

June 18, 1984  
JPN-84-38

Director of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attention: Mr. Domenic B. Vassallo, Chief  
Operating Reactor Branch No.2  
Division of Licensing

Subject: James A. FitzPatrick Nuclear Power Plant  
Docket No. 50-333  
NUREG-0737 Post-TMI Requirements  
Item II.F.1.4 Containment Pressure Monitors  
Item II.F.1.5. Containment Water Level Monitor

- References:
1. NRC letter, D.B. Vassallo to L.W. Sinclair, dated February 2, 1983.
  2. NYPA letter, J.P. Bayne to D.B. Vassallo, dated April 8, 1983 (JPN-83-23).
  3. NYPA letter, J.P. Bayne to D.B. Vassallo, dated May 2, 1983 (JPN-83-38).
  4. NYPA letter, J.P. Bayne to D.B. Vassallo, dated June 23, 1983 (JPN-83-58).
  5. NRC letter, D.B. Vassallo to J.P. Bayne, dated April 19, 1984.

Dear Sir:

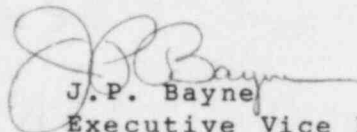
In Reference 1 the NRC requested information concerning the subject modifications. The Authority responded to this request in References 2, 3, and 4. Reference 5 requested resolution of additional questions resulting from the NRC Staff's review. In response to these questions we are transmitting revised Tables as well as new Figures in Attachment 1. This Attachment, therefore, supersedes the information tables submitted previously in Reference 4.

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If you have any further questions, please contact Mr. Jack A. Gray of my staff.

Very truly yours,



J.P. Bayne  
Executive Vice President  
Nuclear Generation

cc: Office of the Resident Inspector  
U.S. Nuclear Regulatory Commission  
P.O. Box 136  
Lycoming, New York 13093

NEW YORK POWER AUTHORITY

JAMES A. FITZPATRICK NUCLEAR POWER PLANT

ATTACHMENT 1 to JPN-84-38

DATED

TABLE 1

<u>MONITORED ITEM</u>	<u>SYSTEM ACCURACIES</u> <u>LOCA/HELB</u>	<u>Accuracy (% span)</u>
		<u>POST/DBE</u>
Reactor Pressure	$\pm 3.6$	$\pm 1.3$
Drywell Pressure (Low Range)	$\pm 3.6$	$\pm 1.3$
Drywell Pressure (High Range)	$\pm 3.6$	$\pm 1.3$
Suppression Pool Level	$\pm 3.6$	$\pm 1.3$
Drywell Level	$\pm 9.5$	$\pm 3.5$

TABLE 2

## PRESSURE MONITORING SYSTEM

Component	Range	Accuracy (% span)		Response Time*
		LOCA/HELB	POST-DBE	
Pressure Transmitter 5A	-5 - + 5 psig	±3.5	±1.0	180 msec
Pressure Transmitter 4A	0-250 psig	±3.5	±1.0	180 msec
Pressure Transmitter 6A	0-1500 psig	±3.5	±1.0	180 msec
Signal Conversion Module 3A, 4A	N/A**	±0.5	±0.5	50 msec
Signal Distribution Module 2A, 3A	N/A	N/A	N/A	N/A
Pressure Recorder PRLA (2 pen)	-5 - +5 psig 0-250 psig	±0.75	±0.75	3.5 sec
Pressure Recorder PR2A	0-1500 psig	±0.75	±0.75	3.5 sec
Pressure Indicator 1A 2A 3A	0-250 psig -5 - +5 psig 0-1500 psig	±0.5	±0.5	3.5 sec

\*time required to reach 90% of final value following a step input from 10% to 90% of span

