



U.S. NUCLEAR REGULATORY COMMISSION
STANDARD REVIEW PLAN
 OFFICE OF NUCLEAR REACTOR REGULATION

APPENDIX 7-B

GENERAL AGENDA, STATION SITE VISITS

An important part of the review at the operating license stage is a site visit. It is preferable to have the site visit sometime before the completion of the drawing review. The purpose of the site visit is to supplement the review of the design based on the drawings and to evaluate the actual implementation of the design as installed at the site. The Regional Office of Regulatory Operations having jurisdiction over the plant under consideration should be notified ahead of time of the visit so that the regional inspectors can become familiar on a first-hand basis with findings that may require followup action. Since proper implementation of design is the ultimate goal of the technical review process, the importance of a site visit is self-evident. The following is a typical general agenda that may be used as a guide for developing a specific agenda for the plant under review.

1. Preliminary Discussions
 - a. Unresolved items.
 - b. Plant layout for touring.
 - c. Special interest areas.

2. Control Room
 - a. General layout.
 - b. Nuclear and reactor protection instrument arrangement and layout.
 - c. Rod position indication.
 - d. Protection system initiation and bypass switch arrangements.
 - e. Diesel control board.
 - f. Cabling in control room (separation, loading, etc.).
 - g. Radiation monitoring.
 - h. Engineered safety feature initiation and bypass switch arrangements and status panels.

3. Cable Runs and Cable Spreading Area
 - a. General layout.
 - b. Degree of separation.
 - c. Diverse wiring.
 - d. Tray or wireway density (percentage fill).

 USNRC STANDARD REVIEW PLAN

Standard review plans are prepared for the guidance of the Office of Nuclear Reactor Regulation staff responsible for the review of applications to construct and operate nuclear power plants. These documents are made available to the public as part of the Commission's policy to inform the nuclear industry and the general public of regulatory procedures and policies. Standard review plans are not substitutes for regulatory guides or the Commission's regulations and compliance with them is not required. The standard review plan sections are keyed to Revision 2 of the Standard Format and Content of Safety Analysis Reports for Nuclear Power Plants. Not all sections of the Standard Format have a corresponding review plan.

Published standard review plans will be revised periodically, as appropriate, to accommodate comments and to reflect new information and experience.

Comments and suggestions for improvement will be considered and should be sent to the U.S. Nuclear Regulatory Commission, Office of Nuclear Reactor Regulation, Washington, D.C. 20555.

