPR BRANCH WILL COMPLETE)	
PUBLIC MEETING ANNOUNCEMENT DATA INPUT				NEW			
				REVISED			
<i>(Fields with shaded headings are mandatory)</i>							
MEETING DATE (MANDATORY)				MEETING TIME (MANDATORY)		FACSIMILE TELEPHONE (Include Area Code)	
FROM				TO		BEGINNING	
						ENDING (if known)	
						a.m.	
						p.m.	
						a.m.	
						p.m.	
						a.m.	
						p.m.	
MEETING LOCATION							
BUILDING				STREET ADDRESS			
ROOM NUMBER				CITY AND STATE			
PURPOSE OF MEETING							
COMMENTS (96 characters available)							
						MEETING	
						PUBLIC	
						NON-PUBLIC	
DOCKET OR PROJECT NUMBER				and/or FACILITY NAME			
APPROVAL - (Required for fewer than 10 calendar days advance notice)							
SIGNATURE - BRANCH CHIEF						DATE	
RETURN THIS FORM TO: MEETING NOTICE COORDINATOR, MAIL STOP T-6 D6 FACSIMILE (301) 415-6130, TELEPHONE (301) 415-7082, E-MAIL: PMNS							



LICENSE AUTHORITY FILE COPY
UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

DO NOT REMOVE

Full Power
License
Issued 10-18-84

UNION ELECTRIC COMPANY
DOCKET NO. STN 50-483
CALLAWAY PLANT UNIT NO. 1
FACILITY OPERATING LICENSE

License No. NPF-30

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for license filed by Union Electric Company (licensee), complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act); and the Commission's regulations set forth in 10 CFR Chapter I, and all required notifications to other agencies or bodies have been duly made;
 - B. Construction of the Callaway Plant, Unit No. 1 (the facility) has been substantially completed in conformity with Construction Permit No. CPPR-139 and the application, as amended, the provisions of the Act, and the regulations of the Commission;
 - C. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the regulations of the Commission;
 - D. There is reasonable assurance: (i) that the activities authorized by this operating license can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations set forth in 10 CFR Chapter I;
 - E. Union Electric Company is technically qualified to engage in the activities authorized by this license in accordance with the Commission's regulations set forth in 10 CFR Chapter I;
 - F. The licensee has satisfied the applicable provisions of 10 CFR Part 140 "Financial Protection Requirements and Indemnity Agreements," of the Commission's regulations;
 - G. The issuance of this license will not be inimical to the common defense and security or to the health and safety of the public;

- H. After weighing the environmental, economic, technical and other benefits of the facility against environmental and other costs and considering available alternatives, the issuance of this Facility Operating License No. NPF-30, subject to the conditions for protection of the environment set forth in the Environmental Protection Plan attached as Appendix B, is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied; and
 - I. The receipt, possession, and use of source, byproduct and special nuclear material as authorized by this license will be in accordance with the Commission's regulations in 10 CFR Parts 30, 40 and 70.
2. Pursuant to approval by the Nuclear Regulatory Commission at a meeting on October 4, 1984, the License for Fuel Loading and Low Power Testing, License No. NPF-25, issued on June 11, 1984, is superseded by Facility Operating License No. NPF-30 hereby issued to Union Electric (UE) to read as follows:
- A. The license applies to the Callaway Plant, Unit No. 1, a pressurized water nuclear reactor and associated equipment (the facility), owned by Union Electric Company. The facility is located in central Missouri within Callaway County, Missouri, and is described in the licensee's "Final Safety Analysis Report", as supplemented and amended, and in the licensee's Environmental Report, as supplemented and amended.
 - B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses Union Electric Company (UE):
 - (1) Pursuant to Section 103 of the Act and 10 CFR Part 50 "Domestic Licensing of Production and Utilization Facilities," UE to possess, use and operate the facility at the designated location in Callaway County, Missouri, in accordance with the procedures and limitations set forth in this license;
 - (2) UE, pursuant to the Act and 10 CFR Part 70, to receive, possess and use at any time special nuclear material as reactor fuel, in accordance with the limitations for storage and amounts required for reactor operation, as described in the Final Safety Analysis Report, as supplemented and amended;
 - (3) UE, pursuant to the Act and 10 CFR Parts 30, 40 and 70, to receive, possess, and use at any time any byproduct, source and special nuclear material as sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required;

- (4) UE, pursuant to the Act and 10 CFR Parts 30, 40 and 70, to receive, possess, and use in amounts as required any byproduct, source of special nuclear material without restriction to chemical or physical form, for sample analysis or instrument calibration or associated with radioactive apparatus or components; and
- (5) UE, pursuant to the Act and 10 CFR Parts 30, 40 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility.

