

BFN-25

Table 7.7-1

(Sheet 1)

REACTOR MANUAL CONTROL SYSTEM INSTRUMENTATION

<u>Measured Variable</u>	<u>Instrument Type</u>	<u>Instrument No.</u>	<u>Trip Setting</u>
Pump Suction Pressure	Pressure Indicator	2-PI-85-1	---
Pump Suction Pressure Alarm	Pressure Switch	2-PS-85-1 2-PA-85-1	low pressure
Pump Discharge Pressure	Pressure Indicator	2-PI-85-9	---
Filter Pressure Drop	$\Delta$ P Indicator	2-PDIS-85-10	high differential pressure
System Flow Indication and Controller	Flow Indicator	2-FI-85-11A 2-FI-85-11B	
Accum. HDR. CHG. PRESS Alarm	Press Indicator	2-PA-85-13	high pressure
Drive HDR. Flow	Flow Indicator	2-FI-85-15A 2-FI-85-15B	---
Drive HDR. Pressure	Pressure Indicator	2-PI-85-16	---
Drive HDR. Pressure Drop	$\Delta$ P Indicator	2-PDI-85-17A 2-PDI-85-17B	---
Cooling HDR. Flow	Flow Indicator	2-FI-85-25A 2-FI-85-25B	---
Cooling Pressure	Pressure Indicator	2-PI-85-26	---
Cooling HDR. Pressure Drop	$\Delta$ P Indicator	2-PDI-85-18A 2-PDI-85-18B	---
Stabilizing Flow	Flow Indicator	2-FI-85-22	---
Exhaust Pressure	Pressure Indicator	2-PI-85-29	---
Return Pressure	Pressure Indicator	2-PI-85-31	---
Scram Discharge Volume Level	Level Switch	2-LS-85-45L 2-LS-85-45M	---
Drive Temperature	Monitor	2-TR-85-7A 2-TR-85-7B 2-TR-85-7A1 2-TR-85-7B1	high temperature

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Table 7.7-1  
(Sheet 2)

REACTOR MANUAL CONTROL SYSTEM INSTRUMENTATION

<u>Measured Variable</u>	<u>Instrument Type</u>	<u>Instrument No.</u>	<u>Trip Setting</u>
Instrument Air Supply Pressure	Pressure Indicator	2-PI-85-12	---
F. C. Station Air Pressure	Pressure Indicator	2-PI-85-92	---
Scram Pilot Air HDR. Pressure	Pressure Indicator	2-PI-85-38	---
Scram Pilot Air HDR. Pressure	Pressure Switch	2-PS-85-38	low pressure high pressure
Accum. N <sub>2</sub> Chg. Pressure	Pressure Indicator	2-PI-85-33A 2-PI-85-33B	---
Exhaust Flow	Flow Indicator	2-FI-85-30A 2-FI-85-30B	---
FCV Electro/Pneumatic Converter	Pressure/Current	2-FM-85-11A 2-FM-85-11B	---
Reactor Pressure	Pressure Indicator	2-PI-85-19	---
Upstream Return Pressure	Pressure Indicator	2-PI-85-28	---
Control Rod Drive Overtravel (Withdraw direction)	Reed Switches	S-50	over travel
Control Rod Drive Overtravel (insert direction)	Reed Switches	S-51	full in over travel
Control Rod Position (normal range)	Reed Switches	S00-S48	---
Rod Block - neutron monitoring system trip channels	See "NEUTRON MONITORING SYSTEM"		
Rod Block - rod worth minimizer	See "PROCESS COMPUTER SYSTEM"		
Rod Block - flow converter and comparator trip channels	See "NEUTRON MONITORING SYSTEM"		