

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

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OFFICE OF SECRETARY
DOCKETING & SERVICE
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In the Matter of)
)
GEORGIA POWER COMPANY, et al.) Docket Nos. 50-424
) 50-425
(Vogtle Electric Generating Plant,) (OL)
Units 1 and 2)

SUPPLEMENTAL AFFIDAVIT OF DAVID N. KEAST
ON CONTENTION EP-2/EP-2(c)

COUNTY OF FULTON)
)
STATE OF GEORGIA)

I, David N. Keast, being duly sworn according to law,
depose and say as follows:

1. My name is David N. Keast. I am a Vice President and Senior Project Manager with HMM Associates, Inc., where I specialize in public warning system studies. HMM Associates has been retained by Georgia Power Company to design the public alerting system for the Vogtle plume exposure pathway Emergency Planning Zone ("EPZ"). A detailed summary of my professional qualifications is included as Exhibit A to the "Affidavit of David N. Keast on Contention EP-2/EP-2(c)," filed February 14, 1986.

8604220204 860417
PDR ADOCK 05000424
G PDR

2. The purpose of this affidavit is to provide more detailed information in support of "Applicants' Motion For Summary Disposition of Joint Intervenors' Contention EP-2/EP-2(c)," which concerns the use of NOAA tone alert radios (in lieu of some other type of radio alerting system) for public alerting within the Vogtle EPZ. I have personal knowledge of the matters set forth herein and believe them to be true and correct.

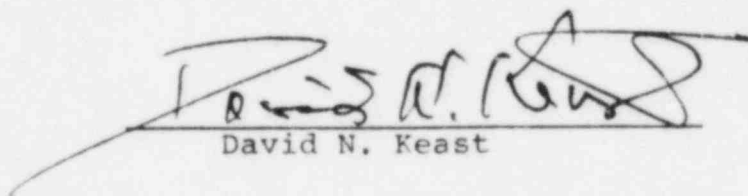
3. National Weather Service data for the survey period January 1, 1980 through September 30, 1985 (69 months) have been analyzed to determine the expected frequency of activation of NOAA weather radios in the Vogtle EPZ due to severe weather watches and warnings. (The NOAA weather radios in the Vogtle EPZ will not be activated for marine interest watches and warnings.) The table below provides a 24-hour, hour-by-hour breakdown of survey data.

Hour	Total Watches and Warnings for 69-month Survey Period	Average Annual* Number of Watches and Warnings
1-2 am	4	0.6957
2-3 am	0	0.0000
3-4 am	1	0.1739
4-5 am	3	0.5217
5-6 am	0	0.0000
6-7 am	0	0.0000
7-8 am	0	0.0000
8-9 am	0	0.0000
9-10am	3	0.5217
10-11am	1	0.1739
11-12noon	2	0.3478
12-1 pm	4	0.6957
1-2 pm	7	1.2174
2-3 pm	21	3.6522
3-4 pm	25	4.3478
4-5 pm	17	2.9565
5-6 pm	13	2.2609
6-7 pm	14	2.4348
7-8 pm	10	1.7391
8-9 pm	9	1.5652
9-10pm	11	1.9130
10-11pm	1	0.1739
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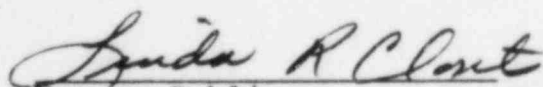
* Calculated by dividing each entry in the first column (the total number of watches and warnings issued, by hour, during the 69-month period) by 5.75 years (the survey period).

4. The fixed siren system being installed within the EPZ is a second, fully redundant primary notification system, since it has been designed to provide the required sound coverage to all residences, in accordance with Appendix 3 of NUREG-0654.

5. No other nuclear plant in the country has two primary public alert/notification systems -- each of which independently meets the regulatory guidance to which the systems at other nuclear plants across the country are designed.


David N. Keast

Sworn to and subscribed
before me this 16th day
of April, 1986.


Notary Public

Notary Public, Clayton County, Georgia
My Commission Expires Dec. 12, 1989

My Commission Expires:

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

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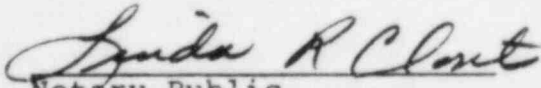
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David N. Keast

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before me this 16th day
of April, 1986.


Notary Public

Notary Public, Clayton County, Georgia
My Commission Expires Dec. 12, 1989

My Commission Expires:

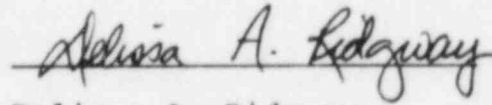
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CERTIFICATE OF SERVICE

I hereby certify that copies of "Applicants' Motion For Reconsideration of Denial of Summary Disposition of Intervenor's Contention EP-2/EP-2(c) (Use of NOAA Tone Alert Radios)" and "Supplemental Affidavit of David N. Keast on Contentions EP-2/EP-2(c)" were served this 17th day of April, 1986, by deposit in the U.S. mail, first class, postage prepaid, upon the parties listed on the attached Service List, except that those whose names are marked by an asterisk were served by hand delivery this 17th day of April, 1986.


Delissa A. Ridgway

Dated: April 17, 1986

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

Before The Atomic Safety And Licensing Board

In the Matter of)
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GEORGIA POWER COMPANY, et al.)
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(Vogtle Electric Generating Plant,)
Units 1 and 2))

Docket Nos. 50-424
50-425

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