

# AUX FEED FLOW ORIFICE PI APPLICATION

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1] The postulated failure involves flowing service water through the orifices.

2] Since the IT's do not check recirc flow using service water as the water source, the postulated failure would not be detected during normal in-service tests. Therefore per NEI 99-02 rev2 p 33 the time should be handled through the safety determination process and entered only in the comments field.

3] Time should be calculated as the time the trains were required from the time that the new orifices were installed to the time that the trains were declared returned to service following the procedure changes to cycle the pumps on and off.

4] The above methodology should be discussed with the resident. If the resident is in agreement there is no need to submit an FAQ. The resident may decide that an FAQ should be submitted anyway to verify proper application of the NEI guidance.

## Fault Exposure Time

Modification	Pump	Start time of PMT	Completion of PMT
99-029 *A	P-38A	11/02/00 10:46	10:56
99-029 *B	P-38B	11/10/00 14:06	15:06
99-029 *C	1P-29	10/14/02 4:04	05:07
99-029 *D	2P-29	5/12/02	02:50

AFW system called OOS: 10/29/02 10:27  
Contingency actions in place: 10/29/02 13:05

## Info given to PRA:

The Terry Turbine drive AFPs (1/2 P-29) are only used for testing. Their average out of service time is 6.5 hours per quarter. A portion of this is for ESFAS and Logic testing. Data is not collected while the pump is on recirc, so this reduces the time again. This would bring us to approximately 5 hours per quarter or the following estimates:

1P-29 - less than 2 hours on 1RO-4003 recirculation orifice

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