

CONTAINMENT SYSTEMS3/4.6.3 CONTAINMENT ISOLATION VALVESLIMITING CONDITION FOR OPERATION

3.6.3 ^{Each} ~~The~~ containment isolation valve~~s~~ specified in Table 3.6-1 shall be OPERABLE, with isolation times as shown in Table 3.6-1. *

APPLICABILITY: MODES 1, 2, 3, and 4.

ACTION:

With one or more of the containment isolation valve(s) specified in Table 3.6-1 inoperable, maintain at least one isolation valve OPERABLE in each affected penetration that is open and:

- a. Restore the inoperable valve(s) to OPERABLE status within 4 hours, or
- b. Isolate each affected penetration within 4 hours by use of at least one deactivated automatic valve secured in the isolation position, or **
- c. Isolate each affected penetration within 4 hours by use of at least one closed manual valve or blind flange, or check valve with flow through the valve secured, ** or
- d. Be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.
- e. The provisions of Specification 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.6.3.1 ^{Each} ~~The~~ containment isolation valves specified in Table 3.6-1 shall be demonstrated OPERABLE prior to returning the valve to service after maintenance, repair or replacement work is performed on the valve or its associated actuator, control or power circuit by performance of a cycling test, and verification of isolation time.

* Locked or sealed closed containment isolation valves may be opened on an intermittent basis under administrative control.

