

DETROIT EDISON - FERMI 2
AUTOMATED RECORD MANAGEMENT
DISTRIBUTION CONTROL LIST
10/09/98

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Technical Requirements Manual

Volume I

Detroit
Edison

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TRM - TABLE 3.3.1-2

(UFSAR TABLE 7.2-4)

REACTOR PROTECTION SYSTEM RESPONSE TIMES

<u>FUNCTIONAL UNIT</u>	<u>RESPONSE TIME (Seconds)</u>
1. Intermediate Range Monitors:	
a. Neutron Flux - High	NA
b. Inoperative	NA
2. Average Power Range Monitor*:	
a. Neutron Flux - Upscale, Setdown	NA
b. Simulated Thermal Power - Upscale	NA
c. Neutron Flux - Upscale	NA
d. Inoperative	NA
e. 2-out-of-4 Trip Voters	≤ 0.05*
3. Reactor Vessel Steam Dome Pressure - High	≤ 0.55 [#]
4. Reactor Vessel Low Water Level - Level 3	≤ 1.05 [#]
5. Main Steam Line Isolation Valve - Closure	≤ 0.06
6. Main Steam Line Radiation - High	NA
7. Drywell Pressure - High	NA
8. Scram Discharge Volume Water Level - High	
a. Float Switch	NA
b. Level Transmitter	NA
9. Turbine Stop Valve - Closure	≤ 0.06
10. Turbine Control Valve Fast Closure	≤ 0.08***
11. Reactor Mode Switch Shutdown Position	NA
12. Manual Scram	NA
13. Deleted	

*Neutron detectors, APRM channel and 2-out-of-4 Trip Voter digital electronics are exempt from response time testing. Response time shall be measured from activation of the 2-out-of-4 Trip Voter output relay.

***Measured from deenergization of K-37 relay which inputs the turbine control valve closure signal to the RPS.

The sensor response time need not be measured and may be assumed to be the design sensor response time. Prior to return to service of a new transmitter or following refurbishment of a transmitter (e.g., sensor cell or variable damping components), a hydraulic response time test will be performed to determine an initial sensor-specific response time value.