

**GPU Nuclear Corporation**  
Post Office Box 480  
Route 441 South  
Middletown, Pennsylvania 17057  
717 944-7621  
TELEX 84-2386  
Writer's Direct Dial Number:

September 29, 1982

5211-82-238

Office of Nuclear Reactor Regulation  
Attn: J. F. Stolz, Chief  
Operating Reactor Branch No. 4  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

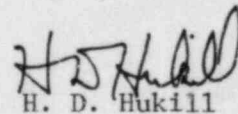
Dear Sir:

Three Mile Island Nuclear Station, Unit 1 (TMI-1)  
Operating License No. DPR-50  
Docket No. 50-289  
Seismic Qualification of Emergency Feedwater System (EFW)

As a supplemental response to our letter of September 14, 1982 (82-216) enclosed please find a summary of 96 EFW/Instrument Air (IA) valves which have been found to be structurally and operationally adequate when subjected to Safe Shutdown Earthquake (SSE) stresses along with normal operational loads. The basis for the analysis was the same as that discussed in our September 14, 1982 letter.

Additionally, the vent stacks for both the main steam relief valves (MS-V-22A/B) and the atmospheric dump valves (MS-V-4A/B) will be included as part of the long term EFW upgrade program. A detailed analysis of these vents will be performed and any resultant modifications will be implemented during Cycle 6 refueling outage.

Sincerely,



H. D. Hukill  
Director, TMI-1

HDH:CJS:vjf

Enclosure

cc: R. Jacobs  
R. C. Haynes

A001

8210050196 820929  
PDR ADOCK 05000289  
P PDR

TABLE 2

## EFW VALVE SEISMIC QUALIFICATION SUMMARY

Valve Designator	Valve Type	Vendor	SSE(=2 OBE) Acceptance Criteria		Adequacy	
			Horiz. (g)	Vert. (g)	Struct.	Oper.
COV 25A&B	Swing Chk	Walworth	2.0	1.4	yes	yes
EFV 15A&B	Reducer	Fisher	3.0	2.0	yes	yes
EFV 35	Relief	Lonergan	3.0	2.0	yes	"
EFV 39A&B	Relief	Lonergan	3.0	2.0	yes	yes
IAV 1601,1603,1605	Angle	Matheson	4.0	3.0	yes	yes
1607,1609,1611	"	"	"	"	"	"
1613 (A&B All)	"	"	"	"	"	"
IAV 1458, 1461	Angle	"	4.0	3.0	"	"
IAV 1602,1604,1606	Check	"	"	"	"	"
1608,1610,1612 &	"	"	"	"	"	"
1614(A&B All)	"	"	"	"	"	"
IAV 1431,1433,1437	"	"	"	"	"	"
1439,1445,1446	"	"	"	"	"	"
1448,1449,1451,1452	"	"	"	"	"	"
1457,1460,1463,1454	"	"	"	"	"	"
IAV 1615 A&B	Globe Stop	Velan	"	"	"	"
IAV 1443,1455	"	"	"	"	"	"
IAV 1616,1617,1618	Globe	Hancock	"	"	"	"
(A&B All)	"	"	"	"	"	"
IAV 1625,1626,1632	Switching	Fisher	"	"	"	"
(A&B All)	"	"	"	"	"	"
IAV 1636,1637,1639	Check	Parker-	"	"	"	"
1641, 1643,1645		Hannifin	"	"	"	"
1647,1649		"	"	"	"	"
IAV 1651, 1653,1655	Check	"	"	"	"	"
1658,1660,1663	"	"	"	"	"	"
1634, 1661, 1656	"	"	"	"	"	"
IAV 1627 A&B	Globe	Hancock	"	"	"	"
IAV 1628 A&B	Globe Ck.	"	"	"	"	"
IAV 1621 A&B	Regulator	Fisher	"	"	"	"
IAV 1622 A&B	"	"	"	"	"	"
IAV 1624 A&B	Relief	Crosby	"	"	"	"