



Department of Energy
Savannah River Operations Office
P.O. Box A
Aiken, South Carolina 29802

Ms. Elinor Adensam, Chief
Licensing Branch #4
Division of Licensing
Nuclear Regulatory Commission
Washington, D.C. 20555

JUL 01 1985

Dear Ms. Adensam:

REQUEST FOR UPDATED EVACUATION ESTIMATES FROM THE SAVANNAH RIVER
PLANT SITE AREA WITHIN THE PLANT VOGTLE TEN-MILE EMERGENCY
PLANNING ZONE

As requested in Melanie Miller's June 4, 1985, phone call with Clif Webb of this office, enclosed is the subject information. The estimates are based on real-time experience gained from evacuation of Savannah River Plant (SRP) operational areas and incorporate latest population statistics.

Since the early 1980's, the U.S. Department of Energy, Savannah River Operations Office (DOE-SR) has worked directly with the Georgia Power Company to provide appropriate interfaces between the respective emergency preparedness programs. A Memorandum of Agreement was executed on November 28, 1984, to formalize emergency preparedness relationships between the SRP and neighboring Vogtle Electric Generating Plant site. Currently, DOE-SR is in the process of making minor adjustments to existing SRP emergency facilities, plans, and procedures (e.g. Emergency Notification Network participation) to prepare for operation of the Vogtle Electric Generating Plant. Similar planning and preparedness actions were conducted by the U.S. Department of Energy, Richland Operations Office for the Washington Public Power Supply nuclear power reactors located on the Richland, Washington site.

SRP has a well-developed emergency preparedness program that has evolved with over thirty years of day-to-day operational experience with large nuclear material production reactors, chemical and isotope separation complexes, fuel and target fabrication facilities, high and low-level waste management facilities, and radioisotope laboratories. The existing emergency facilities, resources, plans, and procedures for the SRP area within the Vogtle ten-mile Emergency Planning Zone exceed Nuclear Regulatory Commission emergency preparedness criteria specified for state and local governments.

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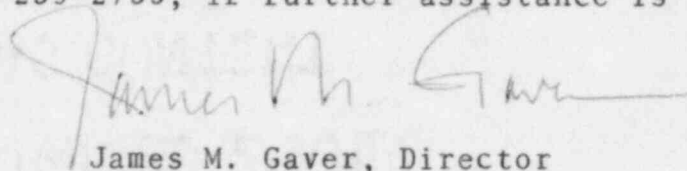
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Ms. Elinor Adensam

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Members of your staff may contact P.D. Lassiter, Office of External Affairs, at (FTS)-239-2733, if further assistance is needed.



James M. Gaver, Director
Office of External Affairs

1 Enclosure

EVACUATION ESTIMATES FOR SAVANNAH RIVER PLANT
SITE AREA WITHIN THE PLANT VOGTLE
TEN-MILE EMERGENCY PLANNING ZONE (EPZ)

AREAS WITHIN EPZ RADIUS

	<u>2 Mi.</u>	<u>5 Mi.</u>	<u>10 Mi.</u>
<u>Population Totals</u>			
Weekday Estimate	10	450	2000
<u>Emergency Action (hours)</u>			
Notification	0.5	0.5	0.5
Day Evacuation	0.5	0.5	0.75
Worst Case Evacuation	0.75	0.75	1.0
Confirmation	0.5	0.5	0.5

NOTES

- o Statistics are cumulative for all areas within specified EPZ radius.
- o The SRP construction work force may vary depending upon site projects. Consequently, the SRP population estimated within the EPZ area may fluctuate by as many as 200 persons on any given day.
- o Evacuation of the majority of the personnel from a major SRP facility requires approximately 30 minutes. The 45 minute time projection for complete evacuation of the ten-mile radius allows for activation of a remote operations facility outside the ten-mile EPZ.
- o Sportsmen and timber contractors are not included within the SRP population figures. On any given day during the deer hunt season there may be as many as 300 additional persons within the ten-mile EPZ. The controlled evacuation of these persons is estimated to require about one hour.
- o During offshift hours (4:15 p.m. - 7:45 a.m., Monday - Friday and all day Saturday and Sunday), there would generally be less than 300 persons with the ten-mile EPZ.