

SEP 3 1982

Docket No.: 50-395

LICENSEE: South Carolina Electric & Gas Company

FACILITY: Virgil C. Summer Nuclear Station

SUBJECT: SUMMARY OF SEPTEMBER 1, 1982 MEETING REGARDING LICENSING  
CONDITION NO. 25

General

Representatives of the NRC staff met with representatives of the South Carolina Electric & Gas Company and consultants on September 1, 1982 in Bethesda, Maryland. A list of those persons who attended the meeting is included in Attachment A.

Purpose

The purpose of the meeting was for the licensee to present to the NRC staff its program for fulfilling the requirements of licensing condition 25. Licensing condition 25 was developed by the ASLB and states:

During the first year of operation, SCE&G shall successfully complete the confirmatory program on plant equipment and components within the guidelines established in the findings contained in the ASLB Partial Initial Decision dated July 20, 1982 to demonstrate to the NRC staff's satisfaction that explicit safety margins exist for each component necessary for shutdown and continued heat removal in the event of the maximum potential shallow earthquake.

Discussion

SCE&G described their program for responding to licensing condition 25. The program consists of three steps. The first step in the program is to determine the effects which the soil-instrument pad system have had on the recorded ground motion. The result of this step will be a spectral envelope which represents free-field soil-surface conditions without pad amplification.

The second step is to investigate and determine the reduction of ground motion from the free-field condition to the foundation level of the safety-related structures at the plant. The result of this step will be a quantitative procedure to compute the reduction of ground motion from the free-field at the soil surface to the foundation level of the safety-related structures.

8209150133 820903  
PDR ADDCK 05000395  
PDR

OF						
SURNAME						
DATE						

SEP 3 1982

The third step is to examine the effects of shallow reservoir-induced earthquake motion on plant equipment and components necessary for cold shutdown. If the safe shutdown earthquake ground motion spectrum is not exceeded by the calculated reservoir-induced earthquake at the foundation level then no further analysis will be performed. If the spectrum is exceeded, then all appropriate equipment and components will be examined in detail to assure that adequate safety margins exist.

SCE&G's planned schedule for conducting the confirmatory program is provided in Attachment B. The program is to be completed by August 6, 1983.

Following the licensee's presentations the staff made a number of comments. The general comments are provided below:

- (1) The licensee should address explicitly the relationship of its program to the "guidelines of the findings". It is necessary to resolve this issue with the staff prior to initiating the program.
- (2) The licensee should consider instrumenting the buildings with different foundation types when developing reduction factors.
- (3) The licensee should address the extent to which the ACRS comments will be addressed in the confirmatory program.
- (4) The program should be submitted formally for NRC staff approval.

Original signed by  
William Kane

William F. Kane, Project Manager  
Licensing Branch No. 1  
Division of Licensing

Attachments:  
As stated

cc: See next page

OFFICE	DL:LB#1	DL:LB#1					
SURNAME	WKane/Tg	BJYoungbrood					
DATE	9/2/82	9/2/82					

Mr. O. W. Dixon, Jr.  
Vice President, Nuclear Operations  
South Carolina Electric & Gas Company  
Post Office Box 764 (Mail Code F-04)  
Columbia, South Carolina 29218

cc: Mr. Henry Cyrus  
Senior Vice President  
South Carolina Public Service Authority  
223 North Live Oak Drive  
Moncks Corner, South Carolina 29461

J. B. Knotts, Jr., Esq.  
Debevoise & Liberman  
1200 17th Street, N. W.  
Washington, D. C. 20036

Mr. Mark B. Whitaker, Jr.  
Group Manager - Nuclear Engineering & Licensing  
South Carolina Electric & Gas Company  
Post Office 764  
Columbia, South Carolina 29218

Mr. Brett Allen Bursey  
Route 1, Box 93C  
Little Mountain, South Carolina 29076

Resident Inspector/Summer NPS  
c/o U. S. NRC  
Route 1, Box 64  
Jenkinsville, South Carolina 29065

Mr. James P. O'Reilly  
U. S. NRC, Region II  
101 Marietta Street  
Suite 3100  
Atlanta, Georgia 30303

ATTACHMENT A

LIST OF ATTENDEES

NRC Staff

W. Kane  
R. Jackson  
F. Schauer  
L. Heller  
L. Reiter  
J. King

SCE&G

N. Clark  
R. Whorton

Dames & Moore

R. McGuire

URS/Blum Engineers

J. Blume  
M. Somerville

Gilbert Associates, Inc.

