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 AUTH. NAME AUTHOR AFFILIATION
 ALEXICH, M. P. Indiana & Michigan Electric Co.
 RECIP. NAME RECIPIENT AFFILIATION
 DENTON, H. R. Office of Nuclear Reactor Regulation, Director (post 851125)

SUBJECT: Forwards Vol 1 of "DCRDR - Summary Rept," Vol 2 of "DCRDR - App" & Vol 3, Books 1 & 2 of "DCRDR - CLO/HED Descriptions & Assessments," per 840928 ltr & NRC 850712 modified confirming order.

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INDIANA & MICHIGAN ELECTRIC COMPANY

P.O. BOX 16631
COLUMBUS, OHIO 43216

December 30, 1986

AEP:NRC:0773V

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74
DETAILED CONTROL ROOM DESIGN REVIEW SUMMARY REPORT

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Denton:

The purpose of this letter is to transmit the D. C. Cook Nuclear Plant Units 1 and 2 Detailed Control Room Design Review (DCRDR) Summary Report which includes our corrective action plan and a proposed schedule for implementation. This report is submitted in accordance with our letter AEP:NRC:0773I, dated September 28, 1984, and the subsequent U.S. Nuclear Regulatory Commission Modified Confirming Order dated July 12, 1985.

In our September 28, 1984 letter we also committed to providing semi-annual DCRDR status reports until submittal of this Summary Report. In the final semi-annual status report, dated September 30, 1986, we indicated that work was continuing on control room enhancements. We believe the enhancements we have already implemented, and those we intend to implement during 1987, are noteworthy--particularly in light of the considerable effort required in applying the NUREG-0700 guidelines to the all-vertical main control panels and the unique annunciator system at the Cook Plant. Volume 1, Section 6.0, pages 6-1 through 6-3 of the attached summary report provide descriptions, and Table 6.1 provides the updated status of these enhancement tasks. There are thirty-one tasks listed in Table 6.1; twelve are completed; seven are well under way and planned for completion in the first quarter of 1987; four are planned for completion during the next refueling outage for each unit; and the remaining eight long-term tasks are planned for completion by the end of 1987.

The corrective action plan does not include the Safety Parameter Display System (SPDS). The SPDS was implemented on March 31 of this year. The SPDS was reviewed but we did not have time to complete an assessment and determine corrective actions, if necessary, for inclusion in this report. As verbally requested, the SPDS has been reviewed and the preliminary evaluation of the documented departures from guidelines has been included in the summary report (refer to volume 1, page 7-2). The SPDS assessment and corrective action planning activities are planned for late 1987.

8701070345 861230
PDR ADOCK 05000315
PDR

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Dent*


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1/1*

The overall corrective action plan, outlined in the attached DCRDR Summary Report, augments and enhances the inherent advantages of our U-shaped/vertical board control room design. Substantial control room operator input and feedback was incorporated into the various corrective action designs. We believe the overall implementation schedule shown in Table 6.1 and Table 6.2 corrects the highest-priority human factor problems in the most expedited manner practical within the constraints of our current outage schedules and other ongoing work.

Please note that major modifications requiring unit outages are scheduled to begin in approximately April 1987. In this light, we respectfully request that you conduct your review taking into account the time schedule outlined in NUREG-0737, Supplement 1. A timely review will enable us to resolve issues that may arise, prior to starting our major modification program.

This document has been prepared following Corporate procedures which incorporate a reasonable set of controls to insure its accuracy and completeness prior to signature by the undersigned.

Very truly yours,


M. P. Alexich
Vice President

GRS
12/29/86

cc: John E. Dolan
W. G. Smith, Jr. - Bridgman
R. C. Callen
G. Bruchmann
G. Charnoff
NRC Resident Inspector - Bridgman (w/ attachment)
J. G. Keppler - Region III (w/ attachment)

8701070345

CLO/HED# 7.1-1

Criterion # 6.7.1.7

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

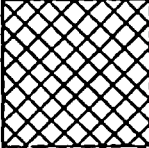
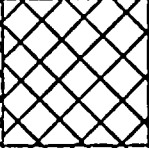

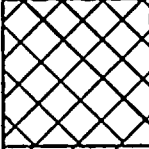
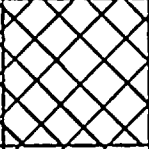
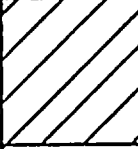
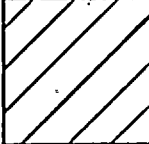


Low

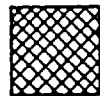
High

Medium

Low

Potential For Error

	High	Medium	Low
High			
Medium			
Low			



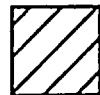
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

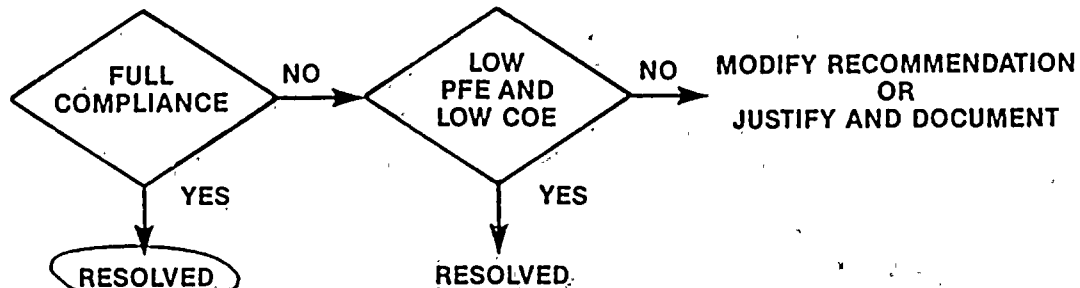
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION The P-250 Process Computer
plans call for replacement within 5 years. When
replaced, all applicable guidelines will be considered
including increased rapidity of responses.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/18/85DATE 1/18/86



ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

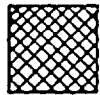
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV



CLO/HED# 7.1-2.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

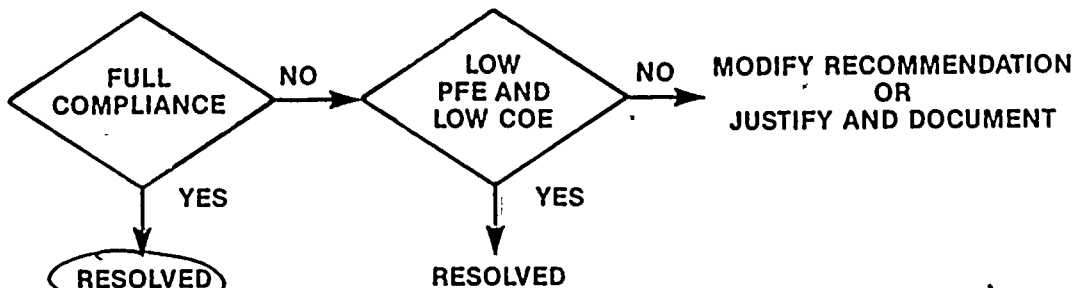
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Printers have been changed, are now high speed with print balls. Instructions for other expendables will be provided (see HED# 7.1-19).

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 1/18/86



CLO/HED# 7.1-3

6-7.1.7a

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

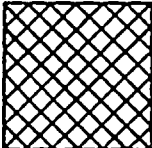
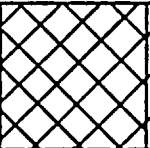

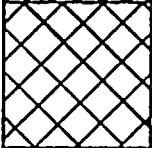
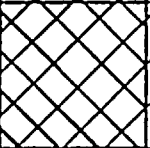

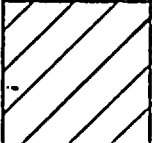


LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II

CLO/HED# 7.1-3

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

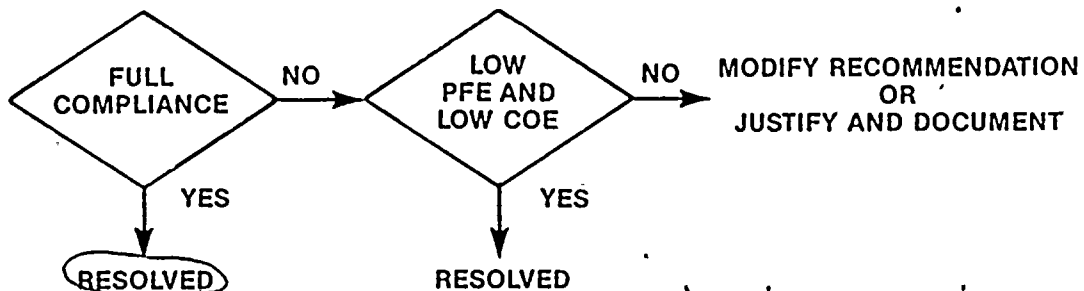
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION Present plans are to
replace RMS CRTs in 1987

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER _____

DATE 10/1/86DATE 1/1/86



CLO/HED# 7.1-4

6.7.1.4

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

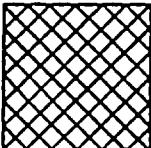
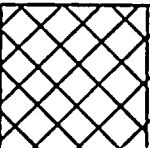

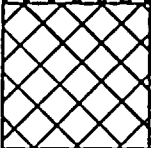
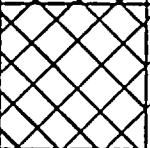


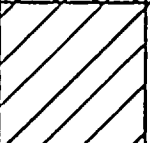

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 7.1-4

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

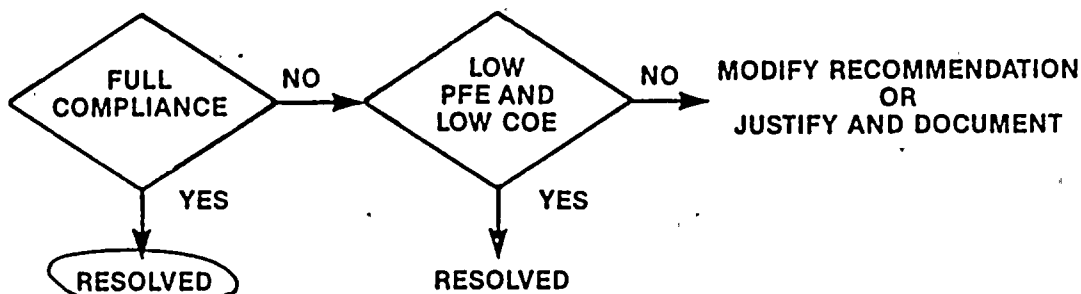
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	YES	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION The P-250 Process Computer
plans call for replacement within 5 years when
replaced, all applicable guidelines will be considered
including speed + feed back from key board entries.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/18/85
AEPSC PROGRAM LEAD ENGINEER RAS DATE 1/18/86

CLO/HED# 7.1-5

6.7.3.2 F (1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

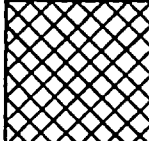
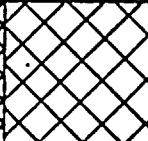

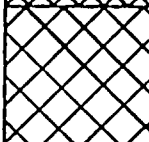
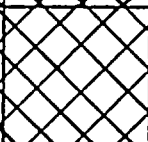

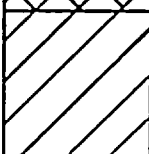
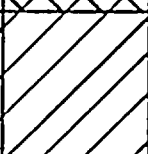

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

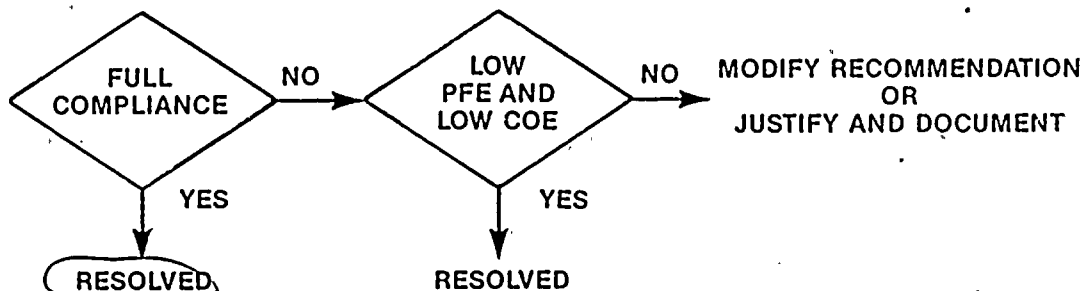
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Alarm message wording is to be considered during computer replacement, to be scheduled with 5 years. It is not feasible to modify messages on present system due to limited memory capacity of P250.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/1/86DATE 1/1/86



CLO/HED# 7.1-6

6.7.1.2a

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

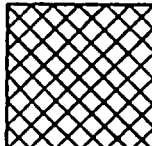
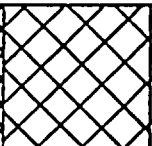
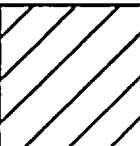
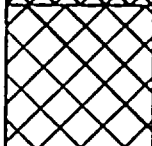
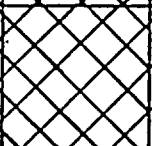
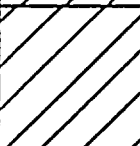
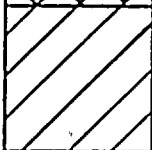
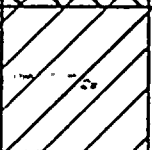

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 7.1-6.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

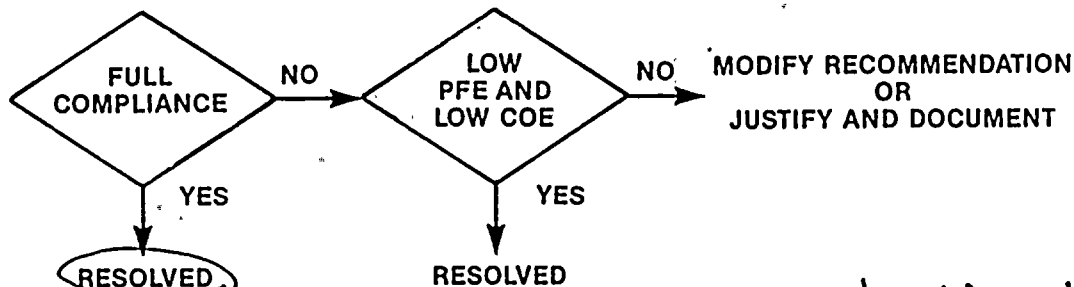
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Reference materials will
be reviewed for improvements.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 11/26/85

DATE 1/18/86



CLO/HED# 7.1-7

6.7.18

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

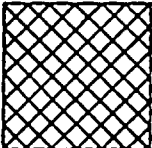
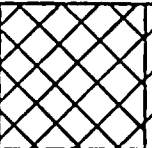

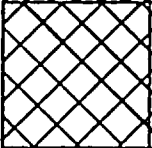
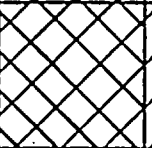

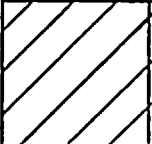
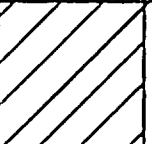

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

CLO/HED# 2.1-7

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

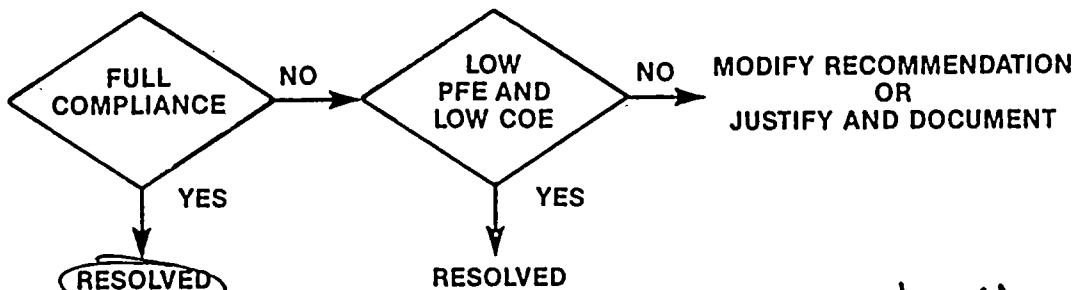
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

References materials will be reviewed for improvements

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/26/85DATE 11/18/86

CLO/HED# 7.1-8

6.7.2.5 k(1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

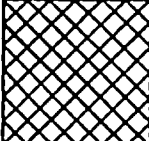
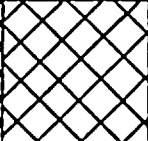
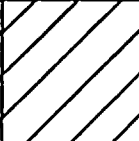

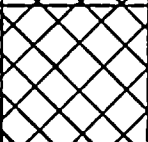

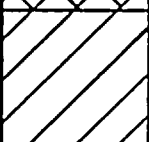
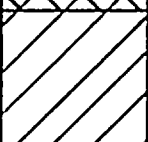

LOW

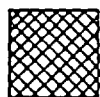
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



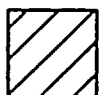
Category I --

High priority; corrective action should be taken.