C. This license shall be deemed to contain and is subject to the conditions specified in the Commission's regulations set forth in 10 CFR Chapter I and is subject to all applicable provisions of the Act and to the rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:

(1) Maximum Power Level

UE is authorized to operate the facility at reactor core power levels not in excess of 3565 megawatts thermal (100% power) in accordance with the conditions specified herein and in Attachment 1 to this license. The preoperational tests, startup tests and other items identified in Attachment 1 to this license shall be completed as specified. Attachment 1 is hereby incorporated into this license.

Amend.
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3-30-8

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 9³, and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto, are hereby incorporated into the license. UE shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

(3) Environmental Qualification (Section 3.11, SSER #3)*

- (a) Prior to ^{November 30, 1985} ~~March 31, 1985~~, UE shall environmentally qualify all electrical equipment accordingly to the provisions of 10 CFR 50.49. Amend #5 3/28/8
- (b) Prior to restart following the first refueling outage, UE shall have qualified the reactor vessel level instrumentation system high volume sensor.

*The parenthetical notation following the title of many license conditions denotes the section of the Safety Evaluation Report and/or its supplements wherein the license condition is discussed.

(4) Surveillance of Hafnium Control Rods (Section 4.2.3.1(10), SER and SSER #2)

UE shall perform a visual inspection of a sample of hafnium control rods during one of the first five refueling outages. A summary of the results of these inspections shall be submitted to the NRC.

(5) Fire Protection (Section 9.5.1.7, SER and Section 9.5.1.8, SSER #3)

(a) Within 60 days of acquisition of the 100% power data for thermal and dynamic testing, UE shall have operable the Halon systems in the north electrical penetration room (fire area A-18).

(b) Prior to restart following the first extended outage of known duration greater than two weeks occurring after February 15, 1985 or prior to restart following the first refueling outage which ever occurs first, UE shall have completed the installation of the five new isolation switches and modification to the four existing isolation switches identified in the August 23, 1984 SNUPPS letter.

(c) The licensee shall implement and maintain in effect all provisions of the approved fire protection program as described in the SNUPPS Final Safety Analysis Report for the facility through Revision 15, the Callaway site addendum through Revision 8, and as approved in the SER through Supplement 4, subject to provision d below.

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1-13-88

(d) The licensee may make changes to the approved fire protection program without prior approval of the Commission only if those changes would not adversely affect the ability to achieve and maintain safe shutdown in the event of a fire.

~~(e) The licensee may make changes to features of the approved fire protection program which do not decrease the level of fire protection without prior Commission approval after such features have been installed as approved, provided such changes do not otherwise involve a change in a license condition or technical specification or result in an unreviewed safety question (see 10 CFR 50.59). However, the licensee shall maintain, in an auditable form, a current record of all such changes including an analysis of the effects of the change on the fire protection program and shall make~~

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~~such records available to NRC inspectors upon request. All changes to the approved program made without prior Commission approval shall be reported to the Director of the Office of Nuclear Reactor Regulation, together with supporting analyses, on an annual basis.~~

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Amat. # 301

(6) Qualification of Personnel (Section 13.1.2, SSER #3, Section 18, SSER #1)

- (a) UE shall have on each shift operators who meet the requirements described in Attachment 2.
- (b) UE shall have a senior individual with previous operating experience on a commercial PWR assigned to assist the Plant Manager as an advisor during the startup test program and for one year following full power operation.

(7) NUREG-0737 Conditions (Section 22, SER)

UE shall complete the following conditions to the satisfaction of the NRC. These conditions reference the appropriate items in Section 22.2, "TMI Action Plan Requirements for Applicants for Operating Licenses," in the Safety Evaluation Report and Supplements 1, 2, 3 and 4 NUREG-0830.

