

Docket No. 50-346

License No. NPF-3

Serial No. 859

September 14, 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 August 23, 1982, James Keppler, Regional Administrator, Office of Inspection & Enforcement, Region III, sent Toledo Edison a modification to his Confirmatory Action Letter dated August 13, 1982. This modification, in part, restricted the operation of the Davis-Besse Nuclear Power Station, Unit 1, to 1% of rated thermal power until Region III had reviewed the results of the Auxiliary Feedwater Flow Verification and Water Hammer Tests.

This letter is to document that review. Luis Reyes, Section Chief, Project Branch, witnessed the Water Hammer Test and Paul Byron, Region III Inspector, reviewed the results of the Flow Verification Test. The calculation sheet from the Auxiliary Feedwater Flow Test run on 08/25/82 is included as Attachment 1 to this letter.

This letter is being sent for your information, at the request of Region III.

Very truly yours,

RPC:RFP:nlf
encl.

cc: DB-1 Resident Inspector
Paul Byron, NRC Region III

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Attachment 1

CALCULATION SHEET

INSTRUCTION	AFP #1	AFP #2
INDICATED FLOW ON SAFETY GRADE INSTR. (GPM)	935 _{GPM}	71000 _{GPM}
ACTUAL FLOW BASED ON CALIBRATION WITH S.G. LEVELS [TEST OF 8/25/82] (GPM)	987 _{GPM}	1070 GPM
MINIMUM RELIEF FLOW CALCULATED (GPM)	224 _{GPM}	224 GPM
TOTAL PUMP FLOW (GPM) [STEP 2 PLUS STEP 3]	1211 _{GPM}	1294 GPM
S.G. PRESSURE DURING TEST POINT (PSIG)	977 _{PSIG}	1001 PSIG
DIFFERENCE BETWEEN DESIGN PRESSURE AND ACTUAL [1050 PSIG MINUS STEP 5]	73 PSIG	49 PSIG
REDUCTION IN FLOW REQUIRED TO OBTAIN ADDITIONAL PRESSURE OF STEP 6 [FROM PUMP CURVES WITH 229 GPM MIN. RELIEF]	141 GPM	90 GPM
AFP FLOW TO S.G. CALCULATED AT 1050 PSIG S.G. PRESSURE [STEP 2 MINUS STEP 7]	846 GPM	<u>980 GPM</u>

CALCULATIONS PERFORMED BY *Stan Catch* DATE 8/30/81
CALCULATIONS CHECKED BY *Erin L. Catch* DATE 8/30/81