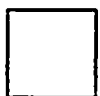
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

CLO/HED# 7.1-8

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

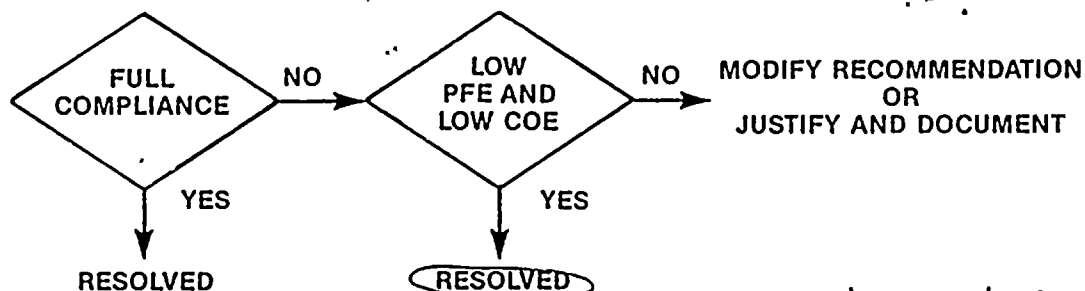
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Audible alarm is not essential because computer is mainly a duplicate or back up to alarms that are on the annunciators or sequence of events recorder. All essential alarms are on the annun. system (1500 dops). Plant will investigate permanently disabling audible computer alarm, since some plant setpoints have changed and the P250 has limited capability to accept changes.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

DATE 10/1/86

AEPSC PROGRAM LEAD ENGINEER _____

DATE 11/1/86

CLO/HED# 7.1-9

Criterion # 6.7.2.1 a, b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

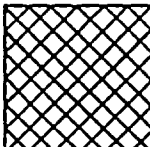
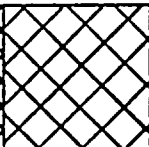
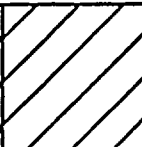
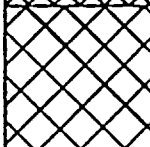
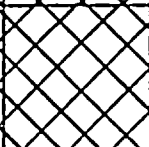
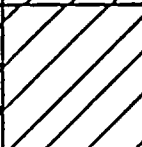
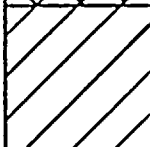
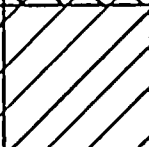
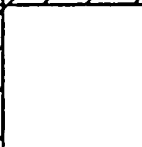
LOW

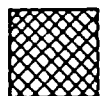
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



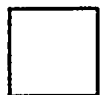
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# 7.1-9

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

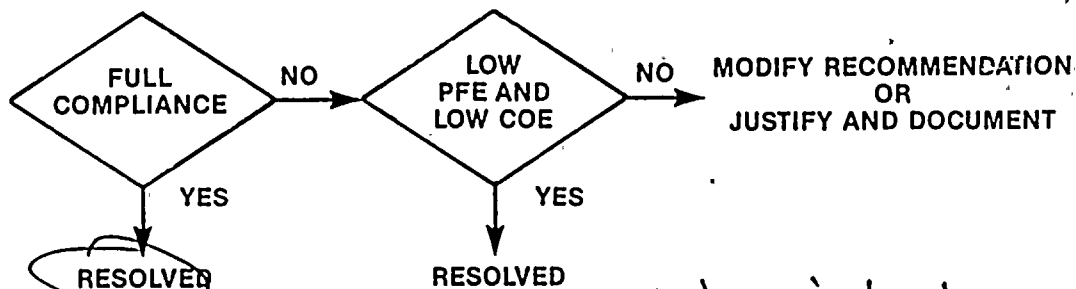
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION CR lighting is to be
modified per HED# 1.5-2 to reduce glare,
this should also reduce glare on the CRTs.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE

11/26/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

11/18/86



CLO/HED# 7.1 -10

Criterion # 6.7.2.1. h

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

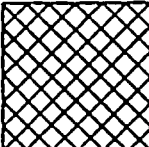
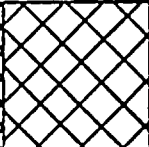
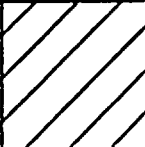
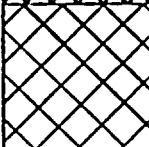
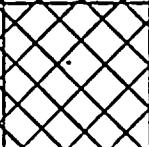
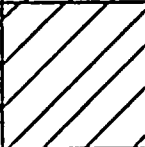
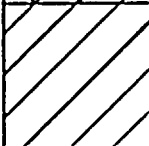
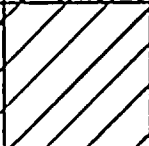

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

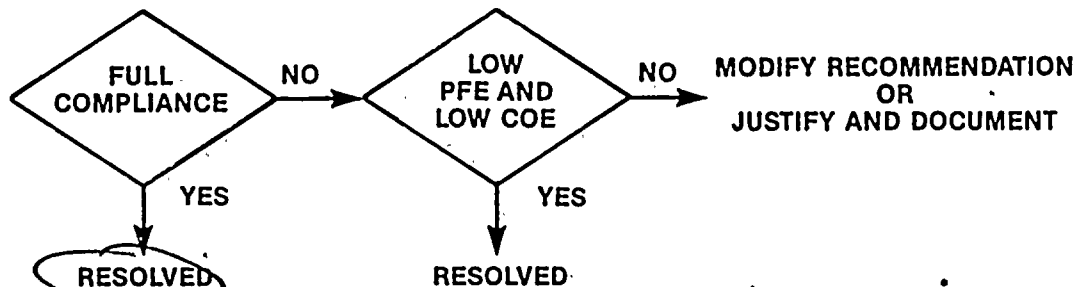
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Engineering review is in progress to replace equipment for 1987.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/26/85

DATE 11/24/86

CLO/HED# 7.1-11

6.7.2.4k

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

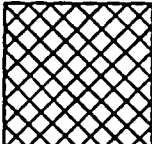
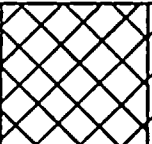


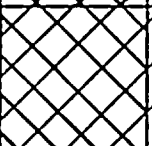

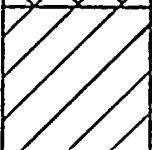
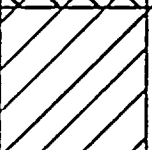

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 7.1-11

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

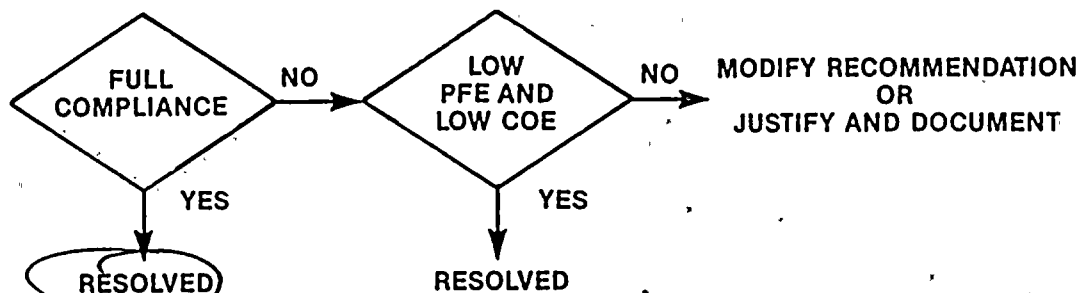
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Engineering review for
equipment replacement is underway for 1987.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/26/85DATE 1/18/86

CLO/HED# 7.1-12

6.7.2.4L

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

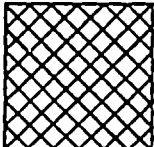
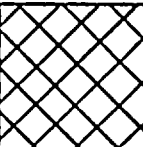
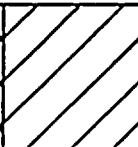
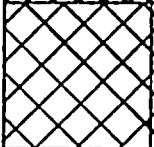


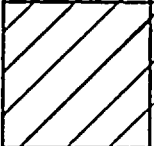


LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 7.1-12.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

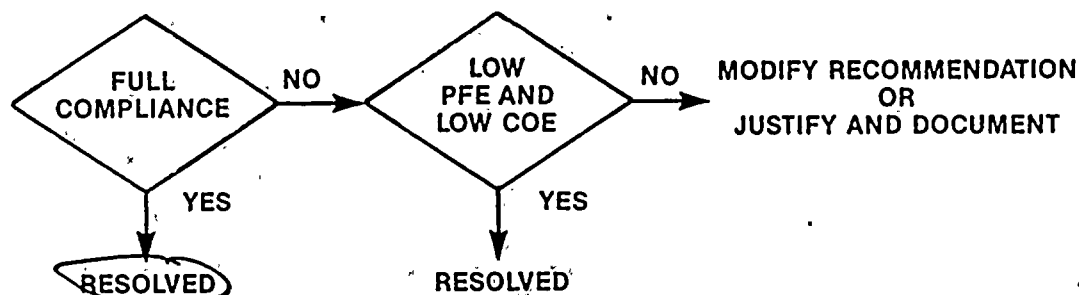
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION Engineering review for equipment replacement is underway for 1987.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 11/26/85AEPSC PROGRAM LEAD ENGINEER [Signature]DATE 11/18/86



6.7.2.6g

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

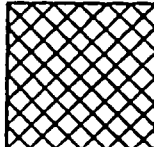
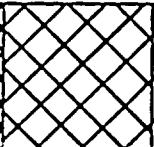
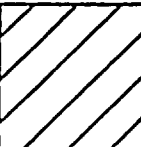
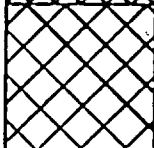
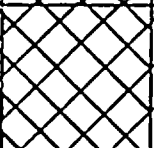

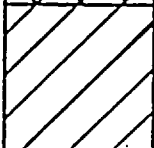
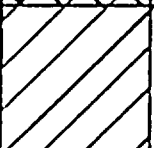

LOW

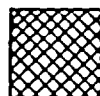
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



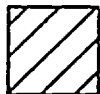
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

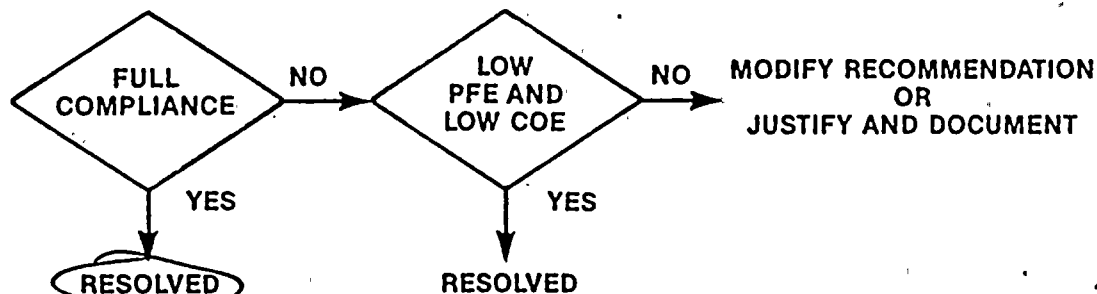
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Engineering review for equipment replacement is underway for 1987.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE

11/26/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

11/18/86



CLO/HED# 7.1-14

Criterion#: 6.7.2.6 L

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

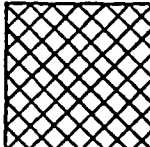
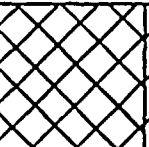

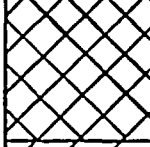
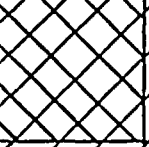




LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

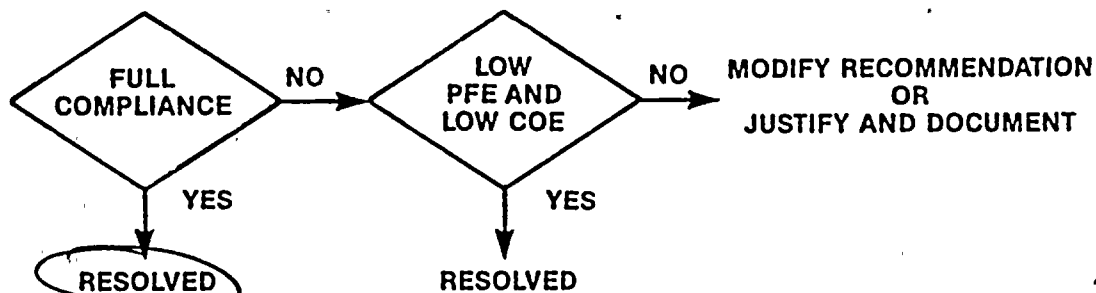
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Engineering review for equipment replacement is underway for 1987.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

11/26/8511/24/86



CLO/HED# 7.1-15

6.7.2.7 K(1)

6.7.2.7 L

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

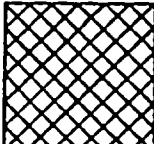
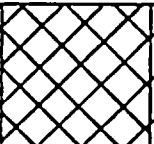
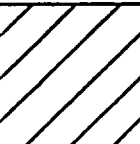
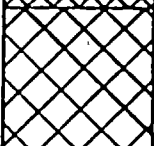
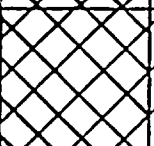
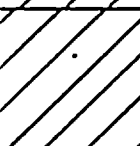
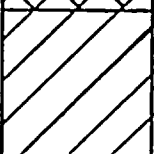
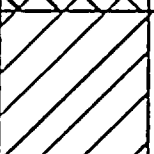

LOW

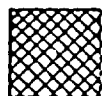
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



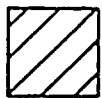
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

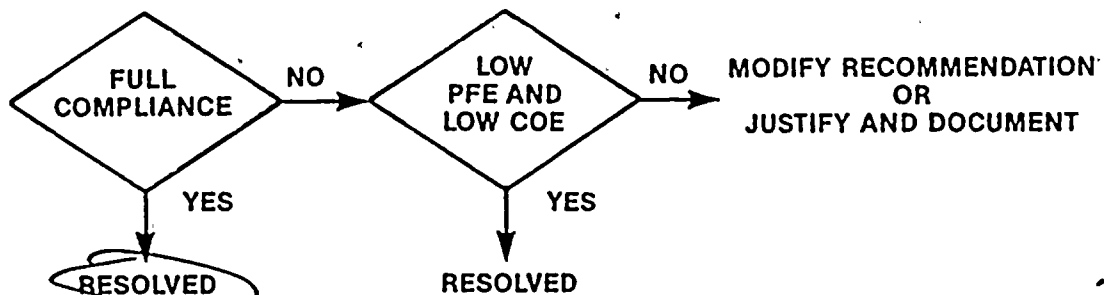
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Engineering review for equipment replacement is underway for 1987.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/26/85DATE 11/18/86

6.5.16 d (2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

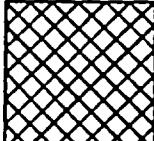
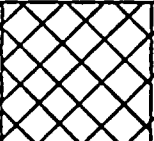
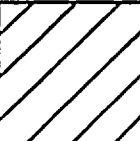

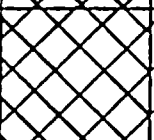

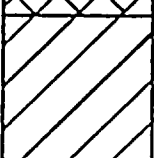
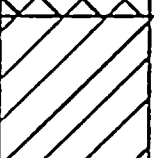

LOW

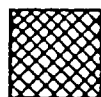
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



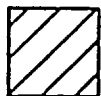
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

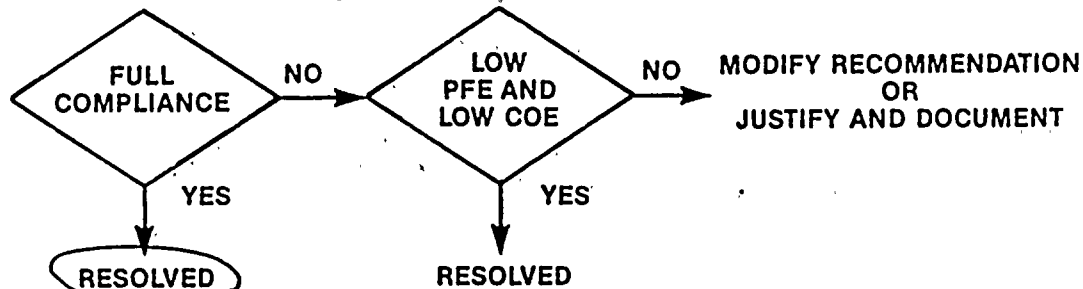
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION The P-250 Process Computer plans call for replacement within 5 years. When replaced, all applicable guidelines will be considered, including color coding of indicator lights and pushbuttons on the console as well as in displays (if color is used in displays).

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 11/18/85AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/18/86

6.7.1.1a

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

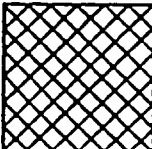
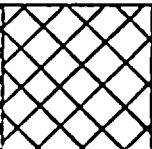
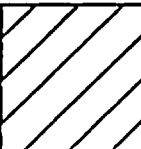
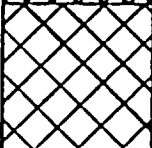
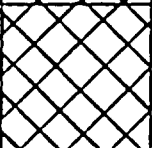
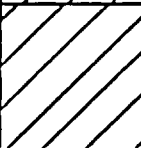
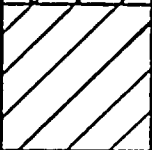
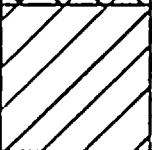

LOW

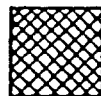
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



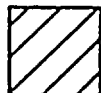
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

CLO/HED# 7.1-17

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED ☒ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

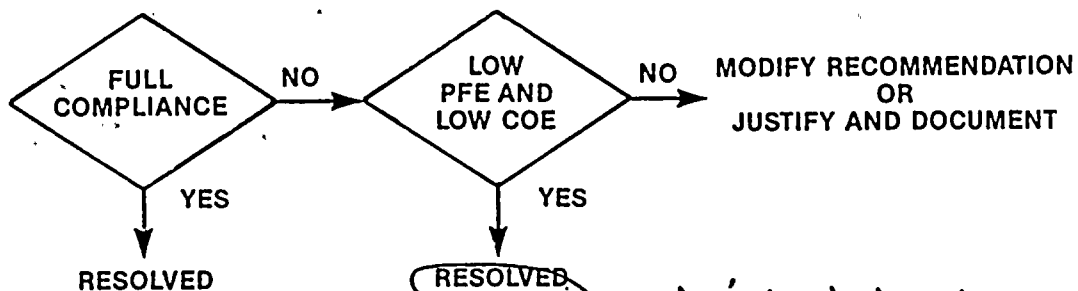
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

To prevent inadvertent software changes, operator training will be improved. Computer group has back up software, so it can be replaced if deleted from P-250.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/26/85

DATE 11/18/86

CLO/HED# 7.1-18

6.7.3.16(1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

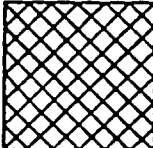
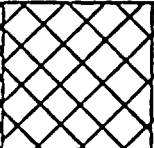

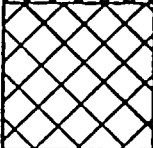
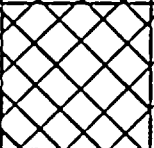

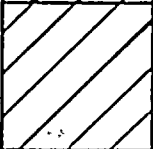
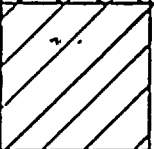

Low

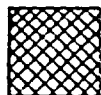
Potential For Error

High

Medium

Low

High			
Medium			
Low			



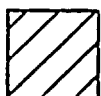
Category I --

High priority; corrective action should be taken.