\*\*not applicable

TABLE 3

## WATER LEVEL MONITORING SYSTEM

<u>Component</u>	<u>Range</u>	<u>Accuracy (% span)</u>		<u>Response Time*</u>
		<u>LOCA/NELB</u>	<u>Post-DBE</u>	
Pressure Transmitter 1A, 2A	0-100 psig	±1.5	±1.0	180 msec
D/P Transmitter 3A	0-30 ft H <sub>2</sub> O	±3.5	±1.0	40 sec
Signal Conversion Module 1A, 2A	N/A**	±0.5	±0.5	50 msec
Summer 1A	N/A	±0.5	±0.5	1 msec
Signal Distribution Module 1A	N/A	N/A	N/A	N/A
Level Recorder 1A (2 pen)	0-100 ft H <sub>2</sub> O 0-30 ft H <sub>2</sub> O	±0.75	±0.75	3.5 sec
Level Indicator 1A	0-100 ft H <sub>2</sub> O	±0.5	±0.5	3.5 sec
Level Indicator 2A	0-30 ft H <sub>2</sub> O	±0.5	±0.5	3.5 sec

\*time required to reach 90% of final value following a step input from 10% to 90% of span

\*\*not applicable

\*  $\pm 0.5\%$  (normal)  
 $\pm 1.25\%$  (abnormal)  
 $\pm 5\%$  (seismic event)  
 $\pm 3.5\%$  (LOCA/HELB)  
 $1\%$  (post-DBE)