(a) Detailed Control Room Design Review (I.D.1, SSER #4)

Prior to May 1, 1985, UE shall submit for review and approval by the NRC staff, the results of the function and task analysis. For those Human Engineering Discrepancies (HEDs) identified by this analysis that require correction, the submittal shall include the proposed correction and implementation schedule; and for those HEDs for which no planned correction is proposed, a basis for that determination shall be documented.

(b) Emergency Response Capabilities (Generic Letter 82-33, Supplement 1 to NUREG-0737)

Prior to restart following the first refueling outage, UE shall have a fully functional Technical Support Center and Emergency Operations Facility and a fully operable Emergency Response Facilities Information System (ERFIS).

(c) Regulatory Guide 1.97 (Section 7.5.2.3, SSER #3)

Prior to restart following the first refueling outage, UE shall have installed and operable the following instrumentation.

- 1) Source range instrumentation qualified to post-accident conditions
- 2) Reactor vessel water level instrumentation
- 3) Subcooling monitors
- 4) Radiation monitors for releases from steam generator safety/relief valves or atmospheric dump valves, and
- 5) Auxiliary feedwater pump turbine exhaust monitor

(8) Post-Fuel-Loading Initial Test Program (Section 14, SER)

UE shall conduct the post-fuel-loading initial test program described in Chapter 14 of the FSAR, as amended, without making any major modifications unless such modifications have prior NRC approval. Major modifications are defined as:

- (a) elimination of any safety-related test*
- (b) modification of objectives, test method, or acceptance criteria for any safety-related test
- (c) performance of any safety-related test at a power level different from that stated in the FSAR by more than 5 percent of rated power
- (d) failure to satisfactorily complete the entire initial start-up test program by the time core burnup equals 120 effective full power days
- (e) deviation from initial test program administrative procedures or quality assurance controls described in the FSAR

*Safety-related tests are those tests which verify the design, construction, and operation of safety-related systems, structures, and equipment.

(f) delays in test program in excess of 30 days (14 days if power level exceeds 50 percent), concurrent with power operation. If continued power operation is desired during a delay, the licensee shall provide justification that adequate testing has been performed and evaluated to demonstrate that the facility can be operated at the planned power level with reasonable assurance that the health and safety of the public will not be endangered.

(9) Inservice Inspection Program (Sections 5.2.4 and 6.6, SER)

Within nine months of the date of this license, UE shall submit for staff review and approval, the inservice inspection program which conforms to the ASME Code in effect 12 months prior to the date of issuance of this license.

(10) Emergency Planning

In the event that the NRC finds that the lack of progress in completion of the procedures in the Federal Emergency Management Agency's final rule, 44 CFR Part 350, is an indication that a major substantive problem exists in achieving or maintaining an adequate state of emergency preparedness, the provisions of 10 CFR Section 50.54(s)(2) will apply.

(11) Steam Generator Tube Rupture (Section 15.4.4, SSER #3)

Prior to restart following the first refueling outage, UE shall submit for NRC review and approval an analysis which demonstrates that the steam generator single-tube rupture (SGTR) analysis presented in the FSAR is the most severe case with respect to the release of fission products and calculated doses. Consistent with the analytical assumptions, the licensee shall propose all necessary changes to Appendix A to this license.

(12) Low Temperature Overpressure Protection (Section 15, SSER #3)

By January 1, 1985, UE shall submit for NRC review and approval a description of equipment modifications to the residual heat removal system (RHRS) suction isolation valves and to closure circuitry which conform to the applicable staff requirements (SRP 5.2.2). Within one year of receiving NRC approval of the modifications, UE shall have the approved modifications installed. Alternately, by January 1, 1985, UE shall provide acceptable justification for reliance on administrative means alone to meet the staff's RHRS isolation requirements, or otherwise, propose changes to Appendix A to this license which remove reliance on the RHRS as a means of low temperature overpressure protection.

