

# CATEGORY 1

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RECIP. NAME      RECIPIENT AFFILIATION  
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SUBJECT: Forwards replacement pages for HPI reliability rept Pages  
5-56 & 5-57, which was forwarded to NRC on 971218.

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July 14, 1998

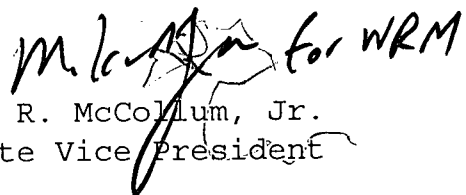
U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
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Subject: Oconee Nuclear Station  
Docket Nos. 50-269, -270, -287  
High Pressure Injection (HPI) Reliability Study

Attached are replacement pages for HPI Reliability Report  
pages 5-56 and 5-57 (pages 2 of 3 and 3 of 3 of Figure 5.3-  
1) which was forwarded to you on December 18, 1997. During  
the printing process, plots from Figures 5.3-2 were  
inadvertently used in Figure 5.3-1 also.

Please replace pages 5-56 and 5-57 in your copy of the  
report. We apologize for this inconvenience.

Very truly yours,

  
W. R. McCollum, Jr.  
Site Vice President

Attachment

cc: L. A. Reyes, Regional Administrator  
Region II

M. A. Scott, Senior Resident Inspector  
Oconee Nuclear Site

D. E. LaBarge, Project Manager  
NRR

R. H. Bernhard, Region II

W. G. Rogers, Region II

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### Uncertainty Analysis Summary

#### Input Options

Filename	: C:\CAFTA\HP\HCH15.CUT
Module Name	: HCH15INJ
Sample Size	: 5000
Seed	: 2511632
Point Estimate	: 3.57E-03
Number of Modules	: 1
Total Cutsets In All Modules	: 275
Number of Basic Events	: 123
Number of Type Codes	: 18
Inputs Missing Distribution	: 9

#### Moments

(With 95% Confidence)

	Low	Estimate	High
Mean	3.40E-03	3.50E-03	3.61E-03
Standard Deviation	3.83E-03	3.76E-03	3.69E-03
Skewness	-	9.30E+00	-
Kurtosis	-	1.51E+02	-

#### Percentiles

(With 95% Confidence)

	Low	Estimate	High
Minimum	-	5.08E-04	-
2.5	1.06E-03	1.09E-03	1.11E-03
5.0	1.20E-03	1.23E-03	1.26E-03
10.0	1.39E-03	1.41E-03	1.43E-03
20.0	1.68E-03	1.71E-03	1.74E-03
25.0	1.81E-03	1.84E-03	1.88E-03
30.0	1.95E-03	1.98E-03	2.02E-03
40.0	2.24E-03	2.28E-03	2.31E-03
50.0	2.55E-03	2.60E-03	2.66E-03
60.0	2.94E-03	3.00E-03	3.06E-03
70.0	3.47E-03	3.56E-03	3.65E-03
75.0	3.83E-03	3.93E-03	4.03E-03
80.0	4.25E-03	4.36E-03	4.47E-03
90.0	5.88E-03	6.10E-03	6.37E-03
95.0	7.99E-03	8.30E-03	8.74E-03
97.5	1.04E-02	1.15E-02	1.26E-02
Maximum	-	9.43E-02	-

