Florida Power
CORPORATION

November 19, 1980

File: 3-0-3-a-7
#3-110-13

Mr. Robert W. Reid
Chief
Operating Reactors Branch #4
U.S. Nuclear Regulatory Commission
Washington, DC 20555

SUBJECT: Crystal River Unit 3
Docket No. 50-302
Operating License No. DPR-72
Decay Heat System Check Valve Information

Dear Mr. Reid:

On October 20, 1980, the B&W Regulatory Response Group met with the NRC Staff to discuss possible generic implications of a check valve failure that occurred at the Davis-Besse Plant of Toledo Edison Company.

On October 24, 1980, we received via telecopy, and responded . tele-phone, to certain questions as they pertain to Crystal River Unit 3. Florida Power Corporation offers the attached as written confirmation of that information.

Should you require additional information, please contact this office.

Very truly yours,

FLORIDA POWER CORPORATION

Patsy Y. Baynard

Patsy Y. Baynard
Manager
Nuclear Support Services

Lobo(W04)D-8-3

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STATE OF FLORIDA

COUNTY OF PINELLAS

P. Y. Baynard states that she is the Manager, Nuclear Support Services Department of Florida Power Corporation; that she is authorized on the part of said company to sign and file with the Nuclear Regulatory Commission the information attached hereto; and that all such statements made and matters set forth therein are true and correct to the best of her knowledge, information and belief.

Patsy Y. Baynard
P. Y. Baynard

Subscribed and sworn to before me, a Notary Public in and for the State and County above named, this 19th day of November 1980.

Margaret A. Hannford
Notary Public

Notary Public, State of Florida at Large,

My Commission Expires: June 8, 1984

PYB/MAHNotary(DN-98)

FPC RESPONSE TO NRC QUESTIONS*
ON SWING CHECK VALVE IN THE
DECAY HEAT REMOVAL SYSTEM

Question 1: For each check valve, please indicate:

a. Manufacturer
b. Model Number
c. Valve Type.

RESPONSE:

a. Crane Valve Company.

b. 7154-U-6C.

c. Swing Check Valve.

Question 2: Date of last official inspection of internals.

RESPONSE: No record of a visual inspection since the installation of the valve has been found.

Observation: N/A

Question 3: Date of last individual hydrostatic test.

RESPONSE: No record of an individual hydrostatic test has been found.

Test Result: N/A

Question 4: Date of last ISI/IST Operability (Stroke) Test.

RESPONSE: February 29, 1980. Flow of 3,000 gallons per minute was verified.

Question 5: For those configurations which have two check valves and one MOV in series, is the MOV normally opened or closed during plant operations?

RESPONSE: The MOV is a normally closed valve.

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*Questions telecopied on October 24, 1980.

Question 6: Are the MOVs being cycled (either partial or full stroke) quarterly or has relief been sought in the ISI/IST Program to test during refueling outages?

RESPONSE: The MOVs are stroked every refueling outage and any outage for which we are in a cold shutdown mode for greater than 48 hours if the test has not been run in the last three months. This is in accordance with Surveillance Procedure 435, "Valve Testing During Cold Shutdown".

Question 7: What provisions (either hardware or administrative) are there to preclude opening MOVs when there is reactor coolant pressure present on the high pressure side of the valve?

RESPONSE: Operations Procedure (OP) 404, "Operation of the Decay Heat Removal System", Section 4.3, provides an administrative limit to prevent opening the MOVs with reactor coolant pressurizer pressure above 284 psig. For valve testing, OP 209, "Plant Cooldown", is applicable and cold shutdown is a prerequisite, thereby obviating the possibility of having valves with full primary pressure on the high pressure side of the valve.

Question 8: In the past, have valves been known or found to lack integrity?

RESPONSE: No.

Question 9: Will plant modifications be necessary to accomplish individual hydrostatic tests?

RESPONSE: Yes. Pressure taps are present on the downstream sides of the check valves, but the modification required will be the installation of piping isolation valves and instrumentation.

Question 10: Is there a pressure indication on the low pressure side of either or both check valves? Is there remote pressure indication?

RESPONSE: There is pressure indication, gauge temporarily installed on the upstream side of the outboard check valve between that check valve and the MOV. This was installed in a previously existing vent and drain valve. There is no remote pressure indication available.

Question 11: What is the date of the next plant outage which would allow both visual inspection of valve internals as well as hydrostatic test of each valve?

RESPONSE: Fall of 1981.