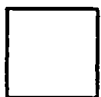
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 7.1-18

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

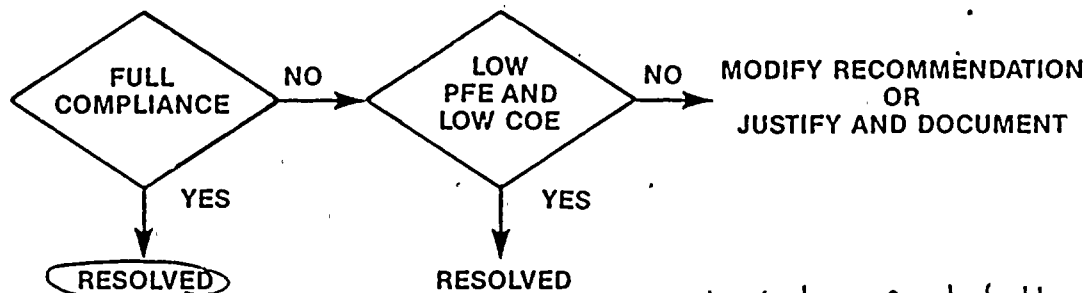
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

The feasibility of installing hard copy capability has been investigated and plans call for hard copy capability in 1987 replacement.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSO PROGRAM LEAD ENGINEER

DATE 10/1/86

DATE 1/1/88



CLO/HED# 7.1-19

Criterion #: 6.7.3.1 e(3)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

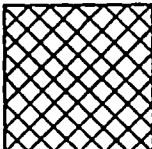
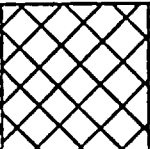
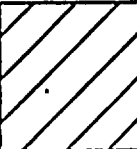
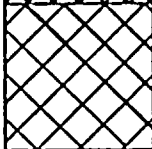
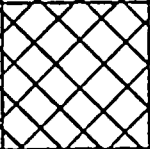




LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

CLO/HED# 7.1-19

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

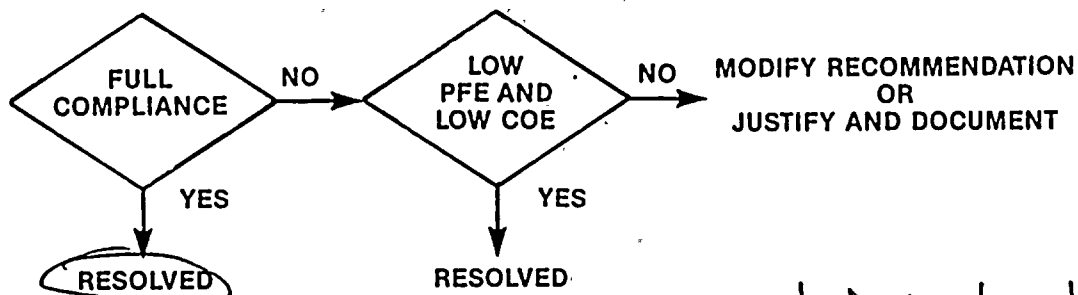
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

As suggested instructions
will be provided for replacing computer
printer expensables. See HEI # 7.1-2 also.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/26/85

DATE 11/18/86



CLO/HED# 7.1-20

Criterion # 6.7.1.8 b (1)
6.7.1.8 c & d

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

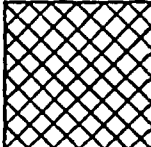
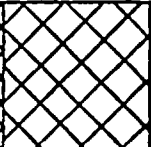
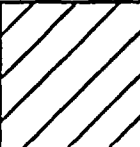

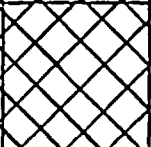

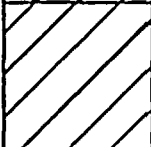
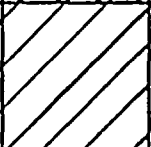

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 7.1-20.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

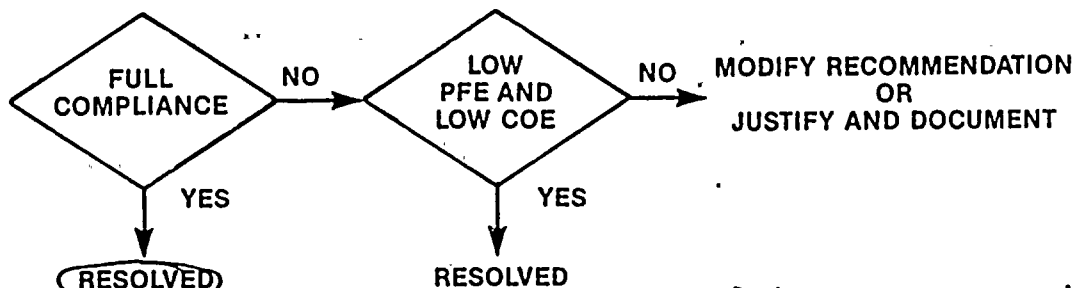
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

A cross index of frequently used and rapidly needed parameters will be provided in a condensed form.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 11/26/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 11/18/86



CLO/HED# 7.1-21

6.7.3.14 (4)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

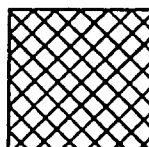
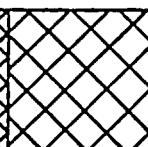

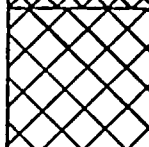
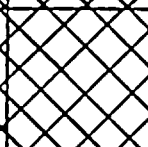
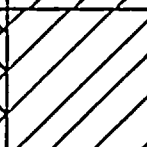
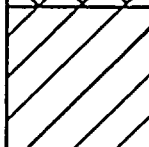
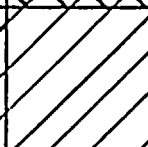

Low

Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# 7.1-21

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

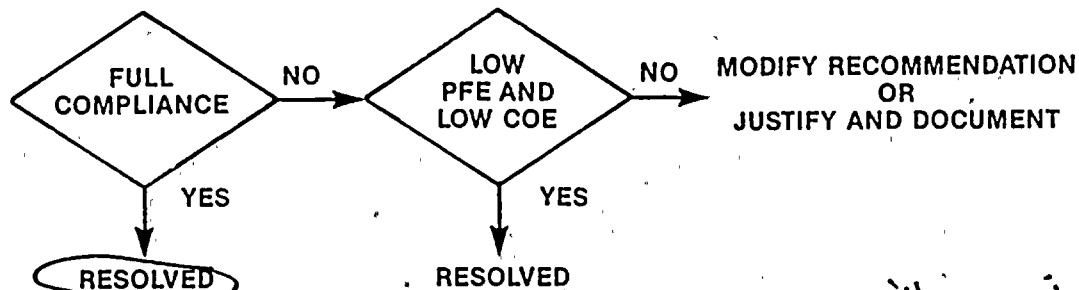
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Cover cleaning will be included in general CR and recorder cleaning program which is currently in force. Printer covers are not used for storage, the occasional book is easily removed.

SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. RossDATE 11/6/85

AEPSC PROGRAM LEAD ENGINEER

RASDATE 11/18/86

CLO/HED# 7.1-22

6.7.3.2 a (2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

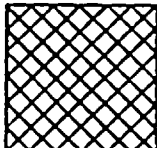
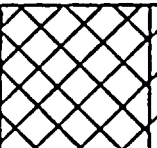

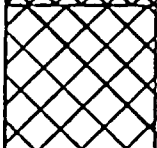
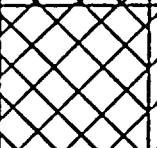

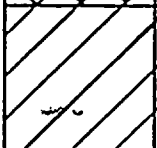
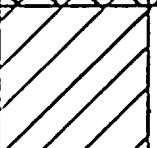

LOW

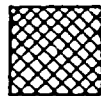
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



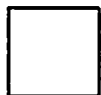
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

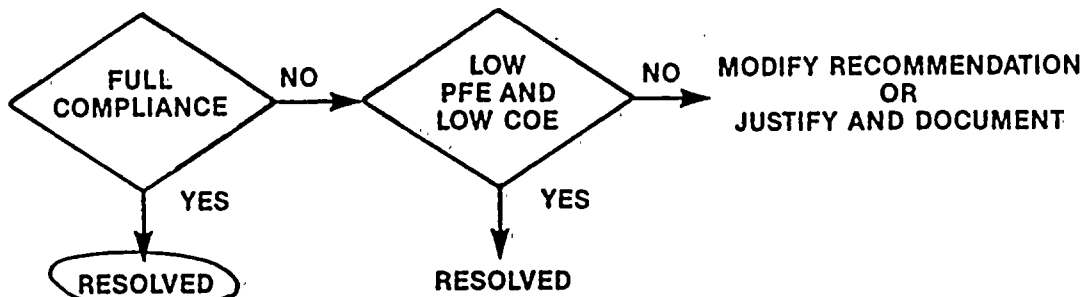
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION The P-250 Process Computer plans call for replacement within 5 years. When replaced, all applicable guidelines will be considered. Plant also has a dedicated trip sequence recorder. The present P-250 is used to duplicate and complement many of the trip sequence recorder functions. However, in upgrade, provision for print out of alarms will be considered.

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/18/85DATE 11/18/86



CLO/HED# 7.1-23

Criterion# 6.7.3.2 c

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

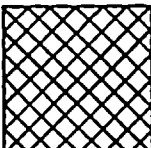
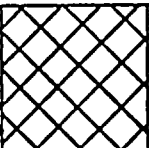
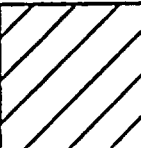
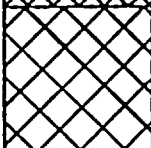
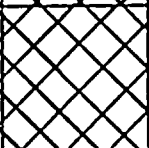
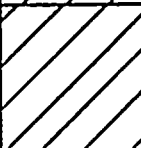
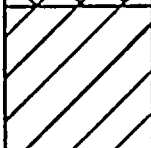
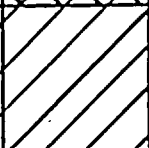

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 7.1-23

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

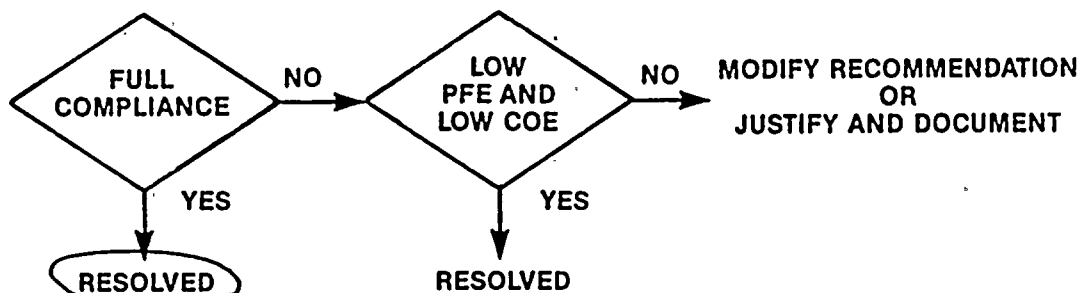
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION The P-250 Process Computer
plans call for replacement within 5 years. When
replaced, all applicable guidelines will be considered
including provisions for computer printouts by alarm groups.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/18/85DATE 11/18/86

CLO/HED# 7.1-24

Criterion# 6.7.3.3 d2

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

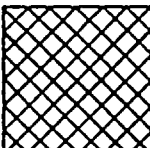
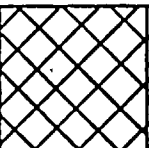

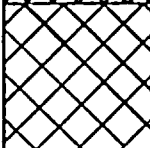
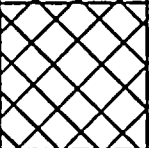

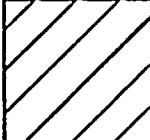


LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

CLO/HED# 7.1-24.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

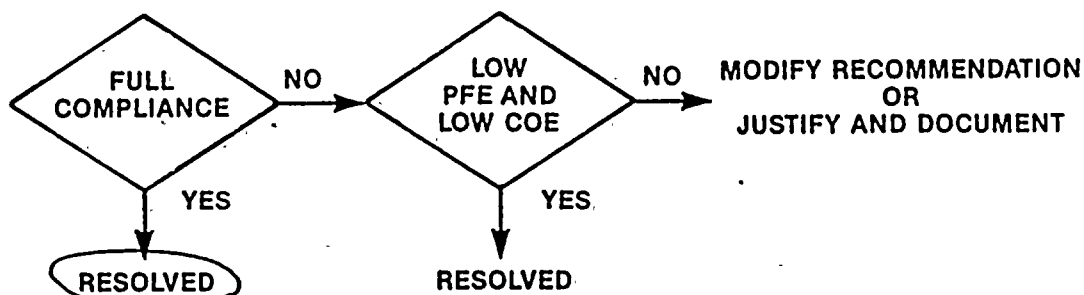
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION The P-250 Process Computer
plans call for replacement within 5 years when
replaced, all applicable guidelines will be considered
including separating printout columns into groups of five.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER _____

DATE 11/18/86

CLO/HED# 7.1-25

Criterion# 6.7.1.3 d

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

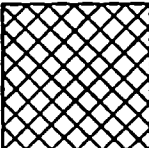
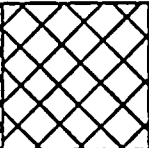
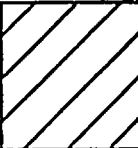
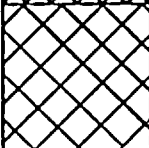
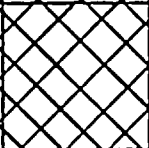



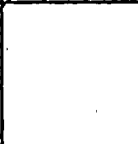
LOW

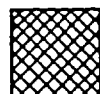
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



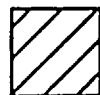
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# 7.1-25.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY

☐ FURTHER REVIEW BY

☐ FURTHER REVIEW BY

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

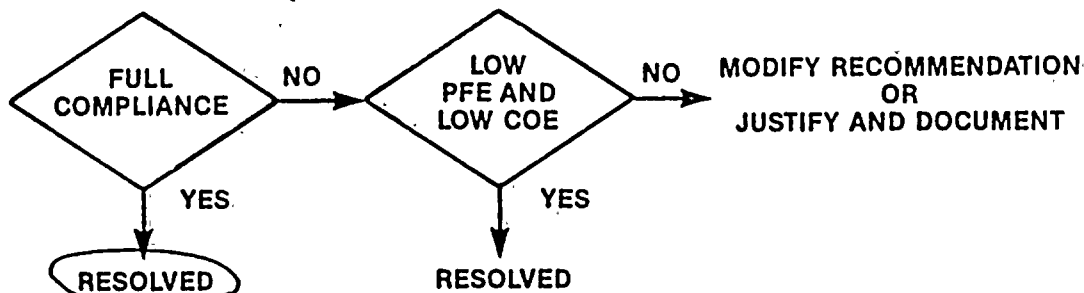
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION The P-250 Process Computer
plans call for replacement within 5 years. When
replaced, all applicable guidelines will be considered
including correction of individual keystroke without effecting valid entries.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 11/18/85

AEPSC PROGRAM LEAD ENGINEER

[Signature]

DATE 11/18/86

CLO/HED# 7.1 -26

Criterion 6.7.1.5d (5)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

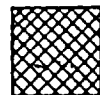
Low

Potential For Error

High

Medium

Low



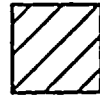
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

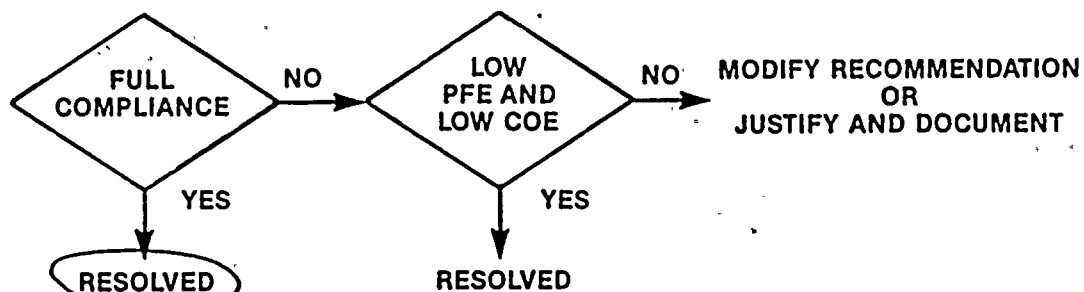
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION The P-250 Process Computer plans call for replacement within 5 years. When replaced, all applicable guidelines will be considered including separate keys for numerical entry v.s. special functions.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 11/18/85
 AEPSC PROGRAM LEAD ENGINEER RFS DATE 11/18/86

CLO/HED# 7.1-27

6.7.1.2 c (3)
6.7.3.1c

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

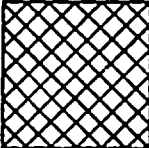
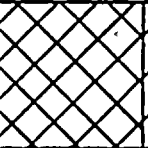

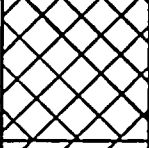
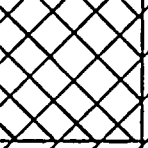




CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I ..

High priority; corrective action should be taken.



Category II ..

Medium priority; corrective action is highly recommended.



Category III ..

Low priority; corrective action is recommended.



Category IV ..

