



December 13, 1984
JPN-84-83

Director of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Mr. Domenic B. Vassallo, Chief
Operating Reactors Branch No. 2
Division of Licensing

Subject: James A. FitzPatrick Nuclear Power Plant
Docket No. 50-333
Generic Letter No. 84-23
Reactor Vessel Water Level Instrumentation in BWRs

Reference: 1. NRC Generic Letter No. 84-23, "Reactor Vessel Water
Level Instrumentation in BWRs," dated
October 26, 1984.
2. NYPA letter, C.A. McNeill Jr. to D. B. Vassallo,
dated November 30, 1984 (JPN-84-77) regarding
implementation of Regulatory Guide 1.97, Rev. 2.

Dear Sir:

Generic Letter No. 84-23 (Reference 1) requested plans and
schedules related to reactor water level instrumentation
improvements. Three potential improvement categories were
described in that letter.

The first category related to improvements that would reduce level
indication errors caused by high drywell temperature. The
Authority has not been able to formulate a definite engineering
solution for reducing these indication errors in the thirty days
allotted by the generic letter. Since this improvement is closely
related to modifications currently planned for the implementation
of Rev. 2 to Regulatory Guide 1.97, the Authority will integrate
our final resolution of this improvement into our Regulatory Guide
1.97 schedule, (Reference 2). In accordance with the schedules
included in Reference 2, the necessary modifications will be
completed thirty days after the end of the 1986 refueling outage
(Reload 7/Cycle 8) or December 31, 1986, whichever is later; (This
is the same date committed to for type A variables in Reference
2). Any changes to the Regulatory Guide 1.97 implementation
schedule will result in identical changes to this schedule.

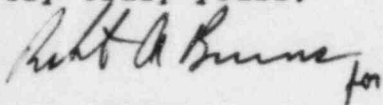
Category 2 improvements concern the replacement of mechanical level indication equipment with analog level transmitters. The Authority has purchased a Class IE Analog Transmitter Trip System (ATTS). The ATTS is an electronic system that will replace electromechanical switches in the Reactor Protection System and Emergency Core Cooling System.

Approximately one hundred pressure, level and temperature switches will be replaced with analog transmitter-trip unit combinations. These new ATTS transmitter-trip units are designed for high availability. In addition to providing continuous monitoring of critical plant parameters, the ATTS will also perform basic trip logic. Included as part of this replacement program is the existing reactor water level instrumentation. Installation is currently scheduled for the 1985 refueling outage (Reload 6/Cycle 7).

The third category concerns changes to the protection system logic. The Authority will address this area when the NRC staff completes its evaluation and formal requirements have been promulgated.

If you have any questions please contact Mr. J. A. Gray, Jr. of my staff.

Very truly yours,

A handwritten signature in cursive script, appearing to read "C. A. McNeill, Jr.", followed by a small "for" written below it.

C. A. McNeill, Jr.
Senior Vice President
Nuclear Generation

cc: Office of the Resident Inspector
U.S. Nuclear Regulatory Commission
Post Office Box 136
Lycoming, New York 10393