

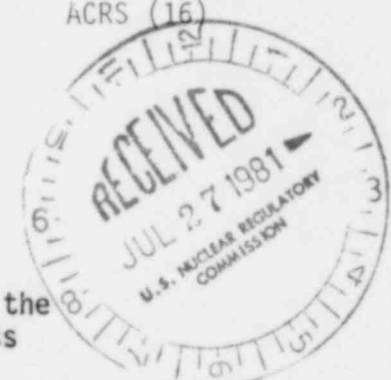
JUL 22 1981

Docket Nos.: STN 50-483
and STN 50-486

Mr. John K. Bryan
Vice President
Union Electric Company
1901 Gratiot Street
Post Office Box 149
St. Louis, Missouri 63166

Dist.
Docket File
LB#1 Rdg
RTedesco
BJYoungblood
MRushbrook
GEdison
SHanauer
RVollmer
TMurley
RMattson
RHartfield, MPA
FPagano
WAxelson (Reg. III)

OELD
OIE (3)
bcc:
TERA
NRC/FDR
L/PDR
NSIC
TIC
ACRS (16)



Dear Mr. Bryan:

Subject: Request for Additional Information for the Review of the Callaway Plant Unit 1 Regarding Emergency Preparedness

We have completed our review of the Evacuation Time Estimates transmitted by letter March 12, 1980 for Callaway Unit 1. The review was performed against the criteria in NUREG-0654 "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants".

As a result of our review, we find that we need additional information to complete our evaluation. The specific information required is as a result of the Emergency Preparedness Licensing Branch's review and is presented in the Enclosure.

To maintain our licensing review schedule for the Callaway Plant, we will need responses to the enclosed request by August 7, 1981. If you cannot meet this date, please inform us within seven days after receipt of this letter of the date you plan to submit your responses so that we may review our schedule for any necessary changes.

Please contact Dr. G. E. Edison, Callaway Licensing Project Manager, if you desire any discussion or clarification of the enclosed request.

Sincerely,

Original signed by
Robert L. Tedesco

Robert L. Tedesco, Assistant Director
for Licensing
Division of Licensing

8107310094 810722
PDR ADOCK 05000483
F PDR

Enclosure:
As stated

OFFICE	cc: See next page	DL:LB#1 <i>XLL</i>	DL:LB#1 <i>RLT</i>	DL:LB/L <i>RLT</i>		
SURNAME		GEdison/ys	BJYoungblood	RLTedesco		
DATE		7/20/81	7/20/81	7/21/81		

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Enclosure

810.0 Emergency Preparedness Licensing Branch

810.2(C) The items noted below indicate the actions required to correct deficiencies noted in the evacuation time estimate study.

Provide a map similar to Figure 3 of NUREG-0654 Rev. 1 indicating evacuation roadway network.

Provide estimate of permanent residents and transients by sector similar to Figure 1 in NUREG-0654 Rev. 1.

Report special facility populations on an institution by institution basis.

Provide roadway capacities and characteristics by roadway segment format similar to Table 1 of NUREG-0654 Rev. 1.

Use volume/capacity technique to calculate delay times on evacuation roadway network.

Use a reduced capacity for estimating evacuation times under adverse conditions.

Estimate preparation and confirmation times.

Report results in format similar to Table 2 of NUREG-0654 Rev. 1.

Identify potential bottleneck locations that may require special traffic control.

Have draft report reviewed by local and State agencies and provide copies of their comments.

Provide a thorough explanation of methodologies and assumptions used in the analysis.

Other actions required: None.

Enclosure

EVALUATION OF EVACUATION TIME ESTIMATE

Calloway

Item	Excel.	Adeq.	Poor	None
I. Introduction				
A. Maps	---	---	X	---
B. Assumptions	---	---	X	---
C. Methodology	---	---	X	---
II. Demand Estimation				
A. Permanent Residents	---	---	X	---
B. Transient Populations	---	---	X	---
C. Special Facility Population	---	---	X	---
D. EPZ Sub-areas	---	---	---	---
III. Traffic Capacity				
A. Evacuation Roadway Network	---	X	---	---
B. Roadway Segment Characteristics	---	---	X	---
IV. Analysis				
A. Report Format	---	---	X	---
B. Methodology	---	---	X	---
V. Other Requirements	---	---	X	---
VI. Overall	---	---	X	---