

ARKANSAS NUCLEAR ONE
GENERATION SUPPORT BUILDING
1448 S.R. 333
RUSSELLVILLE, AR 72801
501) 858-5000

FAX COVERLETTER

DATE 9-24-02

TO Troy Pawett

COMPANY NAME NRC-SRA

CITY, STATE _____

FAX NUMBER 817-860-8212 VERIFY _____

NUMBER OF PAGES INCLUDING COVER 3

FROM Jessica Walker

COMPANY NAME AJO

DEPARTMENT PSA

FAX NUMBER (501) 858-4679

VERIFY (501) 858-4680

COMMENTS _____

Attached are Feed + Bleed
worksheets.

Jessica

TO BE COMPLETED BY SENDER
AFTER TRANSMISSION IS COMPLETE, PLEASE
RETURN BY MAIL _____ DISCARD _____ CALL FOR PICK-UP
PHONE NUMBER _____

XX-15
[Signature]

feed&bleed25_54.XLS

Ex-Control Room Model

- 1. EVENT UHFTHIAPD

- 2. EVENT IDENTIFICATION
 - 2.1 Descriptor Operator fails to start HPI Pump for feed and Bleed
when aux lube oil pump does not start from control ro
 - 2.2 Comment

- 3. EVENT CATEGORIZATION
 - 3.1 Event type post-initiator recovery
 - 3.2 Location of action(s) ex-control room
 - 3.3 Failure mode mistake

- 4. METHOD USED SAIC TRC system

- 5. INPUT PARAMETERS

5.1 Mean response time (min), m1	no default	10
5.2 Additions to response time	default is 0	15
5.3 Model error factor, f1	generic is 4.3905	default
5.4 Adjustments to error factor	default is 0	1
5.5 Model uncertainty error factor, fU	generic is 1.68	default
5.6 Available time (min), t	no default	54

- 6. CALCULATED PARAMETERS

6.1 Adjusted mean response time, mean	25.0
6.2 Adjusted error factor, fR	6.332
6.3 Median response time, m	23.8

- 7. EVENT OCCURENCE PROBABILISTIC ESTIMATES

7.1 Mean (explicitly includes associated equipment failures)	3.2E-01
7.2 95th percentile	4.0E-01
7.3 5th percentile	1.3E-01
7.4 Error Factor	1.78

- 8. ASSOCIATED EQUIPMENT RELIABILITY TREATMENT

8.1 Human reliability event mean failure probability	2.5E-01
8.2 Associated equipment reliability limited (1=yes,0=no)	1
8.3 Associated equipment failure probability (see E49)	6.90E-02
8.4 Combined human and equipment failure probability	3.23E-01

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3.2 Location of action(s) ex-control room
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4. METHOD USED SAIC TRC system

5. INPUT PARAMETERS

5.1 Mean response time (min), m1 no default 10
5.2 Additions to response time default is 0 25
5.3 Model error factor, f1 generic is 4.3905 default
5.4 Adjustments to error factor default is 0 1
5.5 Model uncertainty error factor, fU generic is 1.68 default
5.6 Available time (min), t no default 54

CALCULATED PARAMETERS

6.1 Adjusted mean response time, mean 35.0
6.2 Adjusted error factor, fR 6.332
6.3 Median response time, m 33.3

7. EVENT OCCURENCE PROBABILISTIC ESTIMATES

7.1 Mean (explicitly includes associated equipment failures) 4.2E-01
7.2 95th percentile 5.1E-01
7.3 5th percentile 1.9E-01
7.4 Error Factor 1.62

8. ASSOCIATED EQUIPMENT RELIABILITY TREATMENT

8.1 Human reliability event mean failure probability 3.5E-01
8.2 Associated equipment reliability limited (1=yes,0=no) 1
8.3 Associated equipment failure probability (see E49) 6.90E-02
8.4 Combined human and equipment failure probability 4.24E-01