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 7.1-27.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

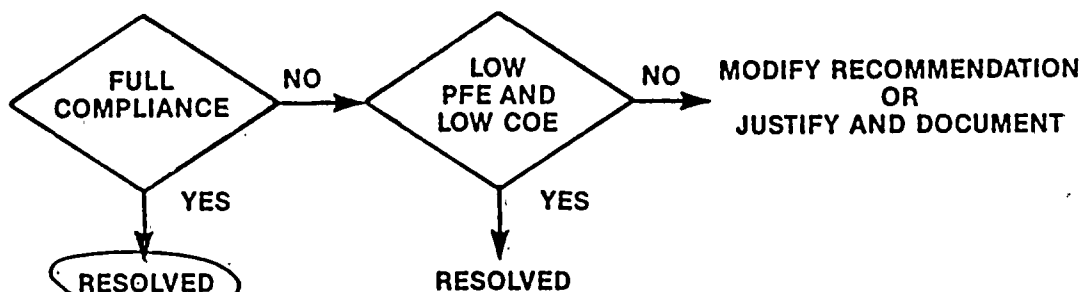
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION The P-250 Process Computer
plans call for replacement within 5 years. When
replaced, all applicable guidelines will be considered
including those restricting use of abbreviations and contractions

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

DATE 11/18/85AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/18/86

CLO/HED# 7.1-28

6.7.1.4h

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

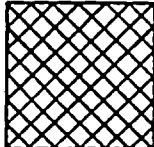
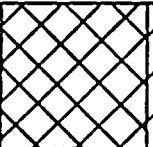

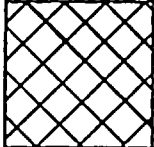
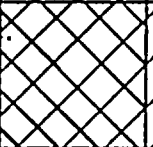


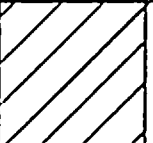

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

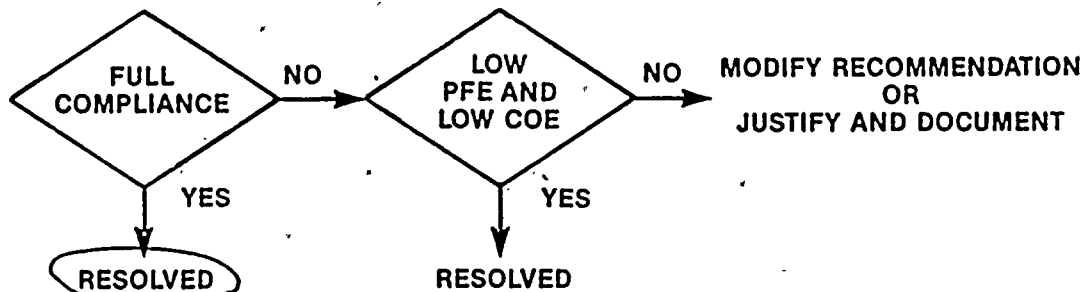
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION The P-250 Process Computer plans call for replacement within 5 years. When replaced, all applicable guidelines will be considered including the addition of a CRT for visual feedback of keystrokes.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/18/85DATE 11/18/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

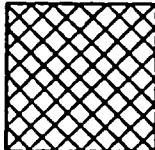
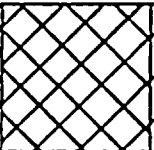

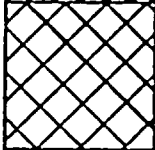
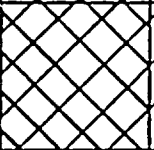




LOW

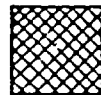
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV

CLO/HED# 7.1-29

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

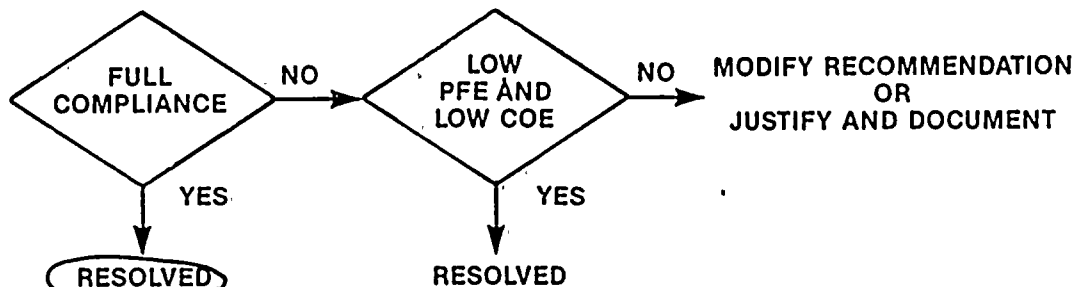
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Print-out section shown on HED is anomaly. The trend & lag are shown on the same print-out. This only happens if one printer fails which is a rare occurrence. However readability & clarity of displays will be considered when P-250 is due for replacement.

SIGNOFF

H.F. CONSULTANT (ESSEX)

T. Vora

DATE

11/26/85

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

11/18/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

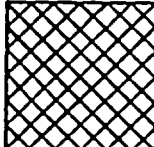
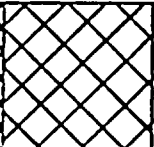
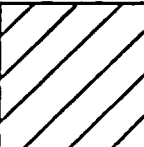
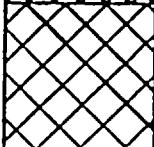
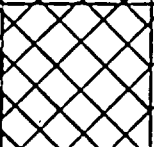

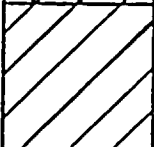
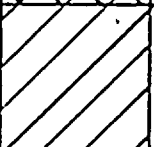

LOW

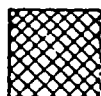
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

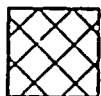
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



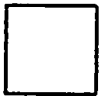
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

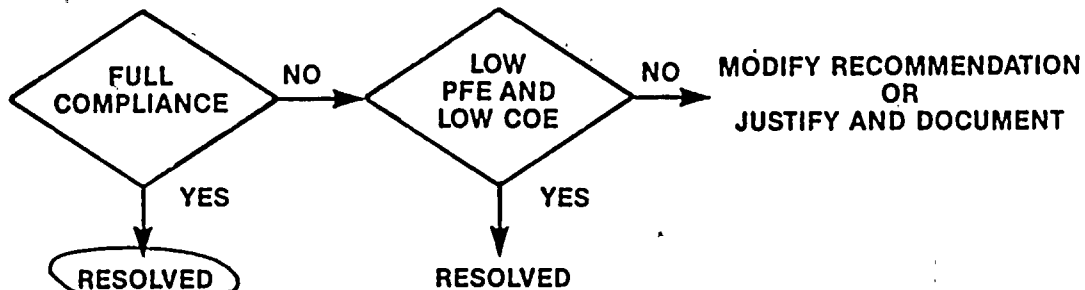
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION The P-250 Process Computer plans call for replacement within 5 years. When replaced, all applicable guidelines will be considered including keyboard design. However, keys not used by operators on present P-250 are used by the computer specialists.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 11/18/85DATE 11/18/86

CLO/HED# 7.1-31

Criterion# 6.7.1.3 a,b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

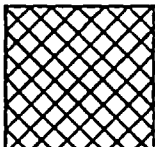
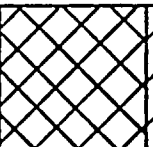


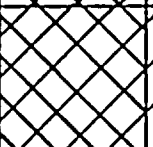

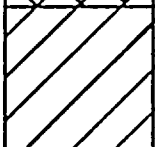
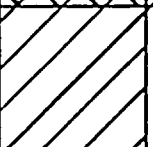

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

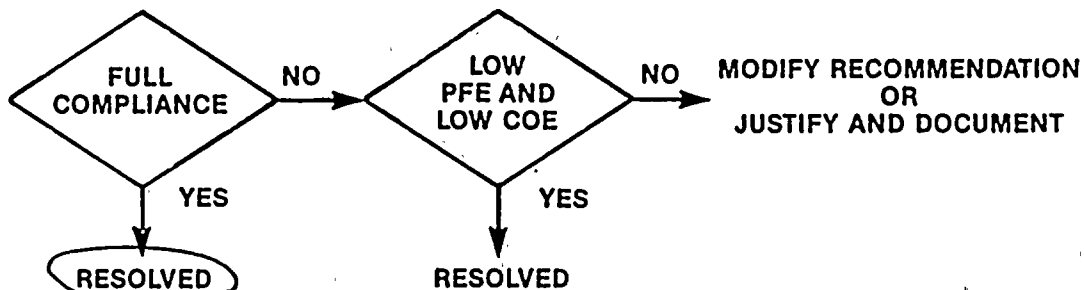
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION The P-250 Process Computer
plans call for replacement within 5 years when
replaced, all applicable guidelines will be considered
including those regarding prompting features.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

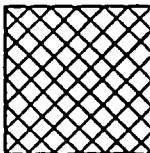
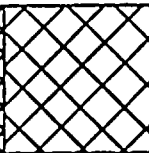
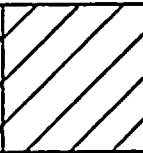
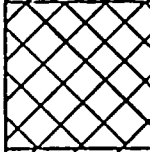
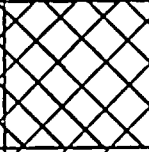




DATE 11/18/85DATE 11/18/86

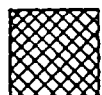
CLO/HED# 8.1-1

Citation #: 6.8.1.3.d.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW
CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



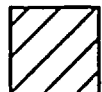
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

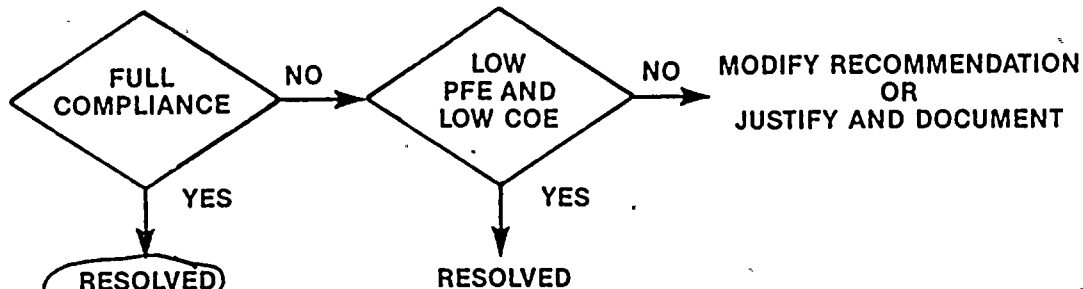
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION The Part Length Red Stop is no longer used and is being considered for removal. For the rest of the items listed consistent and distinctive enhancements will be applied as needed.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 1/3/86AEPSC PROGRAM LEAD ENGINEER RFSDATE 1/18/86

CLO/HED# 8.1-2

Comment: 6.8.2.3.a, b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

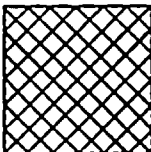
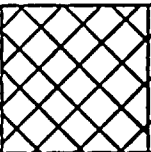

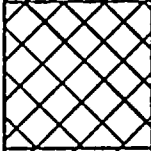
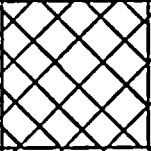
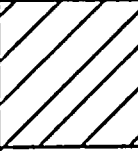
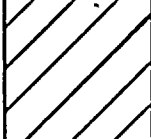


LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

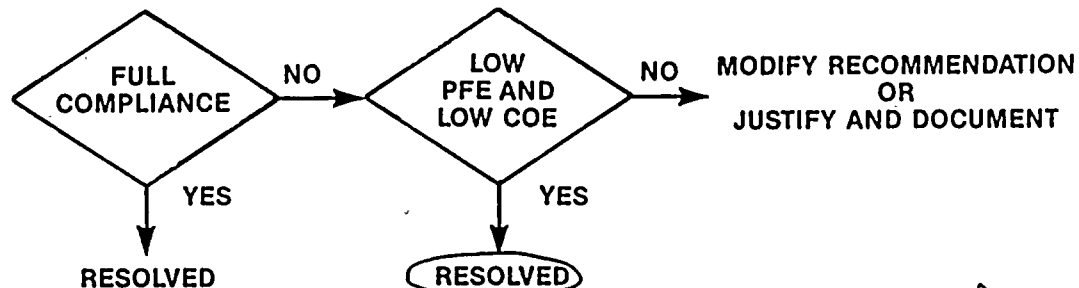
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION The layout of the FLX panel is not confusing, two different types of switches are used and operators are well trained in the layout. FFC equipment is supplied by manufacturer in one box, so it is not feasible to rearrange. (go to next page)

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 10/2/86AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/24/86

EXPLANATION OR JUSTIFICATION (CONTINUED)

IRV-311 & 300 on RHR panel are not mirror imaged, they have different functions.

Indicators on RHR panel are being considered for rearrangement, especially IFI-310, 311, 320, and 321.

An engineering review of the selectors on the SG panel will be undertaken particularly in terms of rewiring & relabeling switches. 9/30/86 - Selector switches have been rewired. JJ

The remainder of the components listed were reviewed for criticality of use and as to whether layout would be misleading. It is felt that no further changes are needed.

CLO/HED# 8.1-3

64.3.3a

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

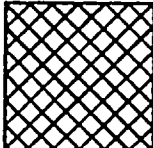
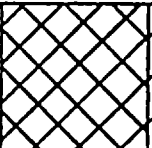

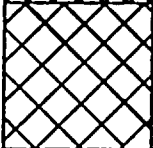
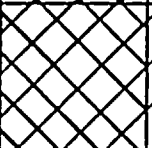

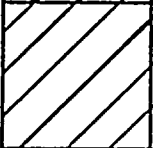
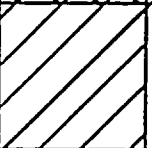

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 8.1-3.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO.

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

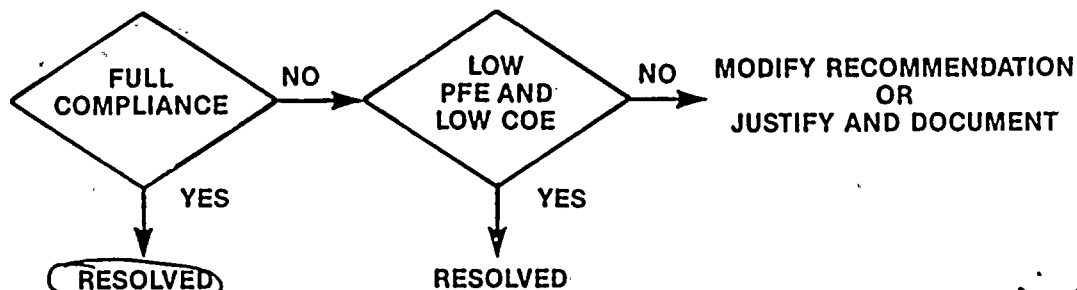
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION At D.C. Cook the functional labels identify whether lights are pushbuttons. Functional labels will be reviewed and modified to clarify if individual items have pushbutton functions.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER RFS

DATE

1/3/86

DATE

1/18/86

CLO/HED# 8.1-4

6.8.2.2 a

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

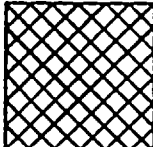
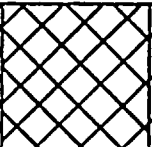

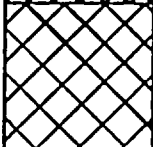
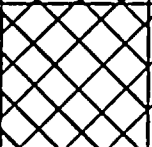

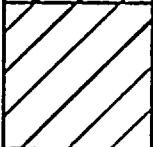
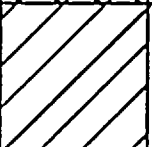

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

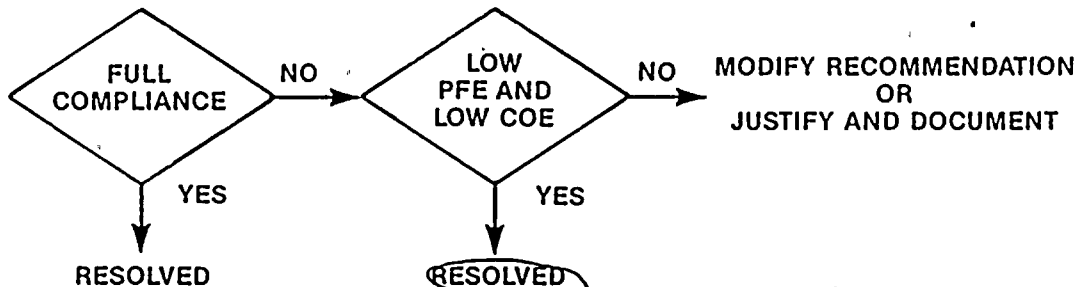
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION 1. Scaler Timer controls are easily understood, no change is needed.2. DRV-420 is on top, DRV-421 on bottom (correct).3. Vacuum Trip Test Condenser lights are arranged to match the physical layout in the plant in accordance with operator expectations.
(go to next page)