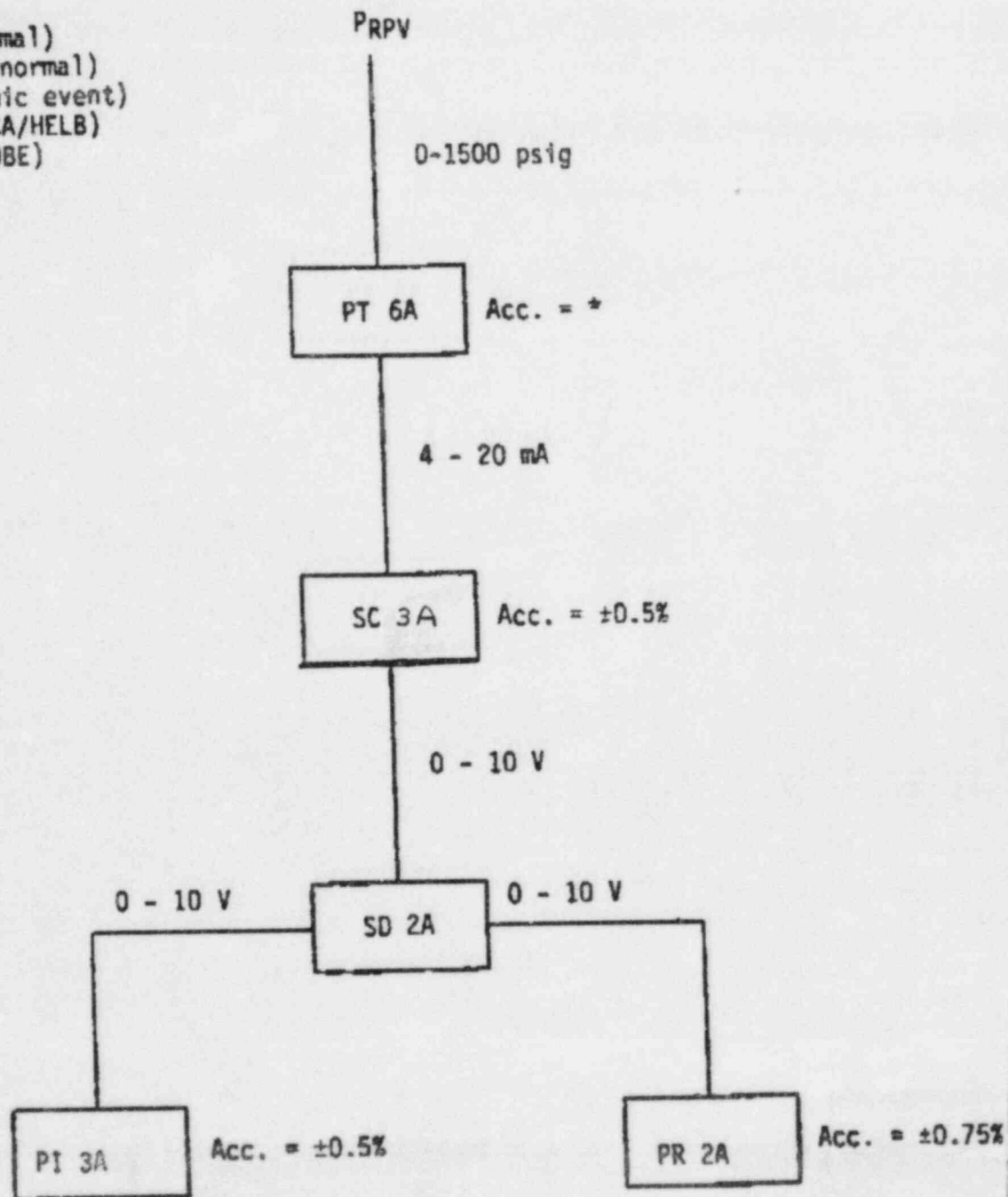


Figure 1. PRESSURE MONITORING SYSTEM - REACTOR

- \*  $\pm 0.5\%$  (normal)
- $\pm 1.25\%$  (abnormal)
- $\pm 5\%$  (seismic event)
- $\pm 3.5\%$  (LOCA/HELB)
- 1% (post-DBE)