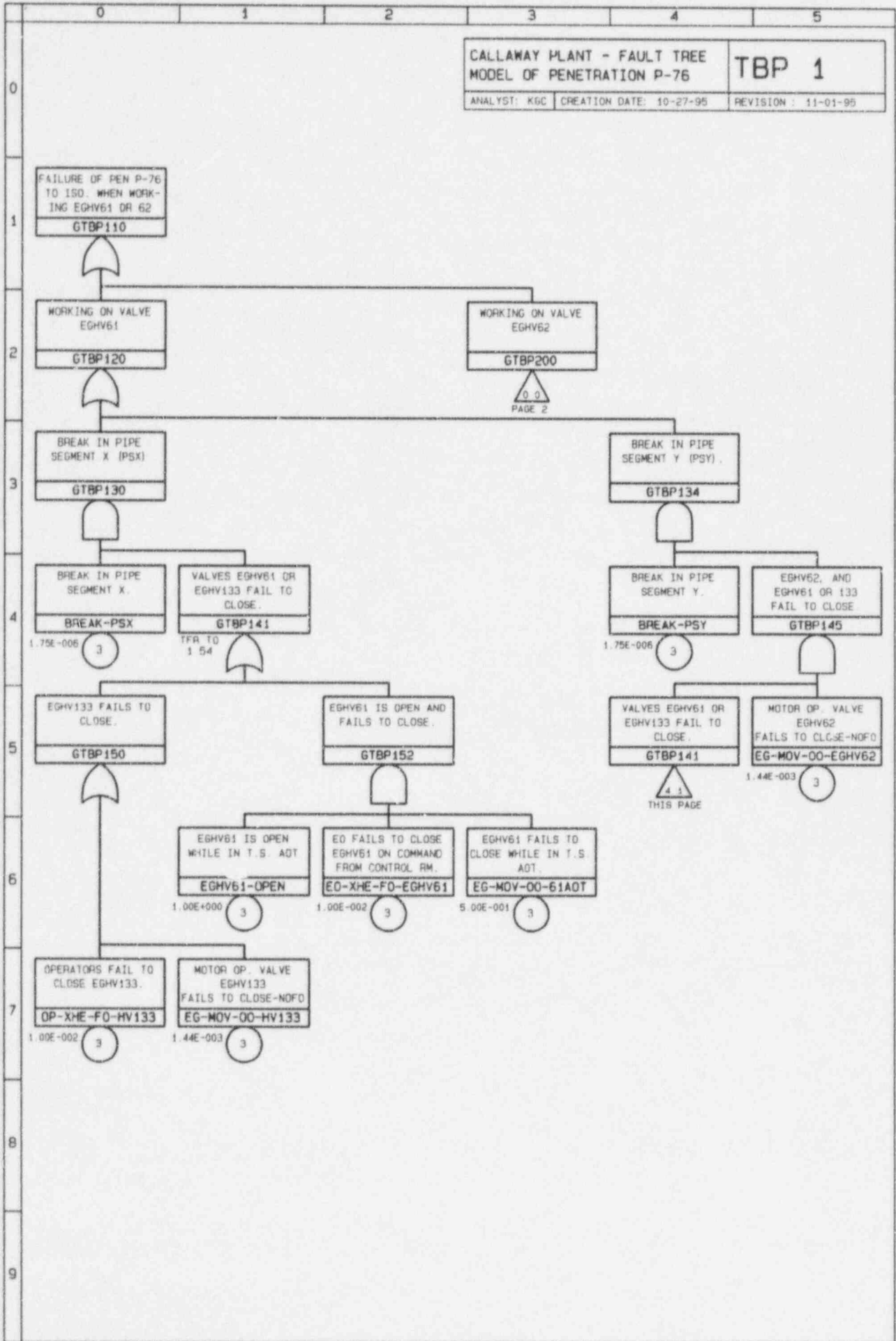
** INSERT HERE

ATTACHMENT 3

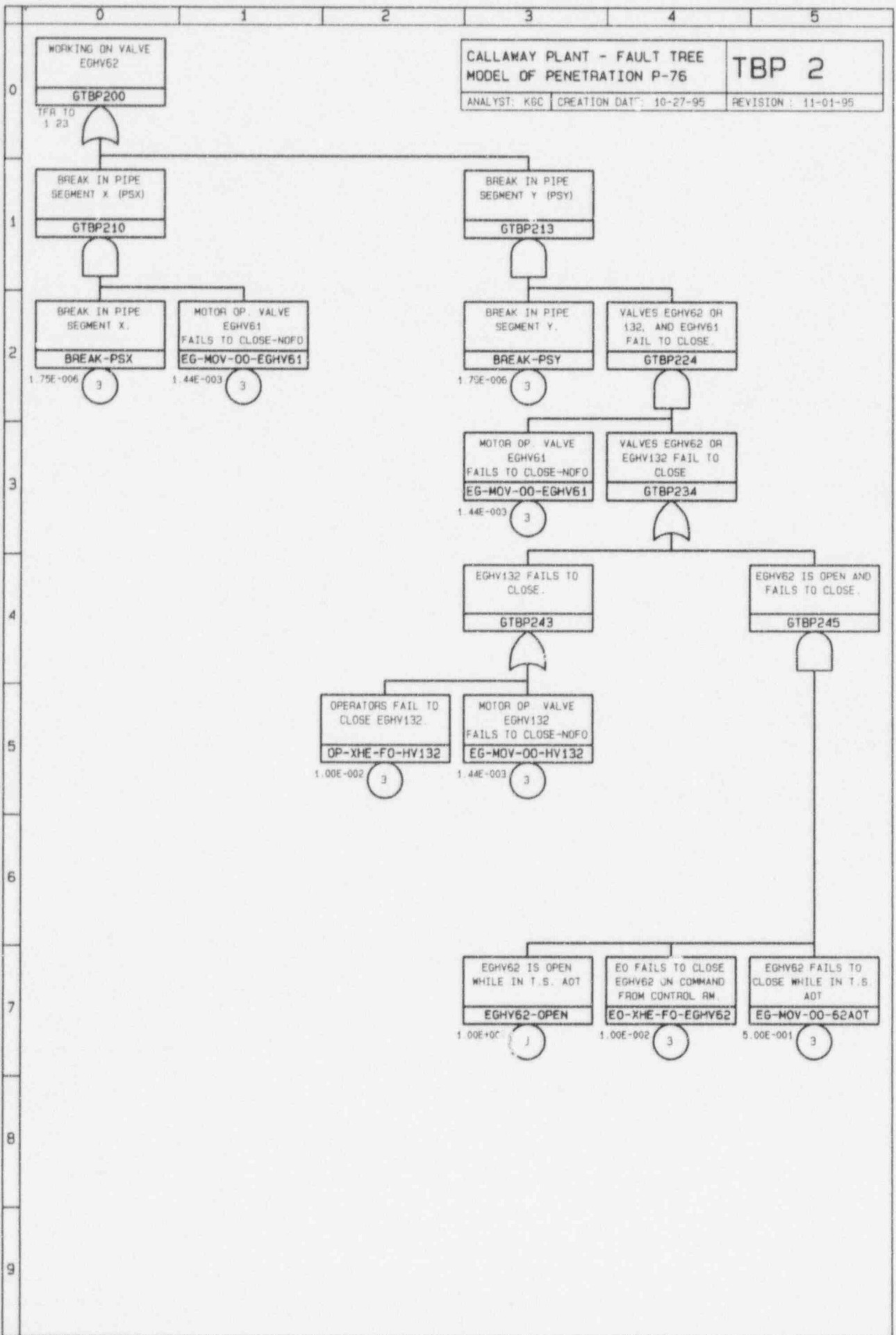
Insert to TS 3/4.6.3 (** footnote)