Figure 5.3-1 Uncertainty Analysis Summary For DBA LOCA, Injection Mode

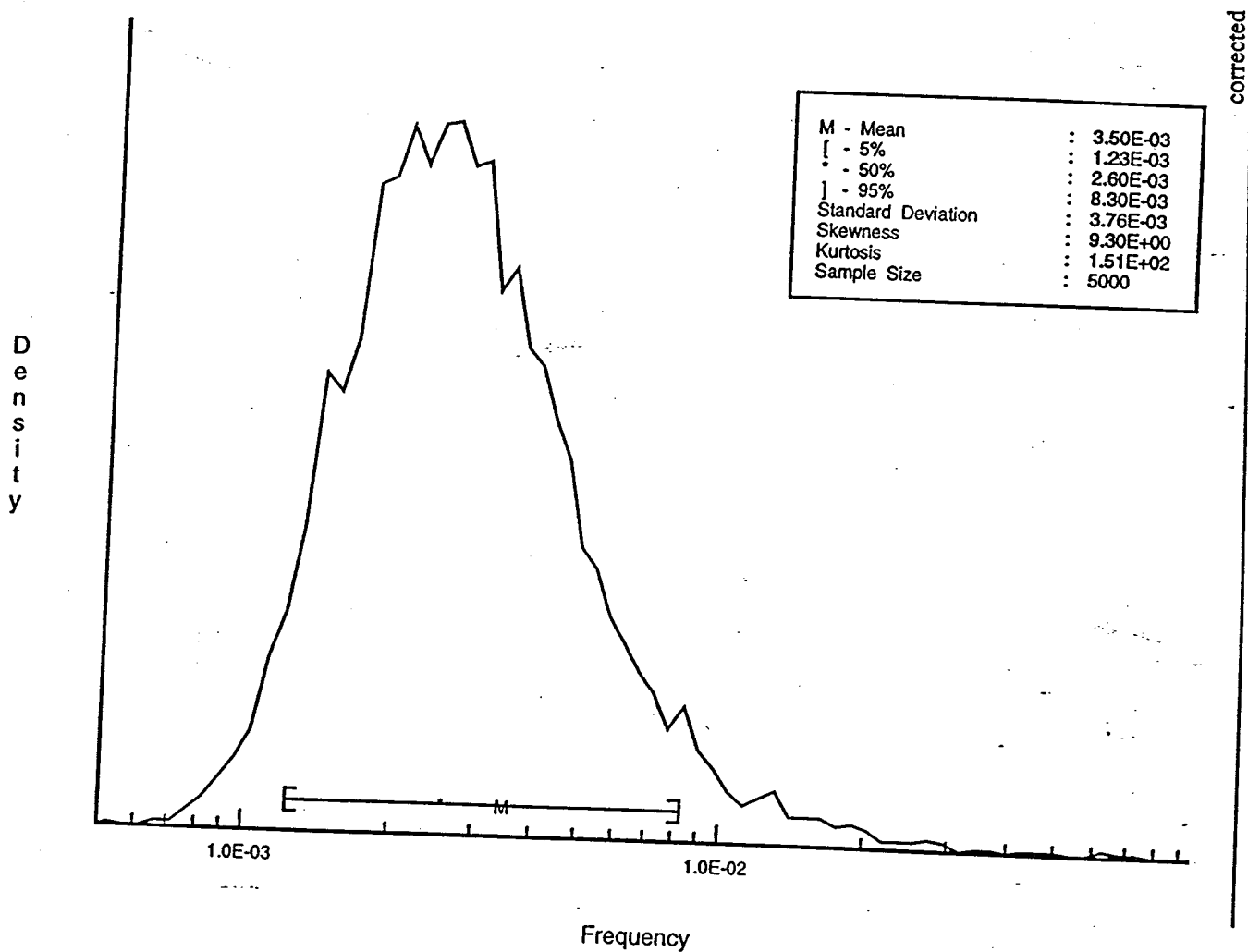


Figure 5.3-1 Uncertainty Analysis Summary For DBA LOCA, Injection Mode

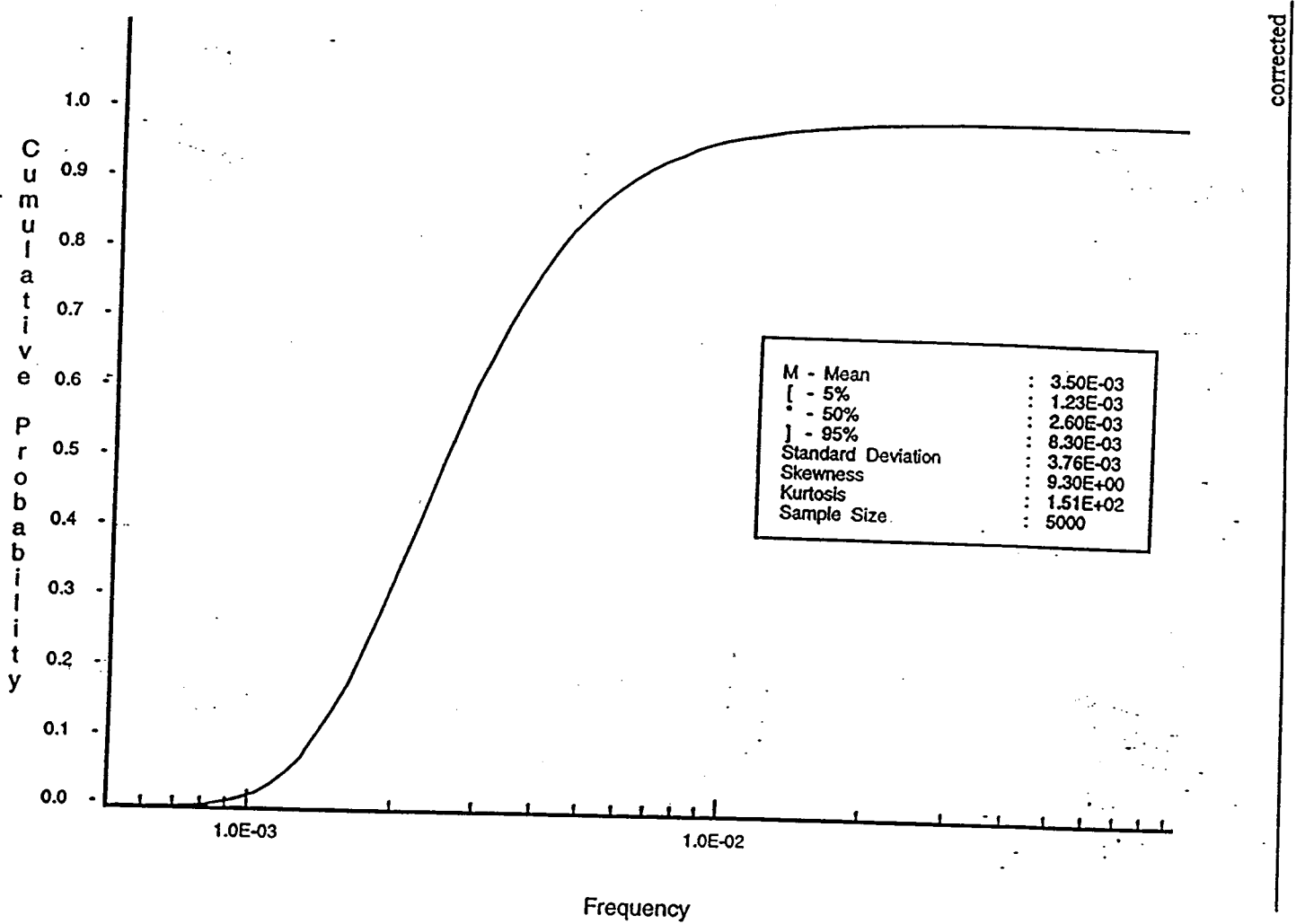


Figure 5.3-1 Uncertainty Analysis Summary For DBA LOCA, Injection Mode

## Uncertainty Analysis Summary

## Input Options

Filename	: C:\CAFTA\HPI\HR.CUT
Module Name	: HPR001
Sample Size	: 5000
Seed	: 2548465
Point Estimate	: 1.12E-02
Number of Modules	: 1
Total Cutsets In All Modules	: 58
Number of Basic Events	: 44
Number of Type Codes	: 9
Inputs Missing Distribution	: 3

## Moments

(With 95% Confidence)

	Low	Estimate	High
Mean	1.08E-02	1.12E-02	1.16E-02
Standard Deviation	1.37E-02	1.35E-02	1.32E-02
Skewness	-	7.98E+00	-
Kurtosis	-	1.46E+02	-

## Percentiles

(With 95% Confidence)

	Low	Estimate	High
Minimum	-	3.69E-04	-
2.5	1.41E-03	1.50E-03	1.58E-03
5.0	1.84E-03	1.97E-03	2.05E-03
10.0	2.46E-03	2.55E-03	2.67E-03
20.0	3.57E-03	3.69E-03	3.81E-03
25.0	4.08E-03	4.19E-03	4.34E-03
30.0	4.61E-03	4.72E-03	4.88E-03
40.0	5.83E-03	5.99E-03	6.22E-03
50.0	7.29E-03	7.57E-03	7.78E-03
60.0	9.08E-03	9.32E-03	9.60E-03
70.0	1.13E-02	1.17E-02	1.21E-02
75.0	1.28E-02	1.32E-02	1.38E-02
80.0	1.51E-02	1.56E-02	1.63E-02
90.0	2.20E-02	2.28E-02	2.37E-02
95.0	3.11E-02	3.28E-02	3.49E-02
97.5	4.19E-02	4.43E-02	4.97E-02
Maximum	-	3.42E-01	-

Figure 5.3-2 Uncertainty Analysis Summary For DBA LOCA, Recirculation Mode