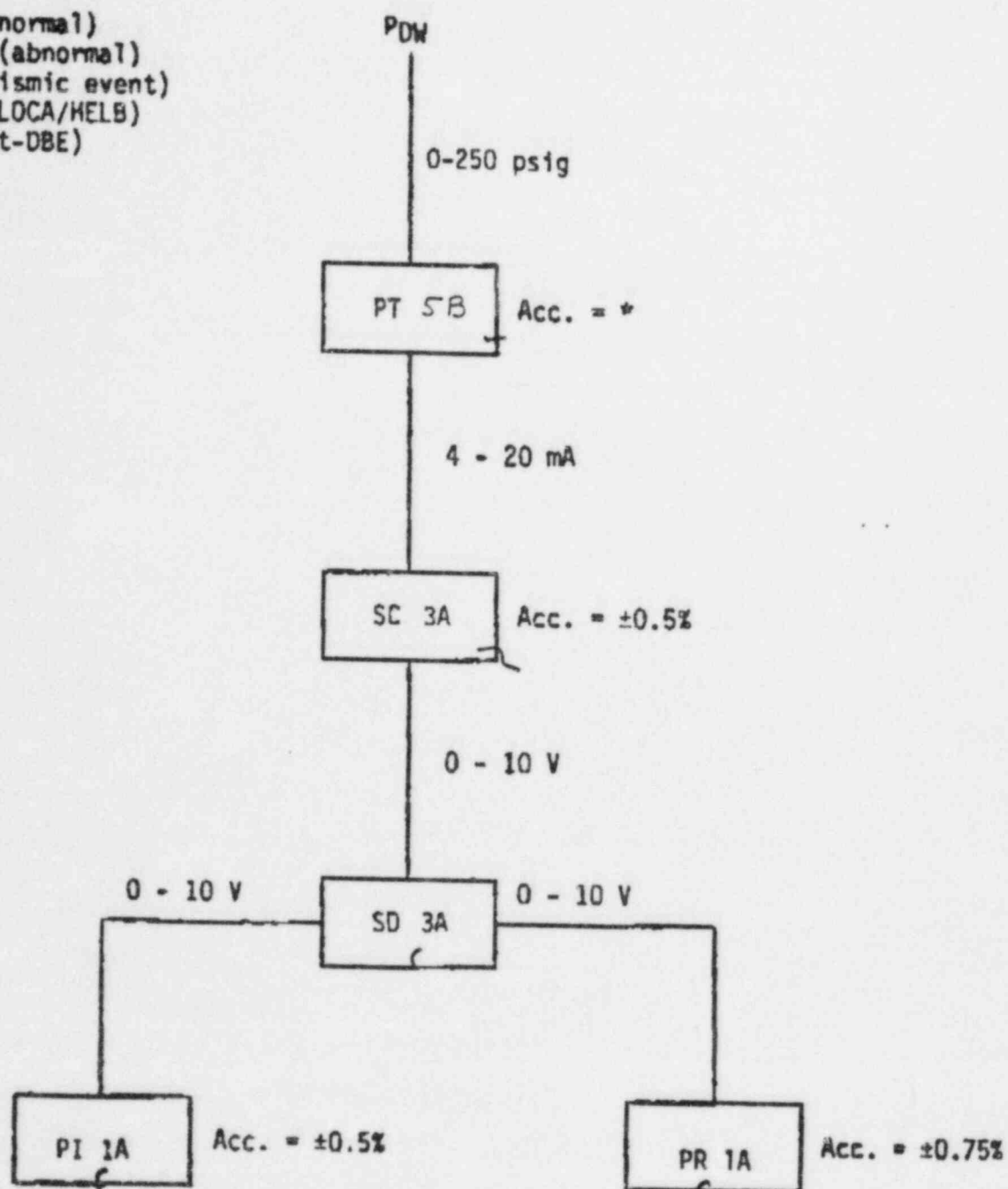


Figure 2. PRESSURE MONITORING SYSTEM - DRYWELL



\*  $\pm 0.5\%$  (normal)  
 $\pm 1.25\%$  (abnormal)  
 $\pm 5\%$  (seismic event)  
 $\pm 3.5\%$  (LOCA/HELB)  
 1% (post-DBE)

