

## (7-77)

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

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REPORT SOURCE

L	6	0	5	0	0	0	2	8	9	7	1	1	1	3	8	3	8	1	2	1	3	8	3	9
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DOCKET NUMBER

EVENT DATE

REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 7

0 8

7 8 9

80

09		SYSTEM CODE M C		11	CAUSE CODE E		12	CAUSE SUBCODE E		13	COMPONENT CODE I N S T R U				14	COMP. SUBCODE R		15	VALVE SUBCODE Z		16										
7	8	9	10		11		12								16																
17		LER/RO REPORT NUMBER		EVENT YEAR 8 3		21	22	SEQUENTIAL REPORT NO. 0 4 5		24	25	26	OCCURRENCE CODE 0 3		28	29	REPORT TYPE L		30	31	REVISION NO. 0		32								
ACTION TAKEN A		FUTURE ACTION Z		EFFECT ON PLANT Z		33	34	SHUTDOWN METHOD Z		36	HOURS 0 0 0 0		37	38	39	40	ATTACHMENT SUBMITTED Y		41	NPRD-4 FORM SUB. N		42	PRIME COMP. SUPPLIER A		43	COMPONENT MANUFACTURER X 9 9 9		44	45	46	47
18		19		20				21			22						23			24			25		26						

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1	4		80
7	8	9	

FACILITY STATUS (28) 1 5 X  
 % POWER 0 0 0 (29)  
 OTHER STATUS (30) NRC Order  
 METHOD OF DISCOVERY (31) B  
 DISCOVERY DESCRIPTION (32) Operator Observation

ACTIVITY CONTENT  
RELEASED OF RELEASE

1 6 Z 33 Z 34

AMOUNT OF ACTIVITY (35)  
N/A

LOCATION OF RELEASE (36)  
N/A

PERSONNEL EXPOSURES				8312300138 821213	
NUMBER	TYPE	DESCRIPTION			
1 2	0 0 0	(37) A	(38)	PDR ADCK 05000289	
				S	PDR

PERSONNEL INJURIES						(41)
NUMBER						DESCRIPTION
						N/A

7	8	9	10	11	12							80
LOSS OF OR DAMAGE TO FACILITY (43)												
TYPE		DESCRIPTION										
1	2	3	4	5	6	7	8	9	10	11	12	13
		N/A										

[illegible]

NRC USE ONLY

NAME OF PREPARER C. J. Stephenson

PHONE (717) 948-8554

426-716-0317

I. CURRENT ACTIVITIES

TMI Unit 1 was in a long term cold shutdown.

II. CIRCUMSTANCES LEADING TO THE OCCURRENCE

Because of erratic flow indication, the plant effluent flowmeter, FT-146, was taken out of service for inspection on November 13, 1983 at 0500. Inspection results revealed deficiencies that resulted in rendering the flowmeter inoperable.

III. DESCRIPTION

While the plant effluent flowmeter was out of service, the minimum number of operable channels was less than that required by Tech. Spec. 3.21-1. This item is considered reportable under Technical Specification 6.9.2.B(2) as operation in a degraded mode permitted by a limiting condition for operation.

Per action statement 21 of Tech. Spec. Table 3.21-1.3.b, plant effluent flow-rates were estimated every 4 hours while FT-146 was out of service.

IV. RESULTANT EVENT

No significant events occurred as a result of this inoperability.

V. PREVIOUS EVENTS OF A SIMILAR NATURE

No previous reportable events of a similar nature.

VI. ROOT CAUSE

There were two causes for the inoperability of FT-146. The first cause was that the propeller shaft bearing was slightly misaligned during previous maintenance, causing light binding at low flowrates and yielding an indication that flow had dropped. The second problem was occasional slippage of the friction wheel in the flow recorder causing the flow recorder to indicate high flow spikes.

VII. IMMEDIATE CORRECTIVE ACTION

The lower shaft assembly was replaced with a spare and the recorder friction wheel was cleaned with alcohol. The plant effluent flow indication was declared operable at 0820 on November 17, 1983.

VIII. LONG TERM CORRECTIVE ACTION

To document the lessons learned for future use, Plant Maintenance is preparing a procedure to give detailed instructions for rebuilding the plant effluent flowmeter. This procedure will also give information on cleaning the flow recorder's friction wheel.

IX. COMPONENT FAILURE DATA

Hersey-Sparling Meter Co. Series 100 Waterworks Intake Meter and flow recorder  
Type 219.



GPU Nuclear Corporation  
Post Office Box 480  
Route 441 South  
Middletown, Pennsylvania 17057-0191  
717 944-7621  
TELEX 84-2386  
Writer's Direct Dial Number:

December 13, 1983  
5211-83-366

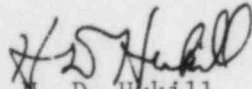
Dr. T. E. Murley  
Region I, Regional Administrator  
U. S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, PA 19406

Dear Sir:

Three Mile Island Nuclear Station, Unit 1 (TMI-1)  
Operating License No. DPR-50  
Docket No. 50-289  
LER 83-045/03L-0

This letter transmits Licensee Event Report 83-045/03L-0 concerning plant effluent flow meter inoperability. Public health and safety were unaffected.

Sincerely,

  
H. D. Hukill  
Director, TMI-1

HDH:CJS:vjf

Enclosures

cc: R. Conte  
Document Management Branch

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