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

SEP 15 1977

DOCKET NO. 50-70

LICENSEE: General Electric Company (GE)

FACILITY: General Electric Test Reactor (GETR)

SUMMARY OF MEETING HELD ON AUGUST 31, 1977, BRIEFING ON GE'S PHASE I - GEOLOGICAL INVESTIGATION

On August 31, 1977, NRC staff, representatives of GE and its consultants Engineering Decision Analysis Company (EDAC) and Earch Sciences Associates (ESA), attended a presentation by Dr. D. C. Herd, U.S. Geological Survey (USGS), at the USGS offices at Menlo Park, California. Dr. Herd presented a new map of the Livermore Valley, California, and provided an interpretation of the geology and seismology of the area which included the Las Positas and Greenville faults. Also, the new map shows the Verona fault to be closer to the GETR than had been assumed in the past. (The information presented by Dr. Herd including the new map have since been published in the USGS open file report #77-689).

Following Dr. Herd's presentation the NRC staff and GE representatives held a separate meeting during which GE presented the scope of the initial phase, Phase I, of an ongoing licensee program of geological investigation of the GETR site. A list of attendees is attached. This program was initiated as a result of the staff's comments during the previous August 3, 1977 meeting in connection with GE's license renewal application for the GETR (reported in our summary of that meeting dated September 15, 1977). The program outline is given in GE's handout provided during the meeting (copy attached). GE stated that Phase I of the program will include an area of about five miles out from the GETR site and work will also concentrate on the Verona fault. GE indicated that the Phase I work would be completed in about 90 days. It was also tentatively agreed that a site visit would be held the week of September 25, 1977, to discuss progress on the Phase I work.

Alfred Burger

Alfred Burger, Project Manager
Operating Reactors Branch #1
Division of Operating Reactors

Enclosures:
1. List of Attendees
2. GE's Handout

cc w/encl: See next page

AE

Docket
NRC PDR
LOCAL PDR
ORB#1 Reading
NRR Reading
E. G. Case
V. Stello
K. R. Goller
D. Eisenhut
A. Schwencer
D. Davis
G. Lear
R. Reid
L. Shao
B. Grimes
W. Butler
R. Baer
Project Manager
Attorney, OELD
OI&E (3)
Licensing Assistant
Each NRC participant
T. B. Abernathy
J. R. Buchanan

LIST OF ATTENDEES
MEETING AT MENLO PARK
AUGUST 31, 1977

NRC

A. Schwencer
A. Burger
C. Stepp
H. E. Lefevre
R. B. Hofman
J. Kellerher
R. Kratzke
S. Wastler

NRC - IE Region V

R. T. Dodds
J. G. Henchett

GE

D. L. Gilliland
G. D. Hoggatt
N. F. Fifer
R. L. Sharpe - EDAC
J. Reed - EDAC
P. H. Hamilton - ESA
R. H. Wright - ESA

GETR LICENSE RENEWAL - PHASE I

GEOLOGICAL INVESTIGATION

1. Literature Search - Review of all available data on the geology and fault hazards in the area including published reports and interviews with USGS personnel and private consultants recently or currently working in the area.

2. Photogeologic Analyses - Study of stereo paired aerial photographs, including color infrared photos, to determine surface geologic conditions and identify lineations.

3. Geologic Mapping - Surface mapping to provide on-ground checks of features delineated by air photo interpretation and descriptions of stratigraphy and lithology, search for datable horizons to assist in assessment of age of faulting, and provide a preliminary assessment of foundation conditions at the site.

4. Subsurface Exploration - Limited trenching of lineaments closest to the site to assess their characteristics and determine the feasibility of evaluating their hazard potential.

5. Development of Scope of Phase II Program - Based on results of the Phase I investigation, a detailed scope of work for more extensive explorations of critical features will be developed. The Phase II program will probably include additional trenching, exploratory borings, geophysical exploration, and testing of foundation materials.

6. Prepare Phase I Report - A report will be prepared to present the results of Phase I, including appropriate maps, cross sections and other illustrations.

≈ 90 DAYS