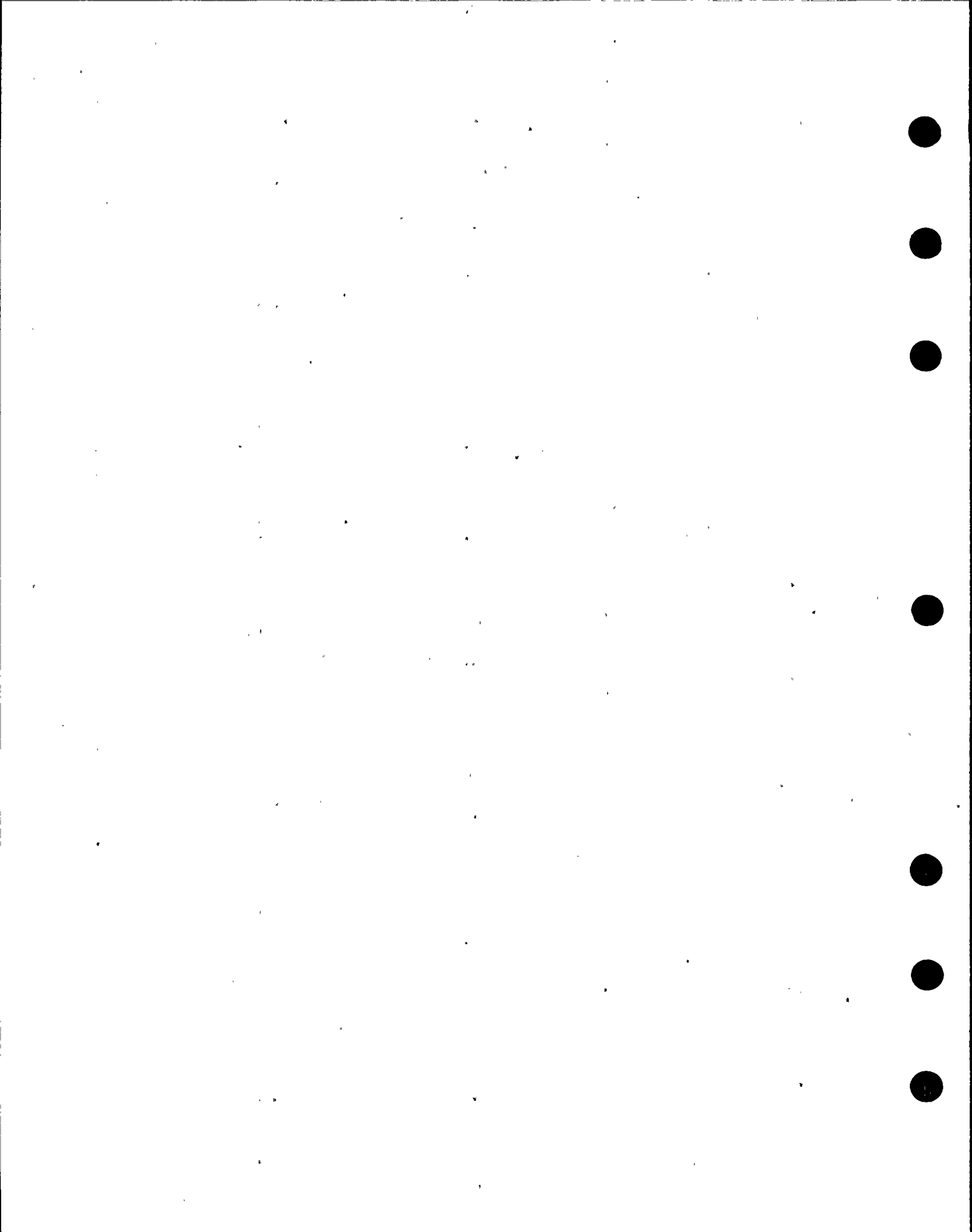
SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 1/3/86

DATE 1/18/86



EXPLANATION OR JUSTIFICATION (CONTINUED)

4. Arrangement of one color recorder pointer above the other is not misleading or confusing, no change needed
5. See comment #4.
6. The components most frequently used are located in the center area of panel (i.e. at mid-height) so they can be read more easily.
7. The selector switches on the SG panel have been rearranged as appropriate.
8. The APDMS is not used by operators and may be removed from the CR.
9. Indicator lights on backpanel for cable position and Insert/Withdraw are manufactured for this off-the-shelf equipment. It is not feasible to rearrange these.
10. The 4 controls on the SG panel will be reviewed for rearrangement as appropriate.
11. The 4 controls on the Hot Shut down panel will be reviewed for rearrangement as appropriate.
12. The switches on the VS panel are arranged in numerical order from top to bottom, no rearrangement is needed.
13. The recorders are arranged for comparison (4 quadrants) cross core. These are only backups to NR-45.
14. Number not used on HED
15. Same response as #12 above.

(go to next page)

EXPLANATION OR JUSTIFICATION (CONTINUED)

16. An engineering review was done to determine cost/benefit for rearranging switches for RTD selection and it is felt that no benefit would be derived from rearrangement.
17. Number not used on HED
18. An engineering review will determine rearrangement and/or relabeling probably to East/West as per functionally related components.
19. These 2 ventilation controls are arranged by electrical train. It is not feasible and would be misleading to rearrange them.
20. Impact recorder pens are correctly arranged according to function.
21. The arrangement of one color recorder pointer above the other is not misleading or confusing.
22. The steam dump valve lamps are laid out in logical order left to right and top to bottom by mark number.
23. The vibration meter and their associated indicator lights are laid in a similar and logical fashion. Both are top row, left to right and bottom row, left to right in numerical order.



CLO/HED# 8.1-5

Connection F: 6.8.3.2, C.1, 2

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW

Consequence Of Error

	High	Medium	Low
High			
Medium			
Low			

	Category I --	High priority; corrective action should be taken.
	Category II --	Medium priority; corrective action is highly recommended.
	Category III --	Low priority; corrective action is recommended.
	Category IV --	No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV

CLO/HED# 8.1-5

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

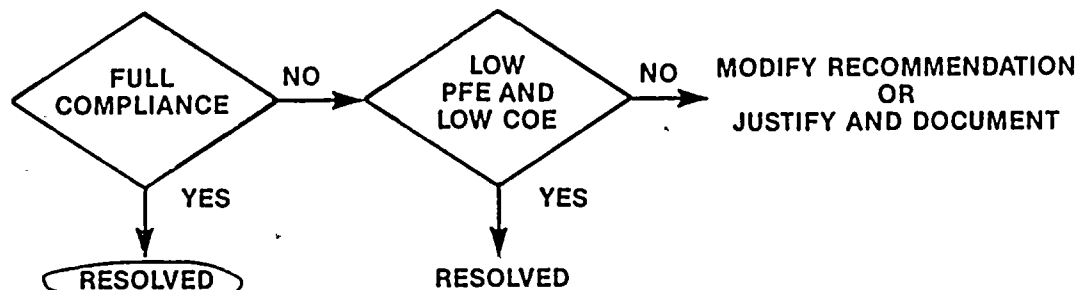
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Rowar columns of components
will be separated by demarcation where desirable
and appropriate.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

11/3/86

DATE

11/18/86



CLO/HED# 8.1-6

6.5.1.6 c (2)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

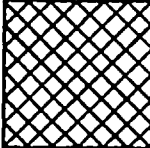
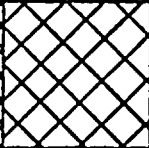
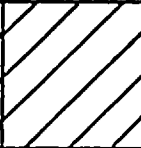
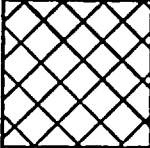


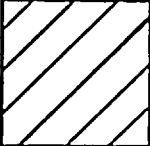


LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 8.1-6

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

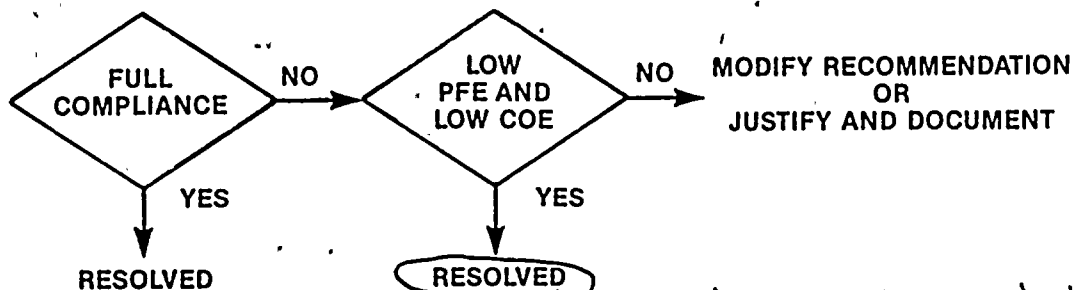
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Color coding in the CR will be reviewed and hardware changed where practical and necessary.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSO PROGRAM LEAD ENGINEER

DATE 11/3/86

DATE 11/1/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

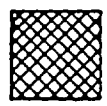
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

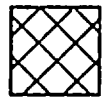
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



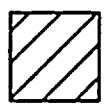
Category I --

High priority; corrective action should be taken.



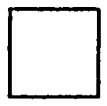
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV

CLO/HED# 8.1-7

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

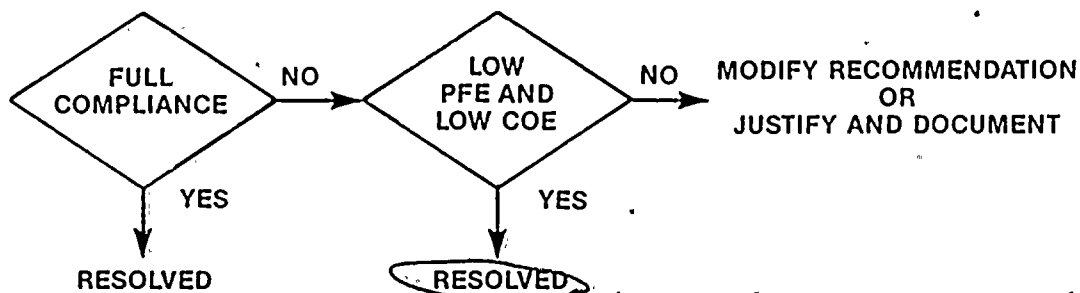
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION

To silence alarms the operator must press the individual alarm windows. The Reset and Test buttons are prominently and consistently located (coded by position) on each of the annunciator panels. Each is clearly labeled "RESET" or "TEST". Possibility of error is extremely low.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER

[Signature]DATE 1/18/86

CLO/HED# 8.1-8

6.5.1.6a

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

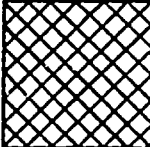
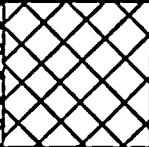
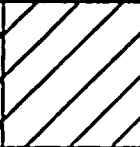
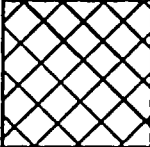
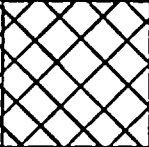

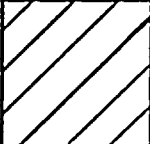
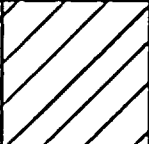
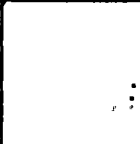
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 8.1-8

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

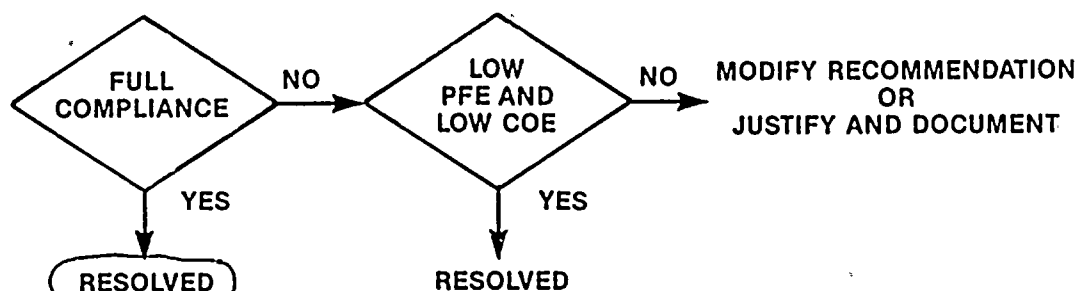
☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Color coding in the CR will
be reviewed and hardware modified where
practical and necessary.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 1/3/86DATE 11/8/86

CLO/HED# 8.1-9

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☒ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

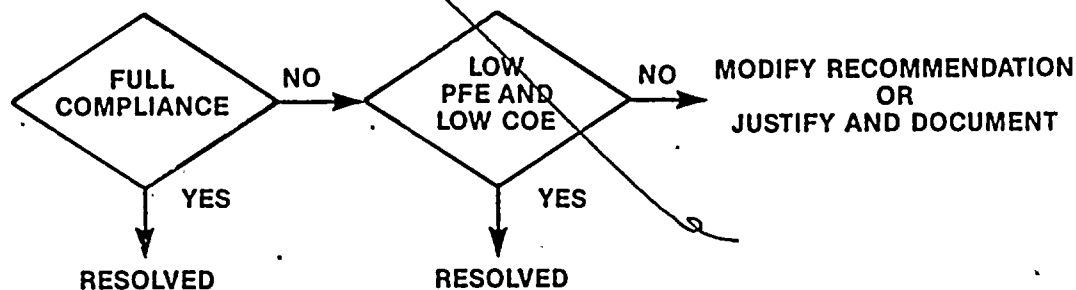
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION This CLO is redundant to 8.1-11.
Refer to 8.1-11 since it contains all pertinent information.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER RFSDATE 1/3/86DATE 1/1/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

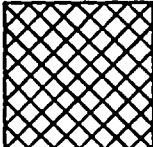
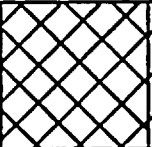

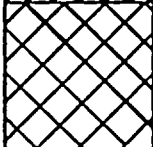


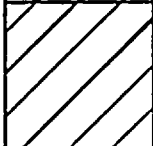
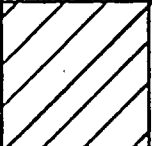

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

8.1-10

CLO/HED# 8.1-10.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

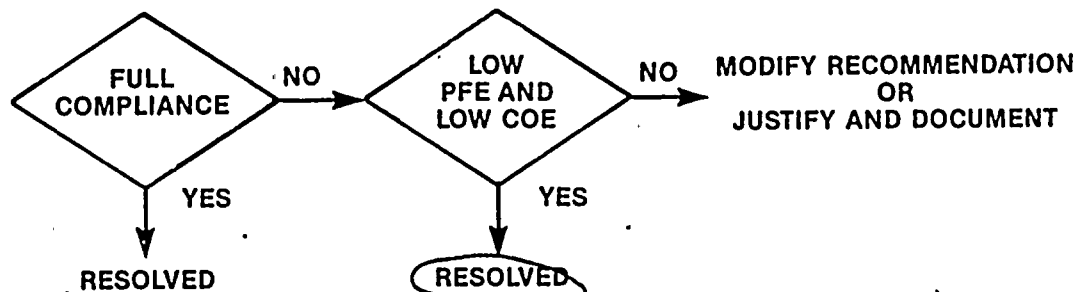
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Color coding in the CR
will be reviewed and hardware modified where
practical and necessary.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 1/3/86

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 1/1/86

CLO/HED# 8.1-11

6.5.1.6 (U)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

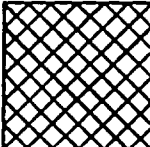
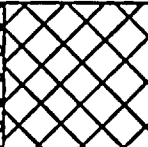
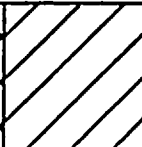
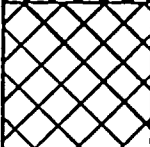
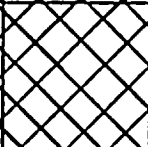


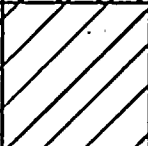

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

8.1-11

CLO/HED# 8.1-11

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

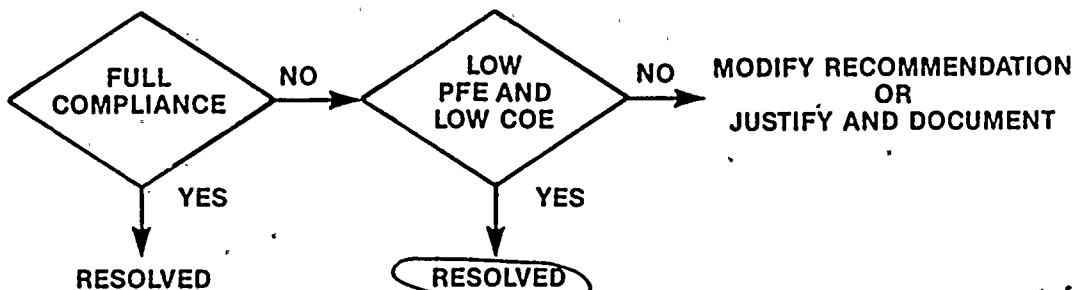
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

color coding in the CR will
be reviewed and hardware modified where
practical and necessary.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

1/3/86

1/17/86

CLO/HED#

8.1.12

Citation #: 6.6.3.3.a.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

Low

Potential For Error

High

Medium

Low



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

8.1.12

CLO/HED# 8.1-12

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

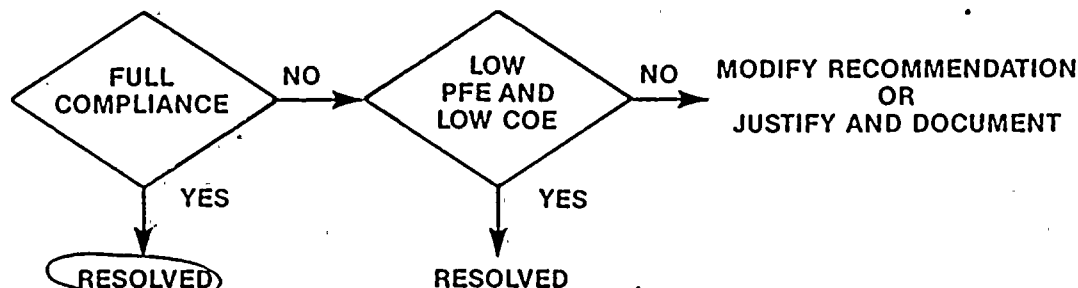
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

A list of standardized names, acronyms, abbreviations, and part/system numbers is available and controlled by AEPSC engineering, and is in use at the plant for CR relabeling.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

1/3/86

1/1/86



CLO/HED# 8.1-13

Correction # 6.3.3.4.8.