(13) LOCA Reanalysis (Section 15, SSER #3)

Prior to restart following the first refueling outage, UE shall submit for NRC review and approval a reanalysis for the worst large break LOCA using an approved ECCS evaluation model. At this time that model is the 1981 Westinghouse model. A modified version of the 1981 model which includes the BART computer code may be used.

(14) Generic Letter 83-28

UE shall submit responses to and implement the requirements of Generic Letter 83-28 on a schedule which is consistent with that given in its May 21, 1984 letter.

- D. An Exemption from certain requirements of Appendix J to 10 CFR Part 50, are described in the October 9, 1984 staff letter. This exemption is authorized by law and will not endanger life or property or the common defense and security and are otherwise in the public interest. Therefore, this exemption is hereby granted pursuant to 10 CFR 50.12. With the granting of this exemption the facility will operate, to the extent authorized herein, in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission.

2. E. UE shall fully implement and maintain in effect all provisions of the Commission-approved physical security, guard training and qualification, and safeguards contingency plans including amendments made pursuant to provisions of the Miscellaneous Amendments and Search Requirements revisions to 10 CFR 73.55 (51 FR 27817 and 27822) and to the authority of 10 CFR 50.90 and 10 CFR 50.54(p). The plans, which contain Safeguards Information protected under 10 CFR 73.21, are entitled: "Callaway Physical Security Plan," with revisions submitted through November 17, 1987; "Callaway Security Force Training and Qualification Plan," with revision submitted through November 21, 1986; and "Callaway Safeguards Contingency Plan," with revisions submitted through November 21, 1986. Changes made in accordance with 10 CFR 73.55 shall be implemented in accordance with the schedule set forth therein.

Amc
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6-21-88

- F. With the exception of 2.C(2) UE shall report any violations of the requirements contained in Section 2.C, of this license within 24 hours. Initial notification shall be made in accordance with the provisions of 10 CFR 50.72 with written followup in accordance with the procedures described in 10 CFR 50.73(b), (c), (d), and (e).
- G. UE shall have and maintain financial protection of such type and in such amounts as the Commission shall require in accordance with Section 170 of the Atomic Energy Act of 1954, as amended, to cover public liability claims.
- H. This license is effective as of the date of issuance and shall expire at Midnight on October 18, 2024.

FOR THE NUCLEAR REGULATORY COMMISSION



Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Attachments/Appendices:

- 1. Attachment 1
- 2. Attachment 2
- 3. Appendix A - Technical Specifications (NUREG-1058, Revision 1)
- 4. Appendix B - Environmental Protection Plan

Date of Issuance: OCT 18 1984

DO NOT REMOVE

*Issued With Full
Power License NPF-3
10-18-84*

ATTACHMENT 1

This attachment identifies items which must be completed to the Commission's satisfaction in accordance with the operational modes as identified below.

- A. The licensee shall implement Radiation/Chemical Technician refresher training within six months following fuel load.
- B. The licensee shall install a permanent area monitor on the manipulator crane prior to the entering Mode 6 (refueling mode).

Operating Staff Experience Requirements

UE shall have a licensed senior operator on each shift who has had at least six months of hot operating experience on a same type plant, including at least six weeks at power levels greater than 20% of full power, and who has had start-up and shutdown experience. For those shifts where such an individual is not available on the plant staff, an advisor shall be provided who has had at least four years of power plant experience, including two years of nuclear plant experience, and who has had at least one year of experience on shift as a licensed senior operator at a similar type facility. Use of advisors who were licensed only at the RO level will be evaluated on a case-by-case basis. Advisors shall be trained on plant procedures, technical specifications and plant systems, and shall be examined on these topics at a level sufficient to assure familiarity with the plant. For each shift, the remainder of the shift crew shall be trained in the role of the advisors. The training of the advisors and remainder of the shift crew shall be completed prior to exceeding 5% power. Prior to exceeding 5% power, UE shall certify to the NRC the names of the advisors who have been examined and have been determined to be competent to provide advice to the operating shifts. These advisors shall be retained until the experience levels identified in the first sentence above have been achieved. The NRC shall be notified at least 30 days prior to the date UE proposes to release the advisors from further service.

Issued with
Fuel Power
License NPF-30
10-18-84