



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

Jra

January 4, 1980

Docket No. 50-302

Mr. J. A. Hancock
Director, Nuclear Operations
Florida Power Corporation
P. O. Box 14042, Mail Stop C-4
St. Petersburg, Florida 33733

Dear Mr. Hancock:

On January 2, 1980, the NRC issued an Order to Show Cause regarding implementation of Lessons Learned Short Term requirements at the Crystal River Unit 3 station. Section IV of that Order stated in part that Category A requirements had to be implemented by February 15, 1980, unless shutdown would severely impact the power reliability in the Florida subregion of the Southeastern Electric Reliability Council by requiring more than one nuclear plant within the subregion to be shutdown at the same time, as shown by appropriate and timely documentation to the Director, Office of Nuclear Reactor Regulation.

The Department of Energy, through its Division of Power Supply and Reliability, has been requested by the NRC to perform an analysis of information concerning power reliability received pursuant to this Order. Accordingly, should you desire to seek an extension of the implementation of Category A requirements beyond February 15, 1980, on the basis of power reliability, you should submit by January 15, 1980, the information identified in the enclosure both to this Office and to Richard Weiner, Director, Division of Power Supply and Reliability, 2000 M. Street, NW, U. S. Department of Energy, Washington, D. C. 20461. This will permit a timely evaluation of your justification prior to February 15, 1980.

Sincerely,

Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Enclosure:
Power Reliability Data

cc w/enclosure:
See next page

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Florida Power Corporation

cc w/enclosure(s):

Mr. S. A. Brandimore
Vice President and General Counsel
P. O. Box 14042
St. Petersburg, Florida 33733

Mr. Wilbur Langely, Chairman
Board of County Commissioners
Citrus County
Iverness, Florida 36250

U. S. Environmental Protection Agency
Region IV Office
ATTN: EIS COORDINATOR
345 Courtland Street, N.E.
Atlanta, Georgia 30308

Director, Technical Assessment
Division
Office of Radiation Programs
(AW-459)
U. S. Environmental Protection Agency
Crystal Mall #2
Arlington, Virginia 20460

Crystal River Public Library
Crystal River, Florida 32629

Mr. J. Shreve
The Public Counsel
Room 4 Holland Bldg.
Tallahassee, Florida 32304

Administrator
Department of Environmental Regulation
Power Plant Siting Section
State of Florida
Montgomery Building
2562 Executive Center Circle, E.
Tallahassee, Florida 32301

Attorney General
Department of Legal Affairs
The Capitol
Tallahassee, Florida 32304

Mr. Robert B. Borsum
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Nuclear Power Generation Division
Suite 420, 7735 Old Georgetown Road
Bethesda, Maryland 20014

Bureau of Intergovernmental
Relations
660 Apachee Parkway
Tallahassee, Florida 32304

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INFORMATION REQUIRED FOR EVALUATION OF ADVERSE ELECTRIC
SYSTEM RELIABILITY IMPACT

An electric system demonstrating an adverse impact on the adequacy or reliability of the electric power supply must submit the following data, for the period of concern, to the NRC and the ERA:

- * A listing of all utility-owned (in whole or in part) generators and their expected availability and capacity to produce power. Indicate planned unit maintenance or other outage and rationale for scheduling such outage at this time.
- * A listing of all existing electric power purchase and sale contracts. Also, identify any special purchase or sales of power that take place. Indicate the specific applicability in megawatts of any of these contracts to the period of concern.
- * A copy of any regional power sharing or reliability agreement indicating the specific applicability of any part of this agreement and provide detailed information regarding the possible impact of applicable load curtailment plans.
- * The expected peak load for each month in the period of concern, indentifying any interruptible loads available. Additionally, an analysis of the impact of adverse weather conditions on monthly peak demand should be supplied.
- * A description of any expected system transmission line loading, voltage control, or system stability problem. Identify any extended transmission line or generating unit outages which may have an impact.
- * The level of current fuels inventories, an assessment of the adequacy of fuel supplies to meet energy requirements during the planned nuclear outage, and the expected impact of the nuclear unit outages on these levels.
- * A description of any expected impact on the regional power supply network.
- * A weekly compilation of the utility's net energy for load for the projected outage period and for the same time period of the previous year (includes details on generation, purchases and sales, and anticipated load). Provide details on any load management or similar activity which might cause significant variations in customer energy requirements.

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- * A calculation of the anticipated minimum generating reserve margin during each week of the period. The minimum reserve margin shall be calculated as the generating capacity in megawatts available to supply load above the anticipated system peak load for the week. (This calculation should consider system power sales and purchases). Please relate the reserve margin calculation to its corresponding loss of load probability.
- * A statement on the availability of emergency support from contiguous control areas, indicating size of potential support and conditions on availability.
- * Any other pertinent information the utility deems important and related to the power supply adequacy and reliability evaluation. Please note that this evaluation will be accomplished only on a technical bases. Economic considerations based on increased fuel costs or other similar arguments will not be factors in the reliability evaluation.
- * All data should be supplied for the electric system controlling the nuclear unit(s) of concern and the control area in which these generators operate.

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