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For penetrations with parallel containment isolation valves, the penetration is considered isolated if the flowpath with the inoperable valve has been isolated. The penetration may still have flow through it utilizing a parallel flowpath. For the motor operated valves associated with reactor coolant pump cooling, automatic isolation valves (EGHV58, 59, 60, 61, 62) and remote manual isolation bypass valves (EGHV127, 130, 131, 132, 133), 12 hours are allowed to conduct actuator diagnostic evaluations which are required for post maintenance testing to restore a motor operated valve to an OPERABLE condition, during which time, the valve may be energized for short periods of time for the purpose of cycling.



TBPENET.LOC NUOPRA 2.3A HNUIS ENY



TBPENET.LOC NUPRA 2.3A PLUS Env

NUPRA 2.2x FILE : TBPENET.FTP UE
 Minimum Cut Set Solution for fault tree TBPENET , Serial no.= 9
 Performed : 13:07 1 NOV 1995
 Cut Set Equation produced is : TBPENET.EQN

CALLAWAY PLANT - FAULT TREE MODEL OF PENETRATION P-76

Top event: GTBP110
 Top event unavailability (r.ev. appr)= 3.14E-08
 Cutoff value used = 1.00E-20
 Number of Boolean Indicated Cut Sets = 10
 Number of MCS in equation file = 10

MINIMAL CUT SETS SORTED BY UNAVAILABILITY

1.	1.75E-08	OP-XHE-FO-HV133	BREAK-PSX	
2.	8.75E-09	BREAK-PSX	EGHV61-OPEN	EO-XHE-FO-EGHV61
		EG-MOV-OO-61AOT		
3.	2.52E-09	BREAK-PSX	EG-MOV-OO-EGHV61	
4.	2.52E-09	EG-MOV-OO-HV133	BREAK-PSX	
5.	2.52E-11	OP-XHE-FO-HV132	EG-MOV-OO-EGHV61	BREAK-PSY
6.	2.52E-11	OP-XHE-FO-HV133	EG-MOV-OO-EGHV62	BREAK-PSY
7.	1.26E-11	BREAK-PSY	EG-MOV-OO-EGHV62	EGHV61-OPEN
		EO-XHE-FO-EGHV61	EG-MOV-OO-61AOT	
8.	1.26E-11	BREAK-PSY	EG-MOV-OO-EGHV61	EGHV62-OPEN
		EO-XHE-FO-EGHV62	EG-MOV-OO-62AOT	
9.	3.63E-12	EG-MOV-OO-HV132	EG-MOV-OO-EGHV61	BREAK-PSY
10.	3.63E-12	EG-MOV-OO-HV133	EG-MOV-OO-EGHV62	BREAK-PSY

ATTACHMENT 5