

TABLE 7.7-1

ROD STOPS

	<u>Rod Stop</u>	<u>Actuation Signal</u>	<u>Rod Motion To Be Blocked</u>
1.	Nuclear Overpower	1/4 high power range nuclear flux or 1/2 high intermediate range nuclear flux	Automatic and Manual Withdrawal
2.	High ΔT	2/4 overpower ΔT or 2/4 overtemperature ΔT	Automatic and Manual Withdrawal
3.	Low Power	Low turbine steamline inlet pressure	Automatic Withdrawal

Actuation of rod stop No. 2 above is accompanied by the initiation of turbine load reference reduction.

TABLE 7.7-2

OVERHEAD ANNUNCIATOR GROUPINGS

The alarm groupings are as follows:

DISPLAY A

ANNUNCIATOR
TEST/TROUBLE ALARMS
MISCELLANEOUS
FIRE PROTECTION

DISPLAY B

MISCELLANEOUS WATER SYSTEMS
VITAL DC
VITAL INVERTERS
MISCELLANEOUS ELECTRICAL
SERVICE WATER

DISPLAY C

WASTE DISPOSAL
LEAK DETECTION
AUXILIARY COOLING
CONTAINMENT

DISPLAY D

ECCS
REACTOR COOLANT SYSTEM

DISPLAY E

CHEMICAL AND VOLUME CONTROL SYSTEM
PRESSURIZER
NUCLEAR INSTRUMENTATION SYSTEM
ROD CONTROL

DISPLAY F

REACTOR TRIP
SAFETY INJECTION
TURBINE TRIP

DISPLAY G

MAIN STEAM
TURBINE AND CONDENSER
FEEDWATER
TURBINE AUXILIARY COOLING

TABLE 7.7-2 (Cont.)

DISPLAY H

MAIN GENERATOR
25KV TRANSFORMERS

DISPLAY J

VITAL AC
DIESEL GENERATORS
GROUP BUSES

DISPLAY K

CIRCULATING WATER
13KV SYSTEM
500KV SYSTEM

TABLE 7.7-3

SEISMIC MONITORING INSTRUMENTATION

<u>INSTRUMENTS AND SENSOR LOCATIONS</u>	<u>MEASUREMENT RANGE</u>
1. Triaxial Time-History Accelerographs	
a. Reactor Containment, Elev. 81'	0 - 1g
b. Reactor Containment, Elev. 130'	0 - 1g
c. Auxiliary Building, Elev. 122'	0 - 1g
2. Triaxial Peak Accelerographs	
a. Reactor Containment, Elev. 86'5"	0 - 1g
b. Reactor Containment, Elev. 136'3"	0 - 1g
c. Auxiliary Building, Elev. 122'5"	0 - 1g
d. Fuel Handling Building, Elev. 130'	0 - 1g

TABLE 7.7-4

SEISMIC MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

<u>INSTRUMENTS AND SENSOR LOCATIONS</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>	<u>CHANNEL FUNCTIONAL TEST</u>
1. Triaxial Time-History Accelerographs			
a. Reactor Containment, Elev. 81'	M*	R	SA
b. Reactor Containment, Elev. 130'	M*	R	SA
c. Auxiliary Building, Elev. 122'	M*	R	SA
2. Triaxial Peak Accelerographs			
a. Reactor Containment, Elev. 86'5"	NA	R	NA
b. Reactor Containment, Elev. 136'3"	NA	R	NA
c. Auxiliary Building, Elev. 122'5"	NA	R	NA
d. Fuel Handling Building, Elev. 130'	NA	R	NA

M = every 31 days

SA = every 6 months

R = every 18 months

NA = not applicable

* Except seismic trigger

TABLE 7.7-5

METEOROLOGICAL MONITORING INSTRUMENTATION

<u>INSTRUMENT</u>	<u>LOCATION</u>
1. Wind Speed	
a. Meteorological Tower	Nominal Elev. 33'
b. Meteorological Tower	Nominal Elev. 150'
c. Meteorological Tower	Nominal Elev. 300'
2. Wind Direction	
a. Meteorological Tower	Nominal Elev. 33'
b. Meteorological Tower	Nominal Elev. 150'
c. Meteorological Tower	Nominal Elev. 300'
3. Air Temperature - Delta T	
a. Meteorological Tower	Nominal Elev. 150' - 33'
b. Meteorological Tower	Nominal Elev. 300' - 33'

TABLE 7.7-6

METEOROLOGICAL MONITORING INSTRUMENTATION
SURVEILLANCE REQUIREMENTS

<u>INSTRUMENT</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>
1. Wind Speed		
a. Nominal Elev. 33'	D	SA
b. Nominal Elev. 150'	D	SA
c. Nominal Elev. 300'	D	SA
2. Wind Direction		
a. Nominal Elev. 33'	D	SA
b. Nominal Elev. 150'	D	SA
c. Nominal Elev. 300'	D	SA
3. Air Temperature - Delta T		
a. Nominal Elev. 150' - 33'	D	SA
b. Nominal Elev. 300' - 33'	D	SA

D = daily

SA= every 6 months