4.7.1.2.c (3)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

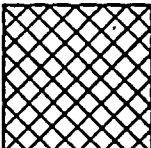
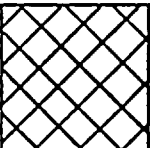
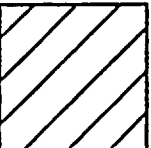
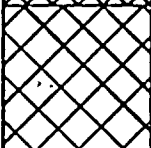
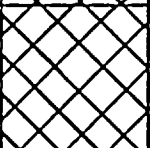
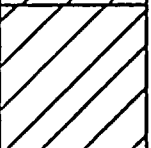
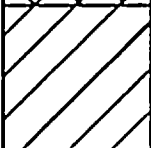
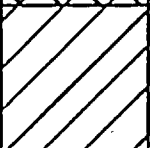
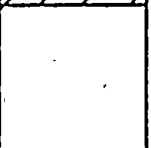
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

8.1-13

CLO/HED# 8.1-13.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

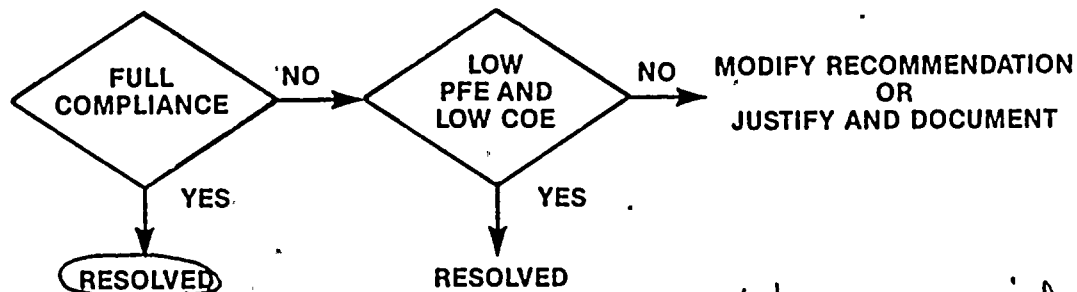
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION CR nameplates, annunciator
files and information labels are to be replaced with correct
abbreviations and acronyms. Software modification will be
considered in P-250 replacement. EOPs will reflect control
board labels.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 1/3/86AEPSC PROGRAM LEAD ENGINEER [Signature]DATE 1/1/86

CLO/HED# 9.1-1

Criterion#: 6.1.3.1 e(5)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

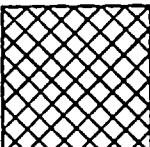
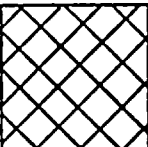
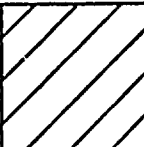
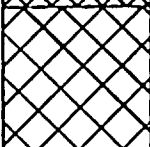
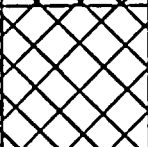
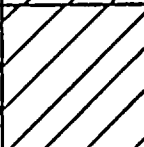
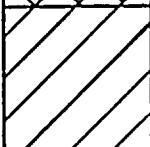
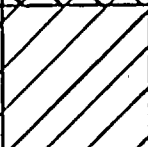
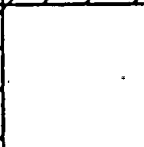
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED#

9.1-1

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

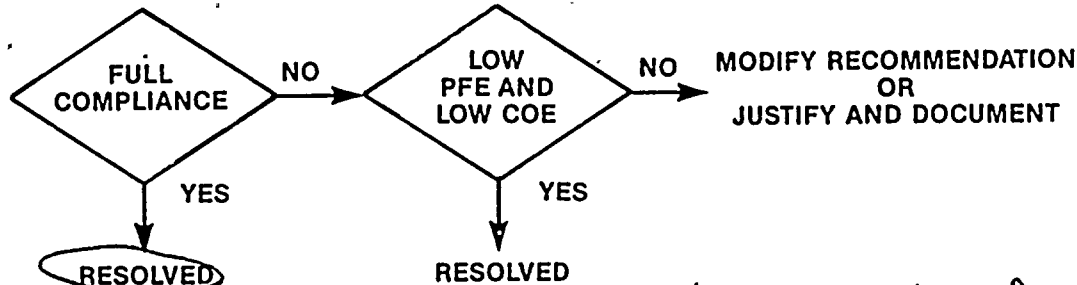
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION There is no longer any shared equipment controlled from both CRs. Analyses will be conducted to assess Appendix A equipment of major safety importance. Administrative procedures will be written as necessary.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER _____

DATE 1/3/86DATE 1/1/86

CLO/HED# 9.1-2

Criterion# 6.5.1.1 b

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

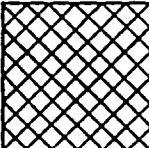
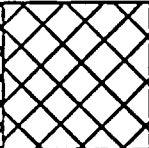

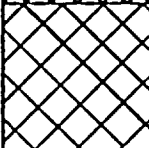
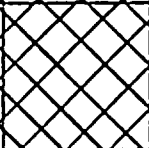
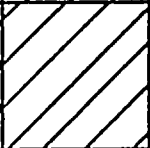
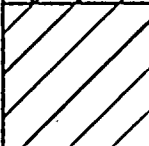
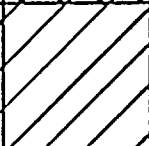
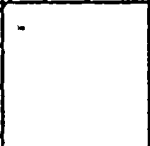
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY I

CLO/HED# 9.1-2

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

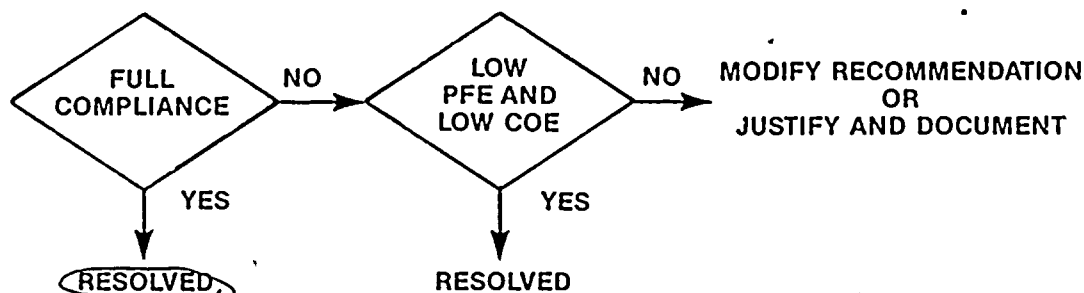
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

An SFTA has been performed. Information requirements were identified and those requirements were compared to the CR displays to determine if task requirements are met for emergency situations. See V1 and V2 series HEDs. Containment spray indicator was reviewed in the SFTA and was found to be adequate.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

10/2/86

DATE

11/786



CLO/HED# 9.1-3

Criterion# 6.5.1.1C

ASSESSMENT RECORD

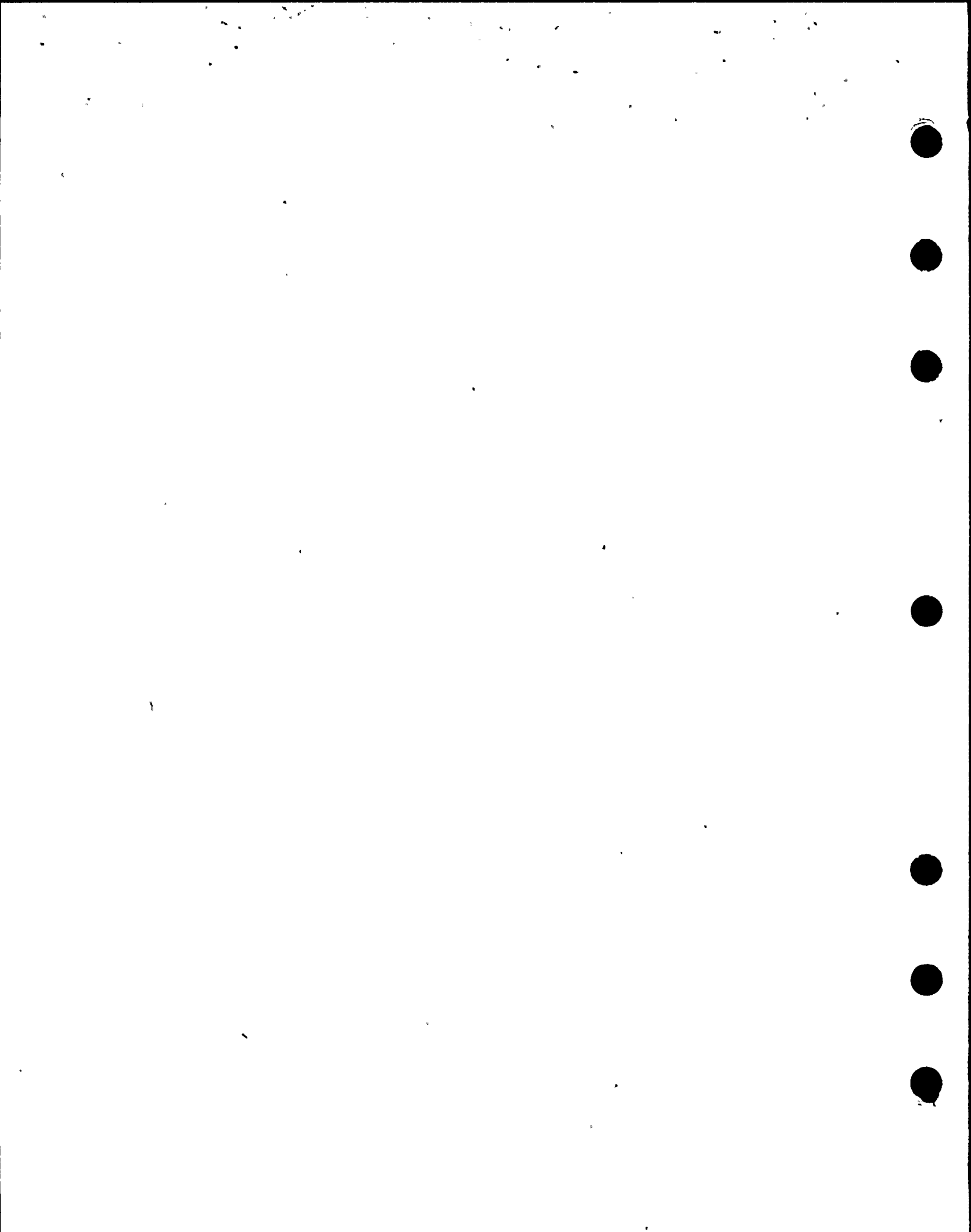
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW

Consequence Of Error

	High	Medium	Low
High			
Medium			
Low			

	Category I --	High priority; corrective action should be taken.
	Category II --	Medium priority; corrective action is highly recommended.
	Category III --	Low priority; corrective action is recommended.
	Category IV --	No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# 9.1-3

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

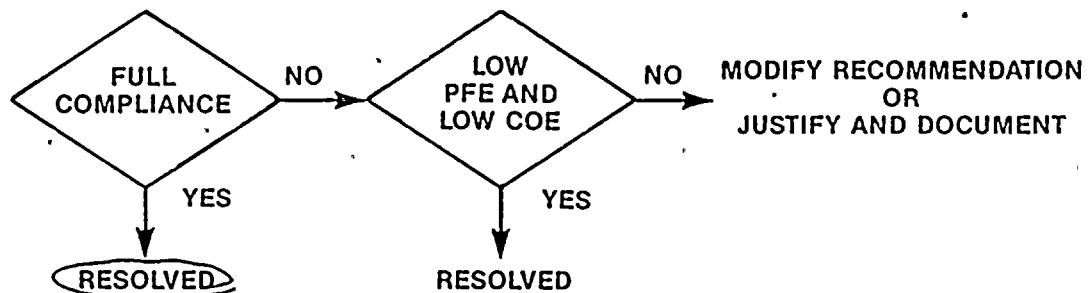
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION An SFTA has been performed
(see HED#s VI-22 and VI-23, also see 4.1-4). 20 MW Demand
and 90 MW are required for normal operations.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/2/86DATE 11/7/86

CLO/HED# 9.1-4

Criterion# 6.9.1.2 a
6.9.1.1 c

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

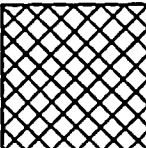
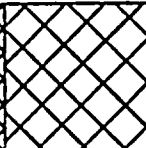
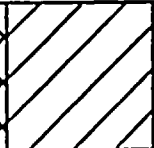
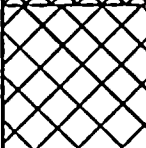
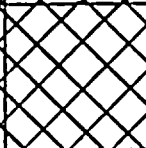
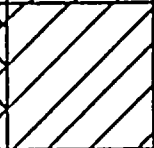
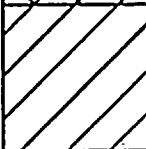






LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			
			Category I -- High priority; corrective action should be taken.	
			Category II -- Medium priority; corrective action is highly recommended.	
			Category III -- Low priority; corrective action is recommended.	
			Category IV -- No corrective action necessary, but should be considered.	

ASSESSMENT CATEGORY II

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

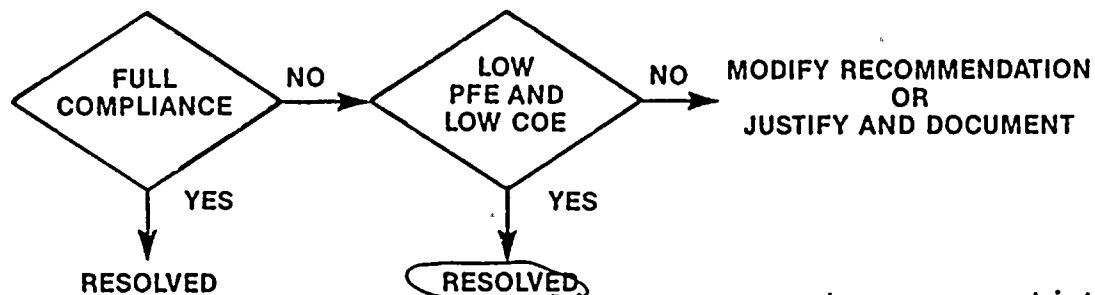
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION As per recommendations items listed were checked against SFTA results and those identified as important in SFTA were given appropriate attention. The following items were address in the verification and validation HED: (see next page)

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

DATE 10/2/86AEPSC PROGRAM LEAD ENGINEER RASDATE 11/7/86

EXPLANATION OR JUSTIFICATION (CONTINUED)

- ① 101 switches and associated gauges on RHR pnl. - see V
- ② Aux. Feed Pump controls and associated indicators - see V1
- ③ Letdown Isolation valve controls - see
- ④ Aux Feed valve control + assoc. flow meter - see V1
- ⑤ Circuit breakers for 600V bus cross tie - see V2-
- ⑥ Heat Exchanger Outlet Valve Controls - see V1-18
RHR Flow Indicators, Pump Amp
Indicators + Assoc. Alarms
- ⑦ Controls, Alarms, Amps + flow indication - see V1-
- ⑧ RHR Letdown valve control + Letdown - see V1-
flow, pressure indication
- ⑨ Synchronizing busses - see V2-1
- ⑩ Isolation switches SG 1,2,3,4 - see V1-8,
- ⑪ SG feed valves + assoc. displays - see V1-44,
- ⑫ Pull-to-stop reg. valves + level - See V1-
indicator
- ⑬ Heat Exchanger valve + Bypass - see V1-
valve
- ⑭ CNTMT Purge Supply + Exhaust - See V1-

Other issues listed were not identified as impo-
to emergency tasks in the SFTA. However, many
issues are addressed on other HEDs.

CLO/HED# 9.1-5

6.5.1.26

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

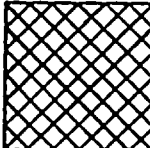
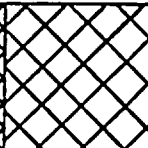
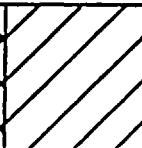
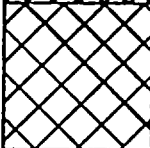
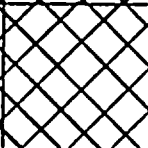
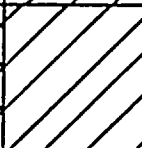
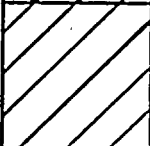
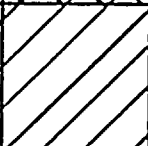

LOW

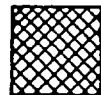
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV

CLO/HED# 9.1-5

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

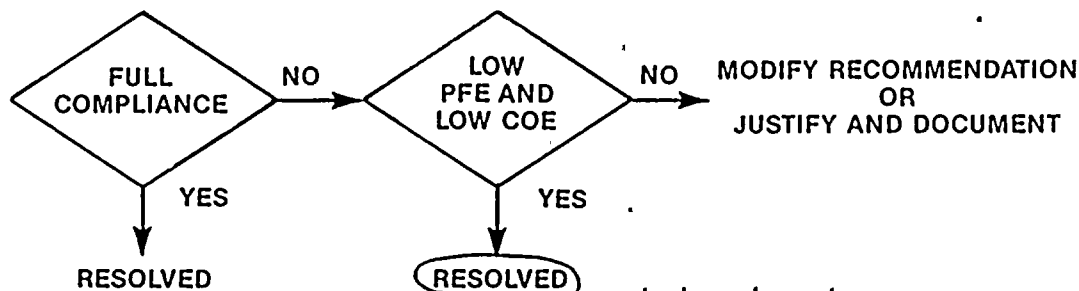
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION Accumulator level indicators, tech spec. and procedures are now all in cubic feet, so conversion is no longer required. Engineering review of Steam Packing Condenser indicator for Unit 2 is underway to eliminate conversion. Elevation to pressure conversion is a simple calculation with no time constraints, there is no need to modify Forebay indicator.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]DATE 11/3/86

AEPSC PROGRAM LEAD ENGINEER

RFSDATE 11/7/86

CLO/HED# 9.1-6

Criterion# 6.9.2.2 a (1)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

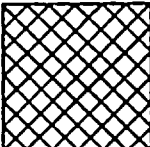
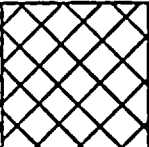
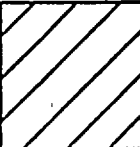
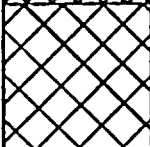
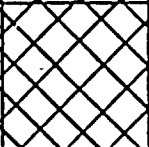
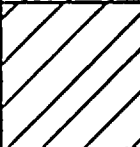
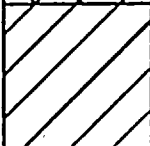
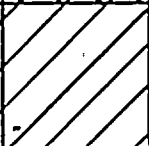

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED☒ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

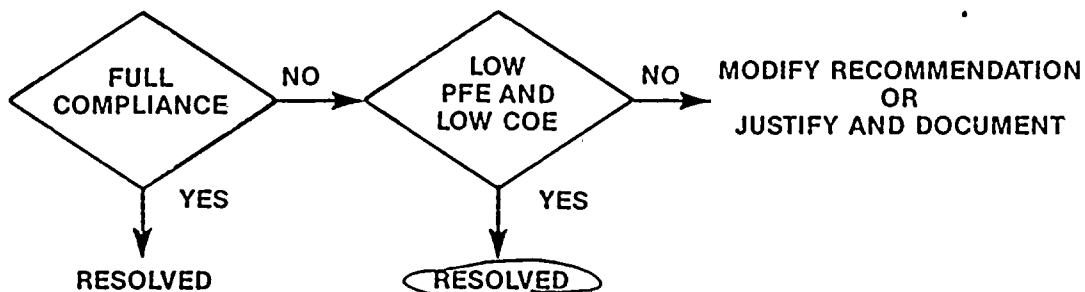
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION

1. Screen indicators are master indicators for all 7 screens and they are located directly above controls. 2. & 3. Operations and engineering will review swapping PZR level control and recorder selectors. 4. Vibration indicator is located to the side of the controls, the association is good and no change is needed. 5. Delta T controls are located directly above the recorder, the association is good and no change is needed.

SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. [Signature]DATE 10/2/86

AEPSC PROGRAM LEAD ENGINEER

RASDATE 11/7/86



CLO/HED# 9.1-7

Criterion# 6.8.2.2 a, b

6.9.1.2 c(1)(2) ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

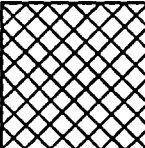
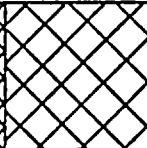
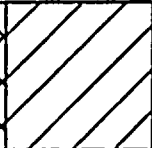
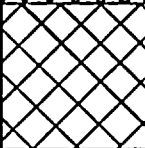
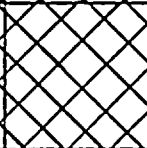
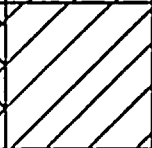
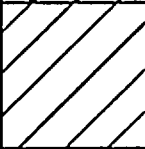
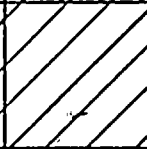
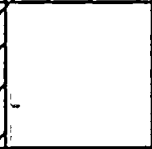




LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			
			Category I -- High priority; corrective action should be taken.	
			Category II -- Medium priority; corrective action is highly recommended.	
			Category III -- Low priority; corrective action is recommended.	
			Category IV -- No corrective action necessary, but should be considered.	

ASSESSMENT CATEGORY II

CLO/HED# 9.1-7

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

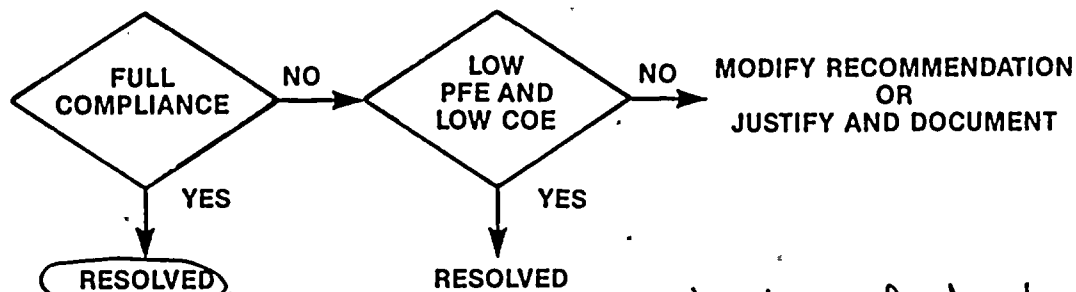
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

The controls and displays
listed will be modified so position sequences
match.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE

1/3/86

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

1/1/86

CLO/HED# VL-1

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

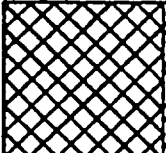
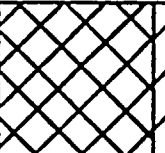


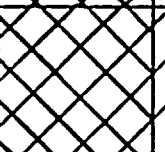

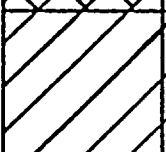
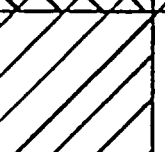
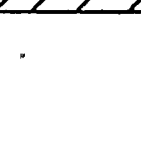
LOW

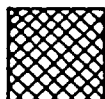
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



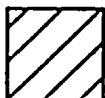
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# V 1-1

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

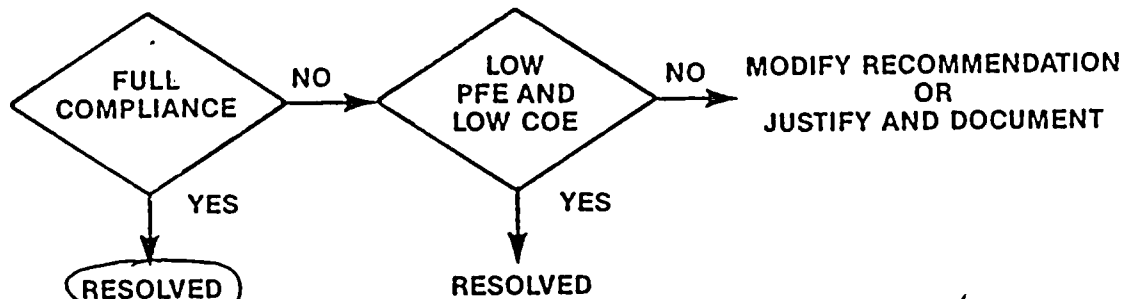
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Part length rod control
removal under consideration

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/2/86

DATE 11/9/86

CLO/HED# V1-2

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

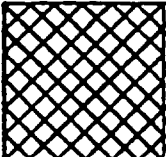
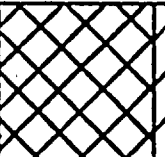

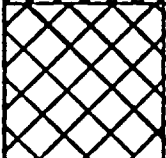
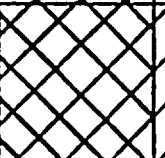

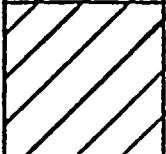
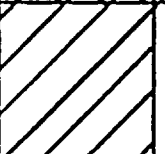

LOW

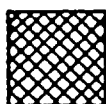
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



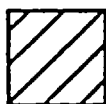
Category I --

High priority; corrective action should be taken.



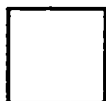
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV

CLO/HED# V1-2

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

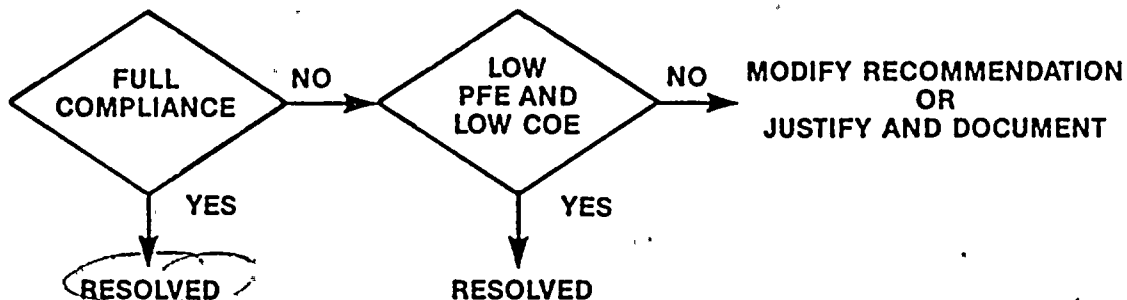
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Scale changes under consideration.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 10/2/86

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 11/3/86



ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

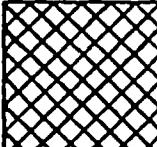
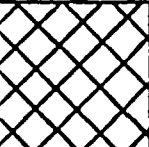

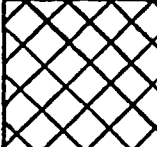
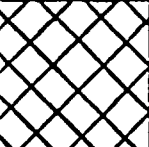


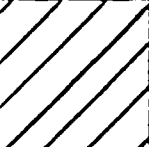

LOW

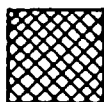
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



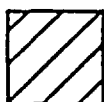
Category I --

High priority; corrective action should be taken.



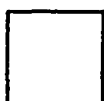
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

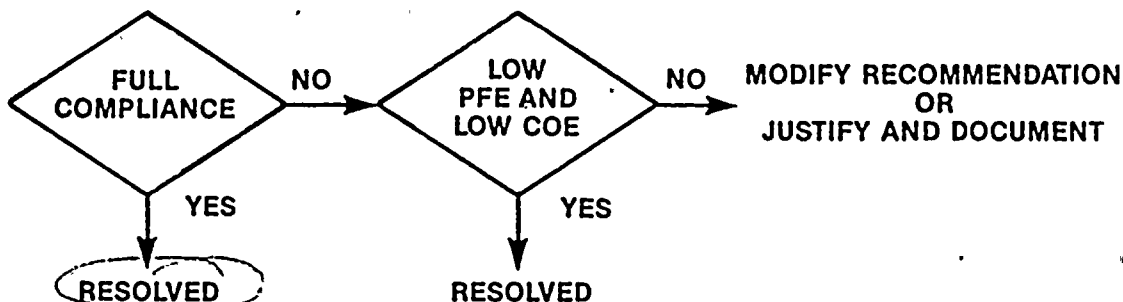
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

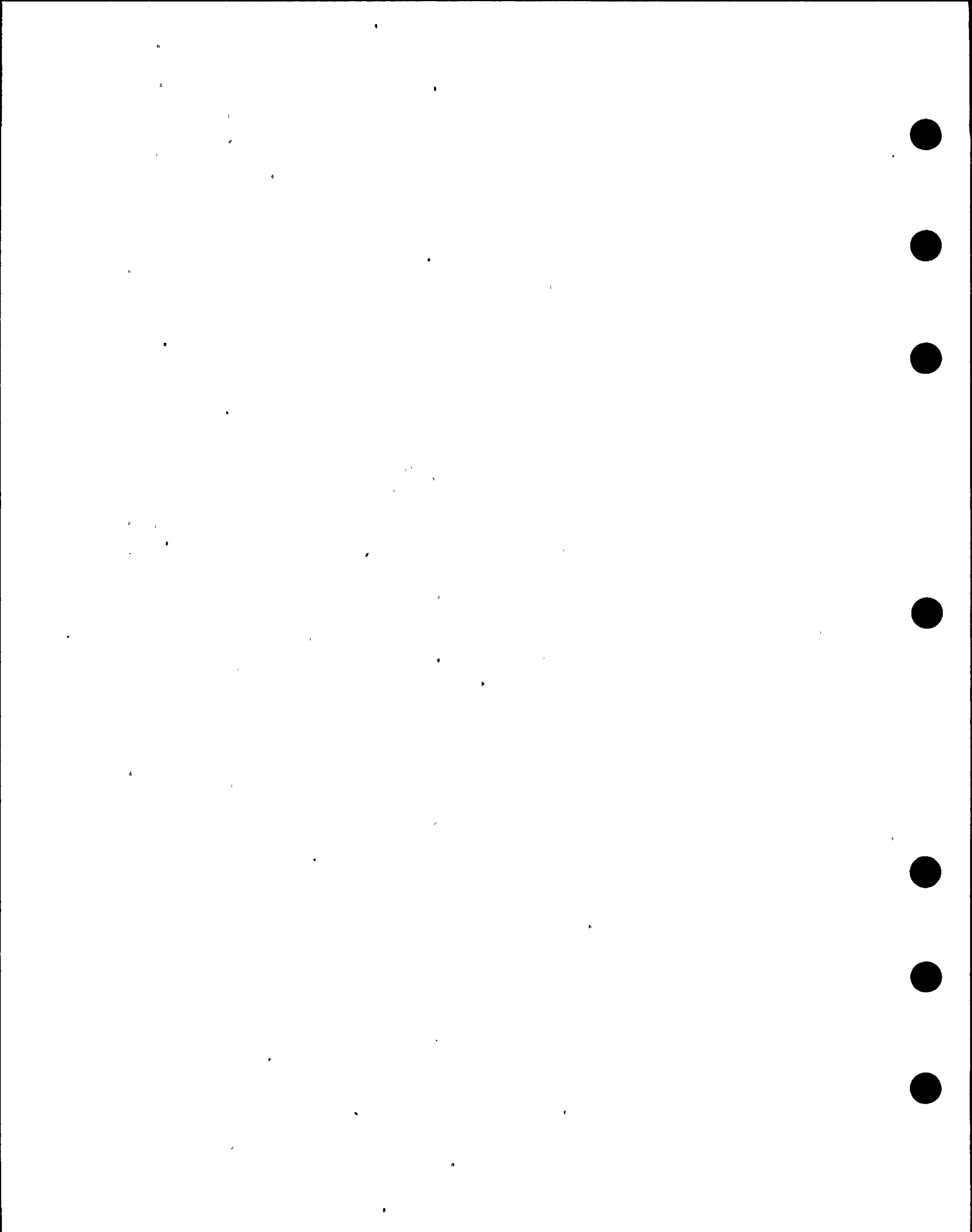
LOW

EXPLANATION OR JUSTIFICATION Scales will be changed

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER RFSDATE 10/2/86DATE 11/13/86



ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

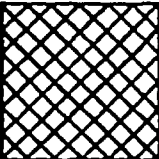
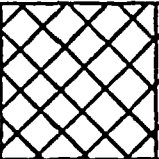

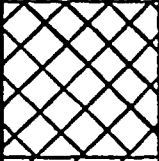
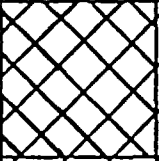




LOW

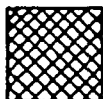
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



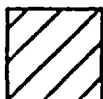
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

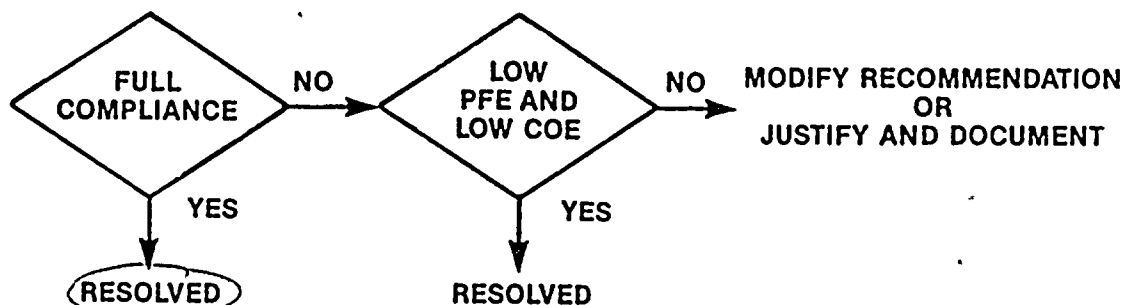
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Have status lights with lamp
test to light at 100 psid. Will re-engrave windows, using
approved acronyms and abbreviations, to clarify function.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]DATE 10/2/86

AEPSC PROGRAM LEAD ENGINEER

RFSDATE 11/3/86

CLO/HED# V1-5

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

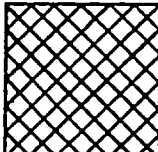
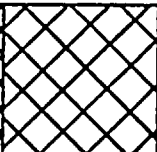
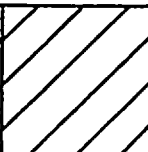
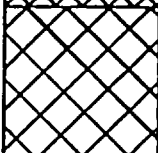
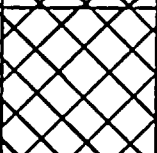
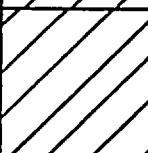
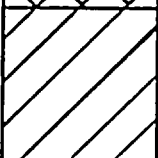
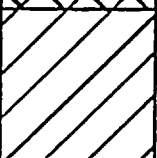

LOW

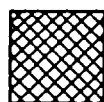
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# V1-5

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

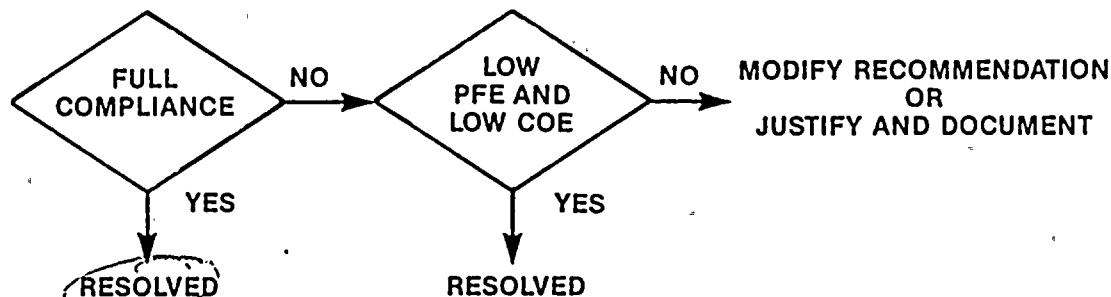
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Will change procedure so that
operator is directed to look at status light "STEAM FLOW HI-HI" or
so that operator has appropriate guidance.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 10/2/86AEPSC PROGRAM LEAD ENGINEER RASDATE 1/1/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

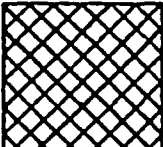
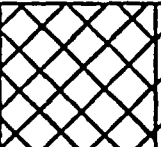

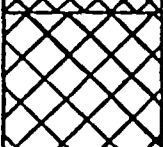


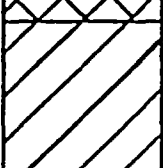
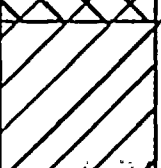

LOW

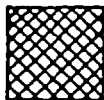
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

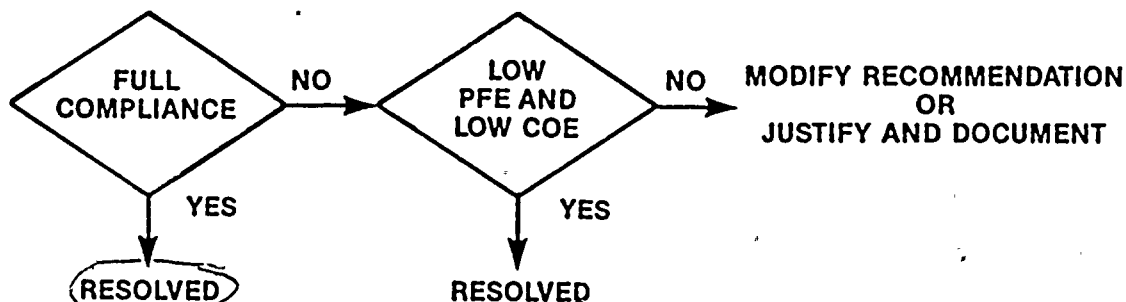
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION:

Recorders provide
adequate reading, located in same area at eye height.
Also, meters will be zone coded for necessary values.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]DATE 11/2/86

AEPSC PROGRAM LEAD ENGINEER

RFSDATE 11/3/86

CLO/HED# ✓1-7.