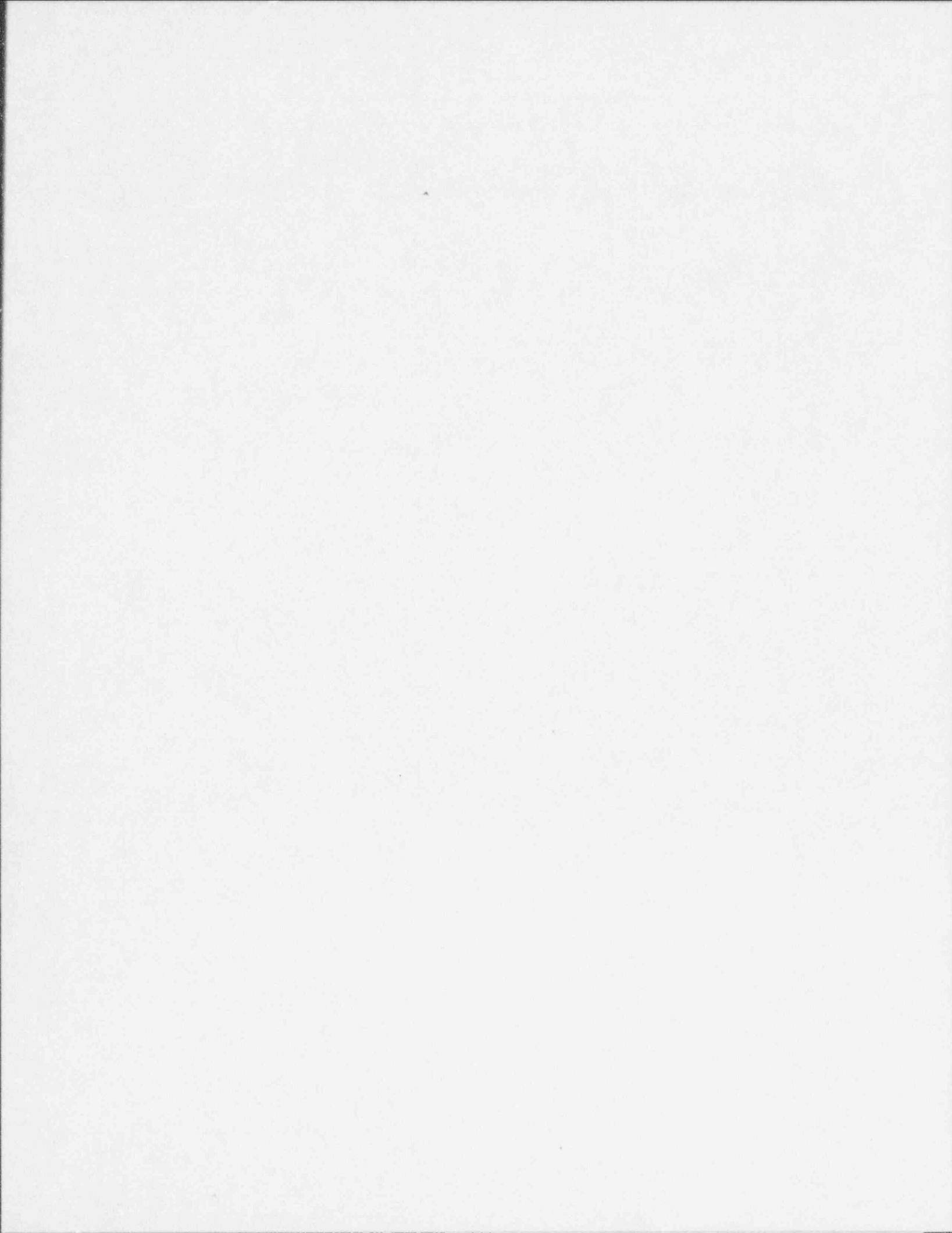
- e. Fire detection and protection.
 - f. Penetrations and cable terminations.
4. Switchgear Rooms
- a. General layout.
 - b. Physical and electrical separation of redundant units.
 - c. Potential for damage due to fire, missiles, etc.
 - d. Cable installation.
 - e. Fire detection and protection.
5. Battery Installations
- a. General layout.
 - b. Physical and electrical separation.
 - c. Potential for damage due to fire, missiles, etc.
 - d. Fire detection and protection and security.
 - e. Ventilation independence.
 - f. Monitoring instrumentation.
6. Diesel Generators
- a. General layout.
 - b. Physical and electrical separation of redundant units.
 - c. Fuel supply system.
 - d. Fire detection and protection.
 - e. Qualification tests - interlocks and control panel.
 - f. Auxiliary systems - starting air, combustion air, ventilation.
7. Instrument Piping
- a. Physical separation and single failure.
 - b. Potential for damage due to fire, flooding, etc.
 - c. Test features.
8. Transformers (Switchyard)
- a. Physical and electrical separation.
 - b. Potential for damage due to fire, flooding, missiles, etc.
 - c. Fire detection and protection.
9. Quality Control
- a. Onsite receipt, storage, installation, and protection procedures of installed instrumentation, equipment, and cables.
10. Reactor Building and Turbine Building
- a. Protection system instrument arrangement and layout.
 - b. Potential for instrument damage due to fire, missiles, etc.
 - c. Separation of piping and wiring to redundant instruments.
 - d. Provisions for testing protection instruments.

11. Shared Systems for Multi-Unit Sites
 - a. Equipment location and potential for damage.
 - b. Control room control and assignment to accident unit.
 - c. Availability upon completion of first unit.

12. Steam Lines - Main, HPCI, RCIC
 - a. BWR temperature and radiation monitoring systems.
 - b. Isolation valves.

13. Recirculation Water System (Condenser)
 - a. Break detection and flood protection features.

14. Shutdown Outside Control Room
 - a. Location for potential damage.
 - b. Feedwater system, etc.



SRP 8.1