



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

OCT 30 1980

Docket No. 50-395

MEMORANDUM FOR: A. Schwencer, Chief
Licensing Branch No. 2, DOL

FROM: W. Kane, Project Manager
Licensing Branch No. 2, DOL

SUBJECT: FORTHCOMING MEETING WITH SOUTH CAROLINA ELECTRIC AND
GAS COMPANY

DATE & TIME: November 12-14, 1980

LOCATION: Virgil C. Summer Nuclear Station, Unit 1
Jenkinsville, South Carolina


PURPOSE: Plant visit by representatives of the Instrumentation and
Control System, Power Systems, and Reactor Systems Branches.
(See attached agenda)

PARTICIPANTS: NRC STAFF

H. Li, O. Chopra, A. Gill, and M. Rubin

SCE&G

R. Clary, et. al.


William F. Kane, Project Manager
Licensing Branch No. 2
Division of Licensing

Attachment:
Agenda

cc: See next page

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2600 Bull Street
Columbia, South Carolina 29201

Chariman
Fairfield County Council
P. O. Box 293
Winnsboro, South Carolina 29180

U. S. Environmental Protection Agency
ATTN: EIS Coordinator
Region IV Office
345 Courtland Street, N. E.
Atlanta, Georgia 30308

GENERAL AGENDA

SUMMER STATION SITE VISIT

1. Control Room and Instrumentation Cabinet Area
 - a. General Layout
 - b. Nuclear and Reactor Protection instrument cabinet arrangement, layout sheidling, separation and identification.
 - c. Rod position indication
 - d. Protection System initiation and bypassing arrangements (RG 1.47 recommendations).
 - e. Cabling in Control Room (separation, type, provisions).
 - f. ESF Initiation and bypassing arrangements (RG 1.47 recommendations).
 - g. RPS cabinets, Auxiliary Relay Cabinet - location of isolation devices.

2. Cable Runs and Cable Spreading Area
 - a. General Layout
 - b. Implementation of Separation Criteria

3. Vital Instrumentation and Control Power Supply Installation
 - a. General Layout
 - b. Physical and electrical separation (divisional).
 - c. Potential for damage from fire, missiles, high energy line break etc.
 - d. Monitoring instrumentation
 - e. Batteries

4. Reactor Building, Auxiliary and Turbine Building
 - a. Protection system instrument arrangement - installation and environmental
 - b. Potential for instrument damage due to fire, missiles and pipe whip etc.
 - c. Separation and independence of piping and wiring to redundant or diverse instruments.
 - d. Provisions for testing protection instruments
 - e. Independence of safety buse:

5. Reactor Trip System
 - a. Rod drive power supplies
 - b. Cabling and equipment identification
 - c. Physical and Electrical independence
 - d. Provisions for testing

6. ESF Systems and Pump Rooms

- a. General arrangements
- b. Physical and electrical independence (interlocks).
- c. Potential for damage due to fire, missiles, etc.
- d. Provisions for testing (initiation, actuation and final devices).
- e. Cabling for equipment identification.

7. Instrument Piping

- a. Physical separation
- b. Potential for damage from missiles, flooding, pipe whip, etc.
- c. Test features

8. Shutdown from Outside Control Room

- a. Location of Shutdown Panel
 - i) Habitability
 - ii) Potential for damage from fire, missiles, flooding, pipe whip, etc.
- b. Identification of Controls.

9. Cable Trace

Verify the cable trace in the plant from sensor to final actuation devices on redundant RPS/ESF channels for a number of parameters - steam generator level, pressurizer pressures.

10. Other Areas

Containment Sump Area

Battery Room

Switchgear Room

Diesel Generator Rooms

11. Specific Open Items For Discussion

- 1. Safe Shutdown Systems
- 2. Field Audit Results of Redundant Class 1E Equipments
- 3. Other SER Open Items

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NRC Participants:

H. Li, O. Chopra, A. Gill, and M. Rubin

Others: SCE&G

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BCC: Applicant & Service List

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