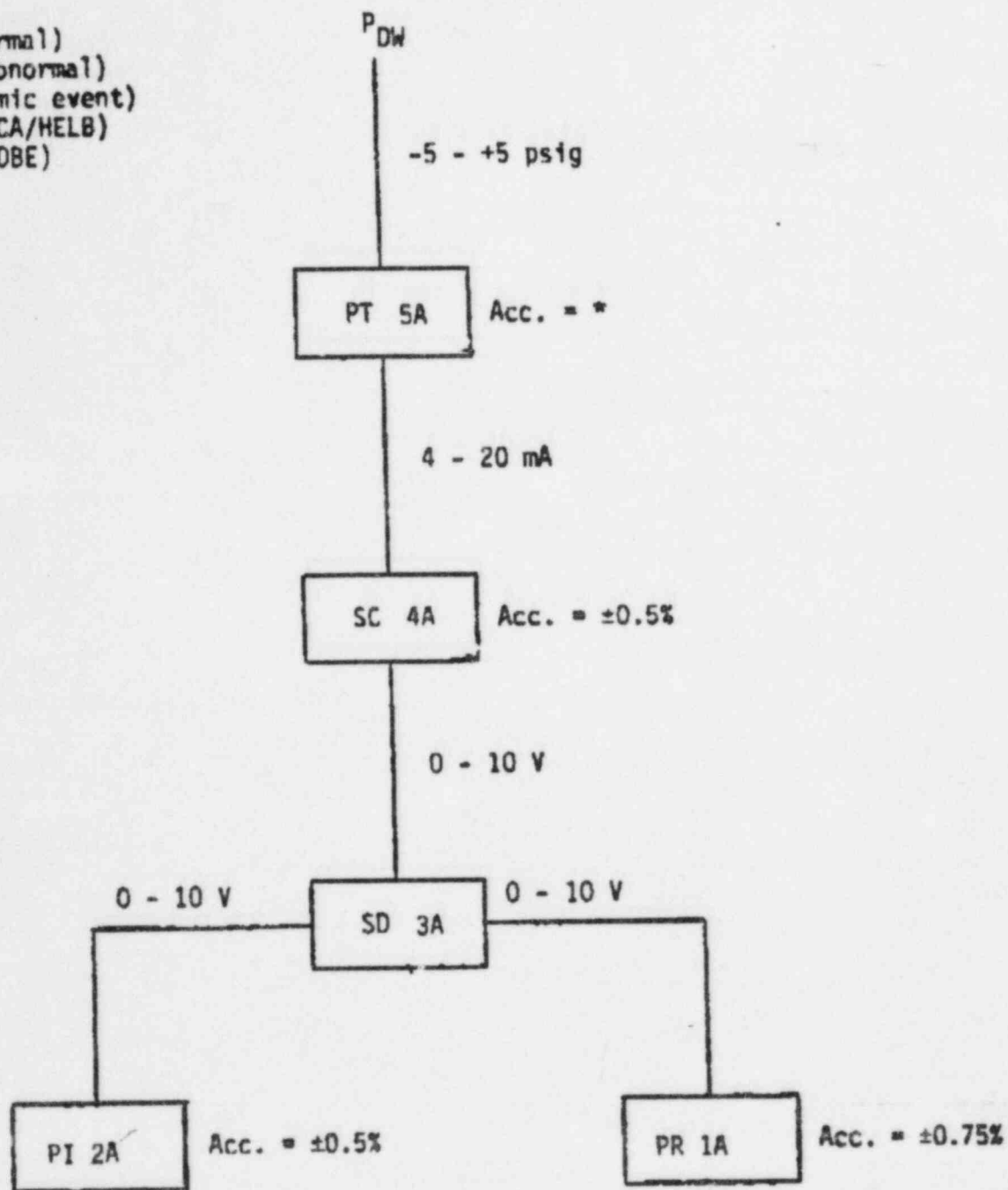


Figure 3. PRESSURE MONITORING SYSTEM - DRYWELL

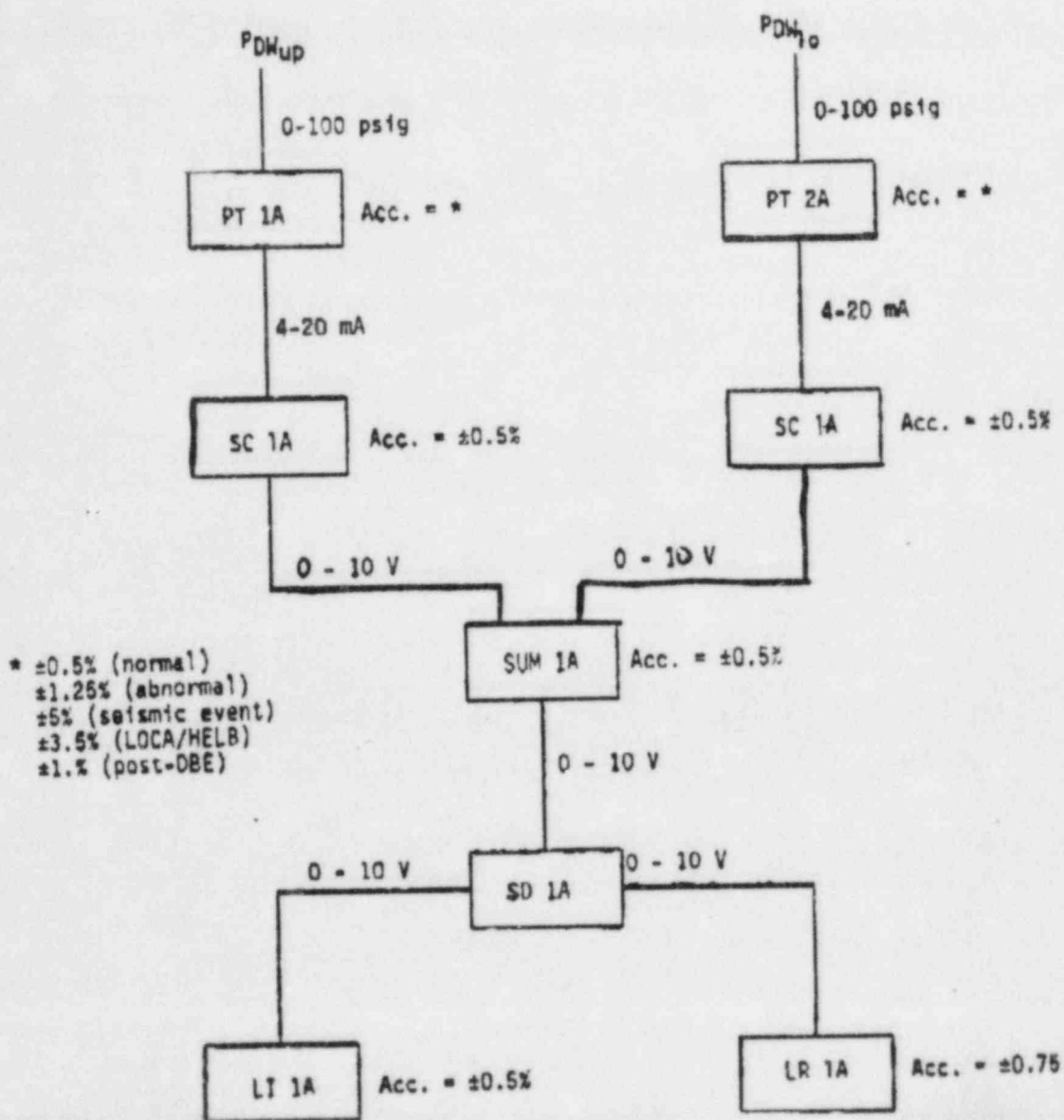


Figure 4. WATER LEVEL MONITORING SYSTEM - DRYWELL

\*  $\pm 0.1\%$  (normal)  
