



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

March 11, 1988

Docket No. 50-302

Mr. W. S. Wilgus
Vice President, Nuclear Operations
Florida Power Corporation
ATTN: Manager, Nuclear Licensing
P. O. Box 219
Crystal River, Florida 32629

Dear Mr. Wilgus:

SUBJECT: FEBRUARY 28, 1988 EVENT AT CRYSTAL RIVER UNIT 3

Because the subject transient occurred so close to the completion of the B&W Reassessment, we believe it is important that we fully understand the event, plant design, and plant operations as they could reflect on the reassessment conclusions. In order to assist us in reaching such understanding in a timely manner, we would appreciate your providing answers to the following questions by March 25, 1988, either in writing or at a meeting at White Flint.

1. Explain ICS control of MFW between 0% and 100% power. Specifically,
(a) MFW pump speed control vs. MFWS valve delta P control vs. OTSG level control of MFW flow; (b) when the different MFWS flow paths are used;
(c) typical transfer points between flow paths and control modes; and
(d) the interlock between the MFW block valves and cross-tie valves, and its basis.
2. Is turbine trip on reactor trip safety related? Why/Why not?
3. Would installation of diverse turbine trip circuitry required by the ATWS Rule (10 CFR 50.62) have provided turbine trip given failure of trip solenoid?
4. Is the existing MFW flow control scheme, including flow paths, the original installed design? If not, describe the original design and the reason(s) for the design change.
5. Provide P&IDs for the main feedwater system and ICS system schematics.
6. During the event, automatic trip of the turbine on reactor trip did not occur. Discuss how the plant would have responded if the operator had not taken prompt action to effectively isolate this turbine.

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S PDR

Mr. W. S. Wilgus
Florida Power Corporation

Crystal River Unit No. 3 Nuclear
Generating Plant

cc:

Mr. R. W. Neiser
Senior Vice President
and General Counsel
Florida Power Corporation
P. O. Box 14042
St. Petersburg, Florida 33733

State Planning and Development
Clearinghouse
Office of Planning and Budget
Executive Office of the Governor
The Capitol Building
Tallahassee, Florida 32301

Mr. P. F. McKee
Director, Nuclear Plant Operations
Florida Power Corporation
P. O. Box 219
Crystal River, Florida 32629

Mr. F. Alex Griffin, Chairman
Board of County Commissioners
Citrus County
110 North Apopka Avenue
Inverness, Florida 36250

Mr. Robert B. Borsum
Babcock & Wilcox
Nuclear Power Generation Division
1700 Rockville Pike, Suite 525
Rockville, Maryland 20852

Mr. E. C. Simpson
Director, Nuclear Site
Florida Power Corporation Support
P.O. Box 219
Crystal River, Florida 32629

Resident Inspector
U.S. Nuclear Regulatory Commission
15760 West Powerline Street
Crystal River, Florida 32629

Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street N.W., Suite 2000
Atlanta, Georgia 30323

Jacob Daniel Nash
Office of Radiation Control
Department of Health and
Rehabilitative Services
1317 Winewood Blvd.
Tallahassee, Florida 32399-0700

Administrator
Department of Environmental Regulation
Power Plant Siting Section
State of Florida
2600 Blair Stone Road
Tallahassee, Florida 32301

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

Mr. W. S. Wilgus

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7. How would this transient be categorized using the SPIP designations?
8. What, if any, SPIP recommendations would have prevented, or mitigated, the event? Are there any SPIP recommendations which could have had an adverse effect on the transient.

Please contact me if you have any questions regarding this request, and to arrange a meeting if you prefer to respond in that manner.

Sincerely,

Original signed by

Harley Silver, Project Manager
Project Directorate II-2
Division of Reactor Projects-I/II
Office of Nuclear Reactor Regulation

cc: T. Martin
L. Shao
G. Lainas
R. Jones
S. Newberry
R. Kendall

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