



Docket No. 50-346

License No. NPF-3

Serial No. 819

July 7, 1982

RICHARD P. CROUSE
Vice President
Nuclear
(419) 259-5221

Director of Nuclear Reactor Regulation
Attention: Mr. John F. Stolz
Operating Reactors Branch No. 4
Division of Operating Reactors
United States Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Stolz:

On November 25, 1981 (Serial No. 757), Toledo Edison submitted a license amendment request, which included the safety grade Anticipatory Reactor Trip System (ARTS) for Davis-Besse Nuclear Power Station Unit No. 1. This amendment request was revised by our March 5, 1982 (Serial No. 787) submittal.

On October 3, 1979 (Serial No. 540) Toledo Edison responded to a staff request for additional information. Since then, operational considerations have dictated a need for revisions to the information contained in Attachment B of our October 3, 1979 submittal. The two revised sections should read as follows:

1. Operating Bypasses - There are two operating bypasses. The first bypass consists of blocking the turbine generator status input when the reactor power is equal to or less than 25 percent. The bypass is automatically initiated and is automatically removed when the reactor power is above 25 percent. The bypass signals are part of the protective system and originate from the Reactor Protection System (RPS).

The second bypass relates to the main feedwater pump status input when operating the unit in Mode 2. In Mode 3, during start up and at very low (approximately 1%) power levels, the electric motor driven start up feedwater pump is the only source of feedwater to the steam generators. At this power there is sufficient steam

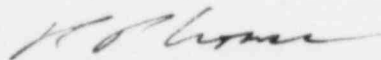
A001

Docket No. 50-346
License No. NPF-3
Serial No. 819
July 7, 1982
Page 2

produced to start a main feedwater pump. Following a brief overlap of running both the start up feedpump and a main feedpump simultaneously, the start up feedpump is stopped. The operating bypass consists of blocking the main feedwater pump trip input to the ARTS using the Test Trip Bypass. The bypass is manually initiated under administrative control just prior to stopping the main feedpump during shutdown and removed after the main feedpump is started during unit startup. This second bypass is also used in Mode 3, 4, and 5, when the ARTS is not required to be operable.

2. Indication of Bypasses - Initiation of the Test Trip Bypass will be continuously indicated at the system cabinets, the Station computer, and Control Room annunciator. Initiation of the operating bypasses will also be continuously indicated at the system cabinets, the Station computer, and Control Room annunciator. The bypass indication is in accordance with IEEE 279, Section 4.13, "Indication of Bypasses". If the protective action of some part of the system has been bypassed or deliberately rendered inoperative for any purpose, this fact shall be continuously indicated in the Control Room."

Very truly yours,



RPC:FRM:TKR:lab

cc: DB-1 NRC Resident Inspector