 $\pm 1.2\%$  (abnormal)  
 $\pm 5\%$  (seismic event)  
 $\pm 3.5\%$  (LOCA/HELB)  
 $1\%$  (post-DBE)

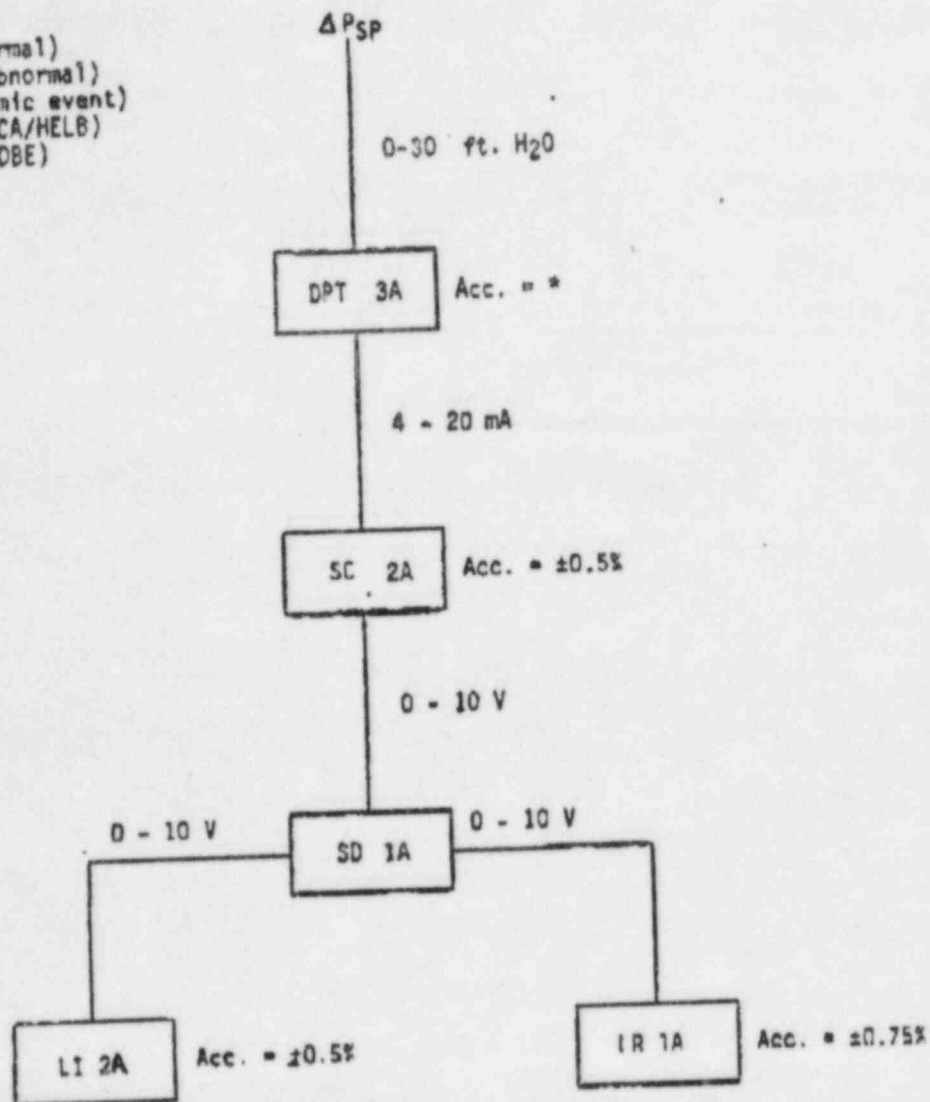


Figure 5. WATER LEVEL MONITORING SYSTEM- SUPPRESSION POOL