

FUNCTION

LIMITING SAFETY SYSTEM SETTINGS

B. Neutron Flux,
Control Rod Block

The Rod Block setting shall be

$$S \leq [(0.90 \times 10^{-6}) W + 53.1] \left[\frac{FRP}{MFLPD} \right]$$

with a maximum setpoint of 108% for core flow equal to 61×10^6 lb/hr and greater.

The definitions of S, W, FRP and MFLPD used above for the APRM scram trip apply.

The ratio of FRP to MFLPD shall be set equal to 1.0 unless the actual operating value is less than 1.0, in which case the actual operating value will be used.

This adjustment may be accomplished by increasing the APRM gain and thus reducing the flow referenced APRM rod block curve by the reciprocal of the APRM gain change.

C. Reactor High,
Pressure, Scram
D. Reactor High Pressure,
Relief Valves Initiation

≤ 1060 psig

2 @ ≤ 1085 psig
3 @ ≤ 1105 psig

E. Reactor High Pressure,
Isolation Condenser
Initiation

≤ 1060 psig with time delay
 ≤ 3 seconds

F. Reactor High Pressure,
Safety Valve Initiation

4 @ 1212 psig ± 12 psi
5 @ 1221 psig ± 12 psi

G. Low Pressure Main Steam
MSIV Closure

≥ 825 psig (initiated in IRM Line,
range 10)

H. Main Steam Line Isolation
Valve Closure, Scram

$\leq 10\%$ Valve Closure from
full open

I. Reactor Low Water Level,
Scram

$\geq 11'5"$ above the top of the
active fuel as indicated under normal
operating conditions

J. Reactor Low-Low Water
Level, Main Steam Line
Isolation Valve Closure

$\geq 7'2"$ above the top of the
active fuel as indicated under
normal operating conditions