

September 27, 1982

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NRC PDR  
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OELD  
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ACRS (10)  
SEPB  
DDudley

Docket No. 50-29  
LS05-82-09-078

Mr. James A. Kay  
Senior Engineer - Licensing  
Yankee Atomic Electric Company  
1671 Worcester Road  
Framingham, Massachusetts 01701

Dear Mr. Kay:

SUBJECT: DEGRADED GRID VOLTAGE - YANKEE NUCLEAR POWER STATION (YANKEE)

The staff is continuing its evaluation of the issue of degraded grid voltage protection for Class 1E power systems at Yankee. We have reviewed your submittals and have determined that your approach to the resolution of this issue by the use of operator action under degraded grid conditions without an accident is acceptable. However, final approval of your proposal is subject to the completion of all proposed modifications and the institution of procedures which address the actions to be taken by the operators during a degraded grid condition.

We therefore request that, within 30 days of your receipt of this letter, you provide a schedule for the submission of the operator procedures, the design details for diesel generator load shedding, and the final Technical Specifications, as described in the enclosed Safety Evaluation and Contractor's Report. After the staff has reviewed this information, we will issue a final safety evaluation.

*SEO1*

The reporting requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

*DSU USE (11)*

Sincerely,

Original signed by

Dennis M. Crutchfield, Chief  
Operating Reactors Branch #5  
Division of Licensing

8210040132 820927  
PDR ADOCK 05000029  
P PDR

Enclosures:

- 1. Safety Evaluation
- 2. Contractor's Report

cc w/enclosures:  
See next page

*PDR*

OFFICE		DL: ORB #5	JL: ORB #5	DL: ORB #5	
SURNAME		RCarusso, cc	DDudley	DCrutchfield	
DATE		9/27/82	9/27/82	9/27/82	

Mr. James A. Kay

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September 27, 1982

cc

Mr. James E. Tribble, President  
Yankee Atomic Electric Company  
25 Research Drive  
Westborough, Massachusetts 01581

Chairman  
Board of Selectmen  
Town of Rowe  
Rowe, Massachusetts 01367

Energy Facilities Siting Council  
14th Floor  
One Ashburton Place  
Boston, Massachusetts 02108

U. S. Environmental Protection  
Agency  
Region I Office  
ATTN: Regional Radiation Representative  
JFK Federal Building  
Boston, Massachusetts 02203

Resident Inspector  
Yankee Rowe Nuclear Power Station  
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Ronald C. Haynes, Regional Administrator  
Nuclear Regulatory Commission, Region I  
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King of Prussia, Pennsylvania 19406