C. Chen

Pennsylvania State University

S. Alexander

Ertec Western, Inc.

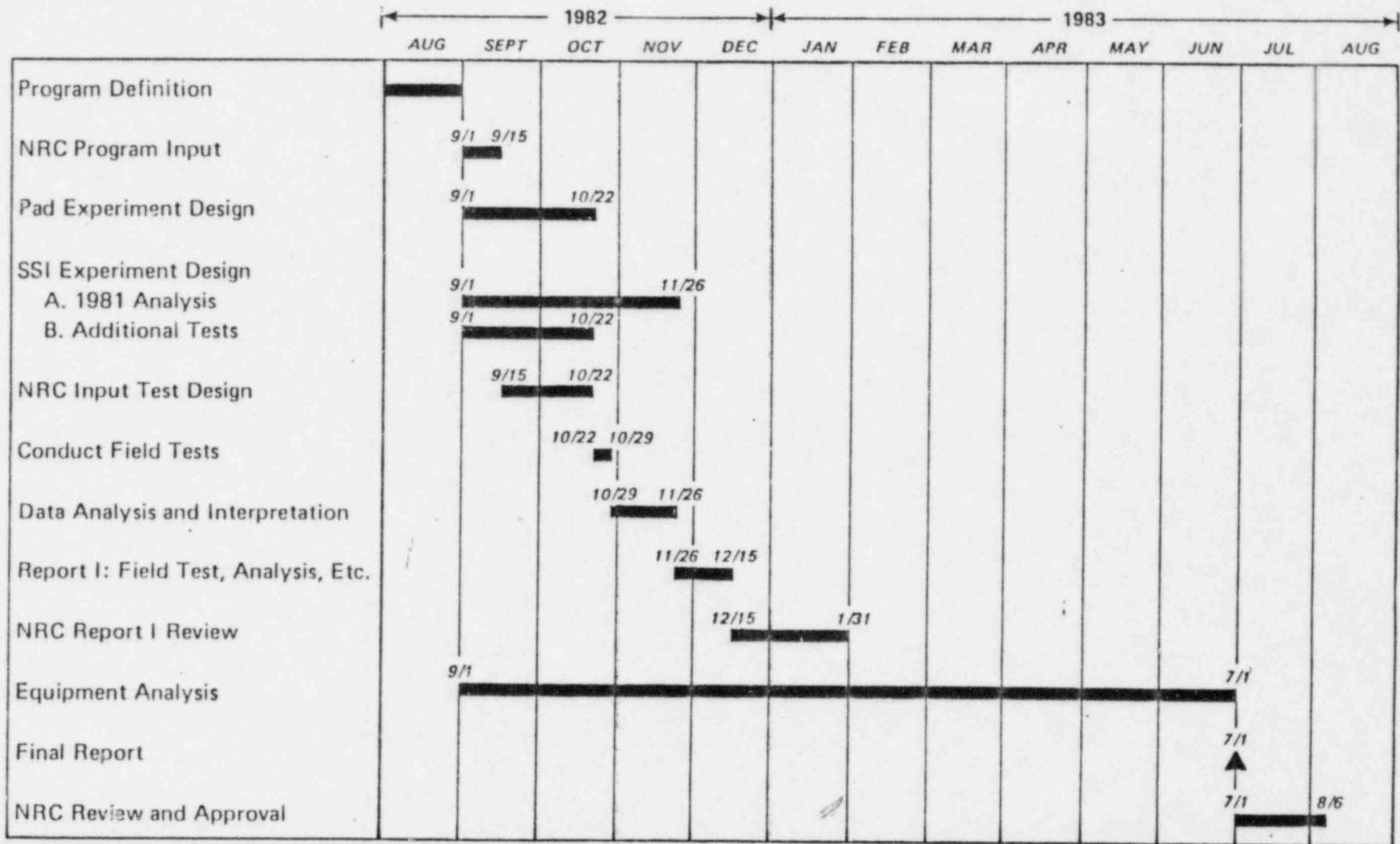
G. Martin

Duke Power Company

M. Schaeffer

Law Engineering

C. Sams



ATTACHMENT B

SEISMIC CONFIRMATORY PROGRAM SCHEDULE

MEETING SUMMARY

SEP 3 1982

Document Control (50-395)

NRC PDR

L PDR

TERA

NSIC

LB#1 Rdg.

MRushbrook

Project Manager W. Kane

Attorney, OELD

OIE

Regional Administrator, Region II

PARTICIPANTS (NRC):

W. Kane

R. Jackson

F. Schauer

L. Heller

L. Reiter

J. King