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

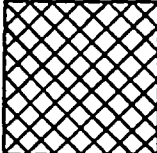
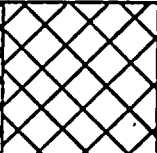
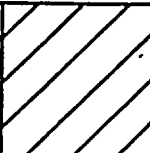
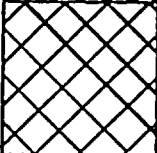
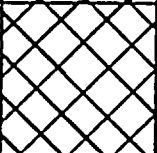
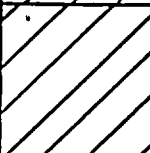
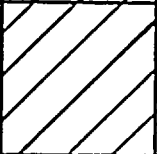
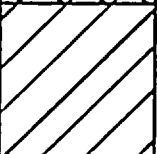

LOW

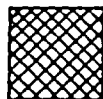
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



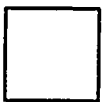
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

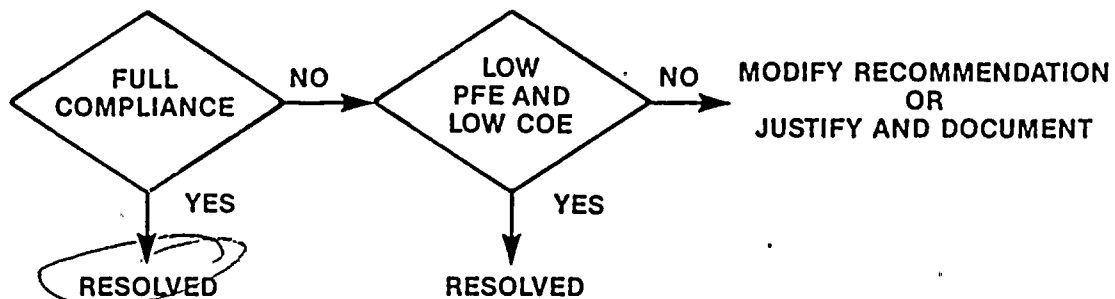
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION *Procedure is correct, operators stress attention is dependent on close reading and rate of change of parameters. Values are nominal guide lines taken from set point documents. Zone coding will be applied on meters where appropriate.*

SIGNOFF

H.F. CONSULTANT (ESSEX)

*[Signature]*DATE *10/1/86*

AEPSC PROGRAM LEAD ENGINEER

*RFS*DATE *11/13/86*

CLO/HED# VV-8

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

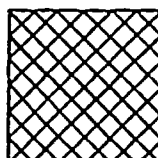
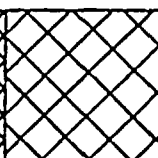
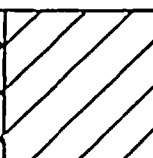
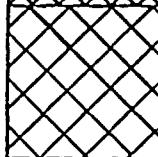
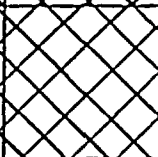
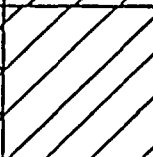
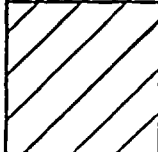
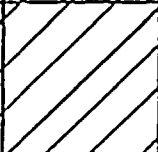

Low

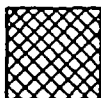
Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# V1-8

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

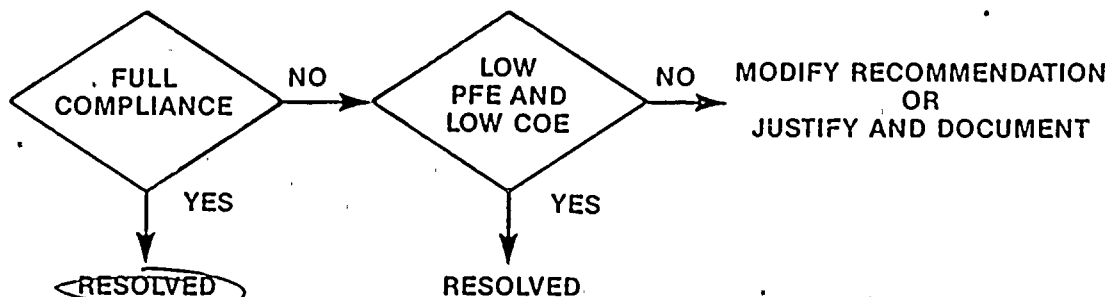
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION FW Isolation valve control
switch rearrangement design is in progress

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 10/2/86AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/3/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

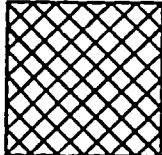
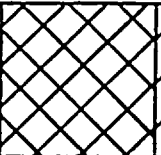

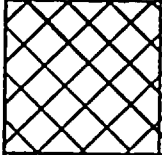
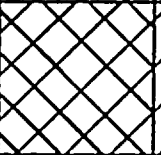

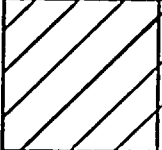
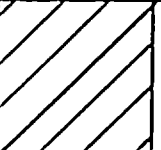

Low

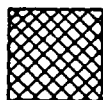
Potential For Error

High

Medium

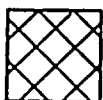
Low

	High	Medium	Low
High			
Medium			
Low			



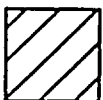
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# V1-9

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

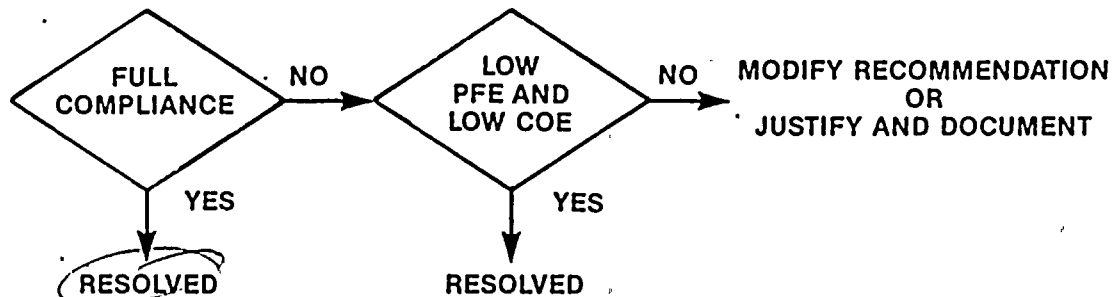
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION See CLO V2-20. Valves are on
correct panel, will be high lighted so they can be located
more easily.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 10/2/86AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/3/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

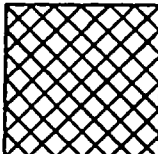
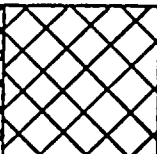
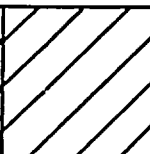
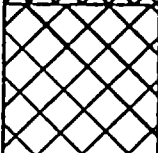
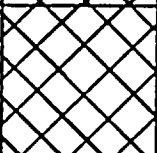
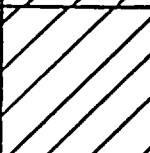
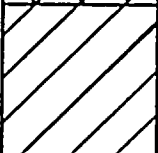
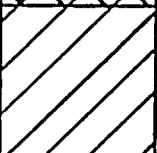

LOW

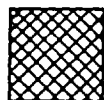
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

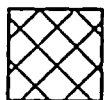
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



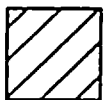
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# VI-10

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

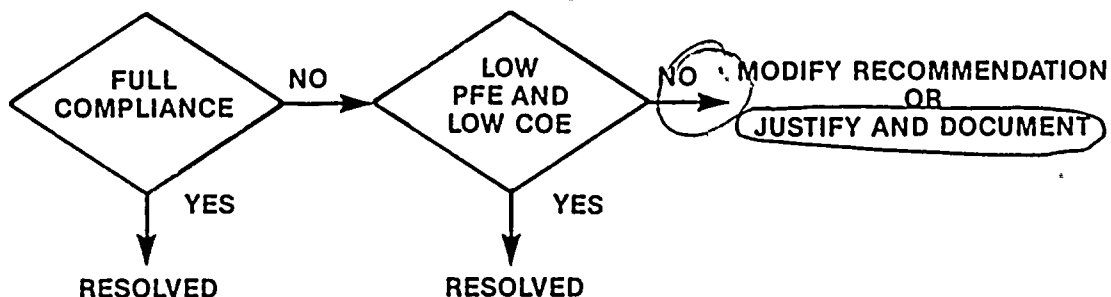
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

No action. Operator is only looking for approximate value if error occurs recovery is easy. A total Aux F.W flow indicator would be nice but is not needed for safe operation.

SIGNOFF

H.F. CONSULTANT (ESSEX)

T. J. Wors

DATE

10/1/86

AEPSC PROGRAM LEAD ENGINEER

RAS

DATE

11/13/86



ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

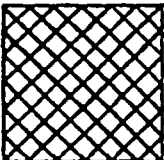
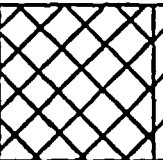

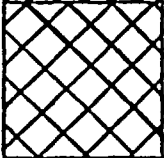
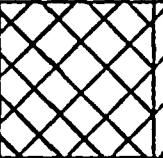


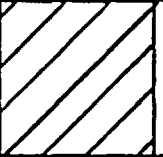

LOW

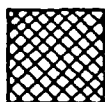
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

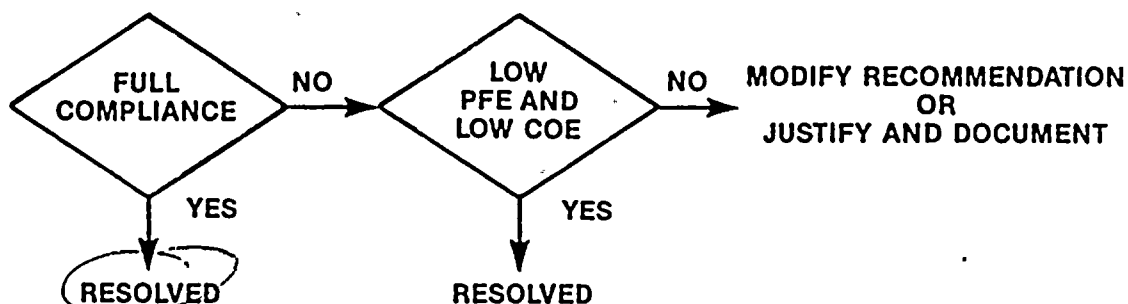
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION Will replace scales with ones
having proper markings.

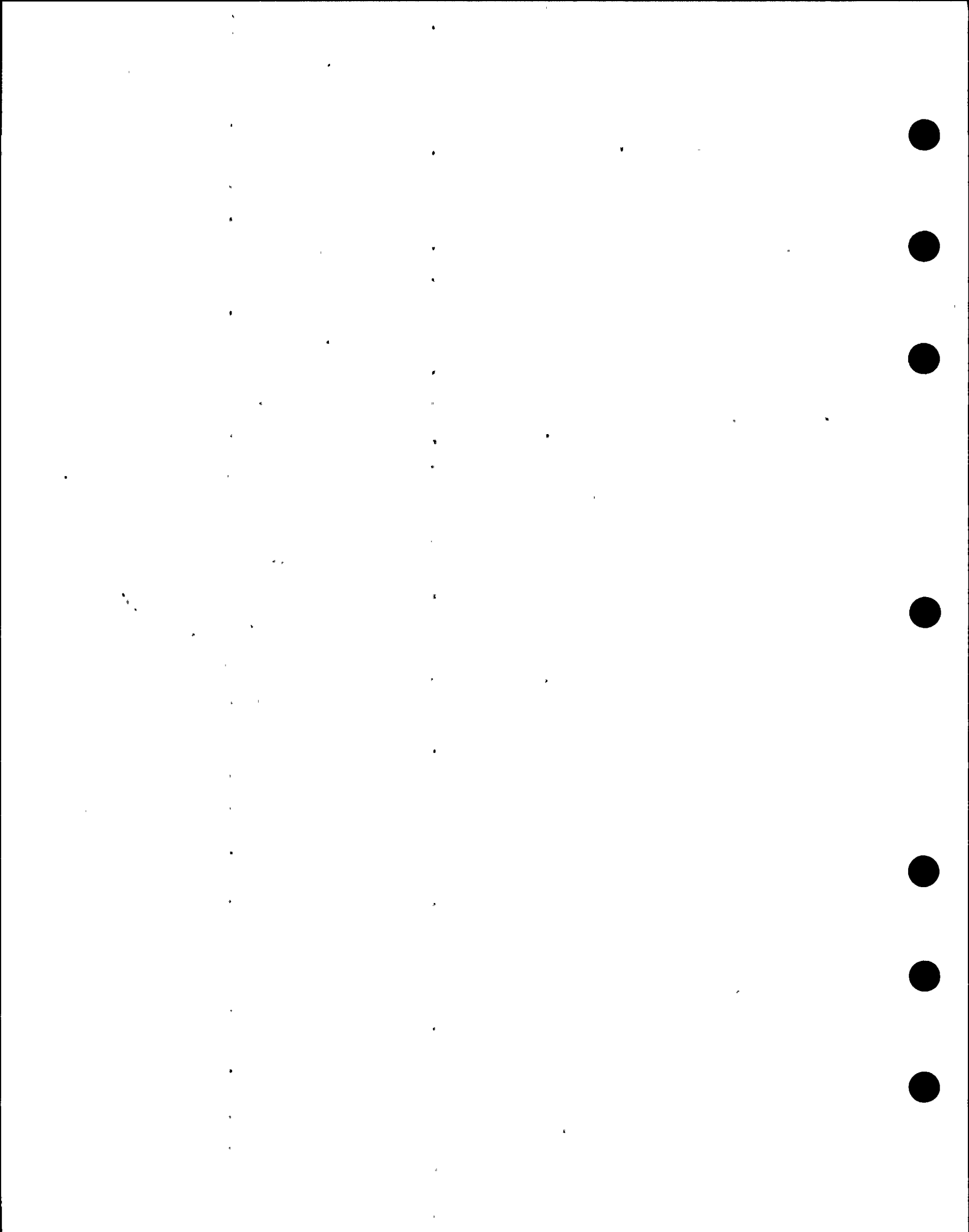
SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]DATE 10/2/86

AEPSC PROGRAM LEAD ENGINEER

RFSDATE 11/3/86



ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

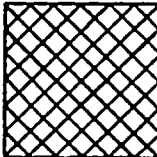
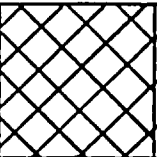

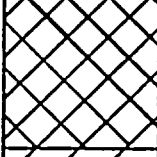
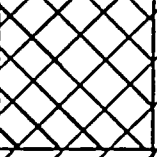



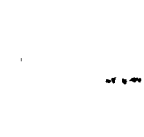
LOW

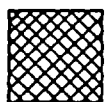
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

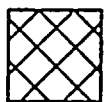
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



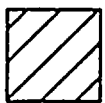
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

Note: Same as V2-12

CLO/HED# V1-12

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

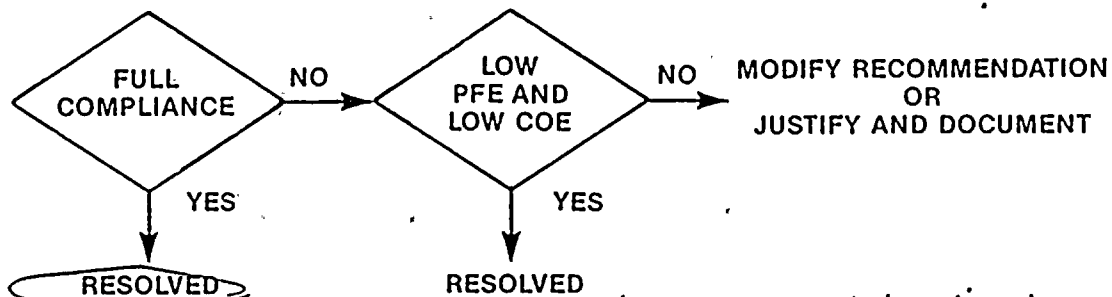
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Isolation valve status lights are
being considered to provide indication of Phase A
Isolation signal.
Note: this is the same as V2-12

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER RFSDATE 10/2/86DATE 1/1/86



ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

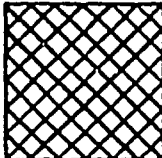
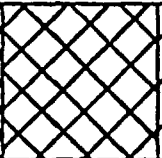

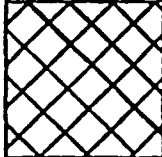


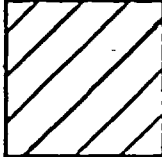
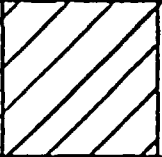

LOW

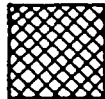
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



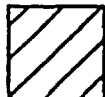
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

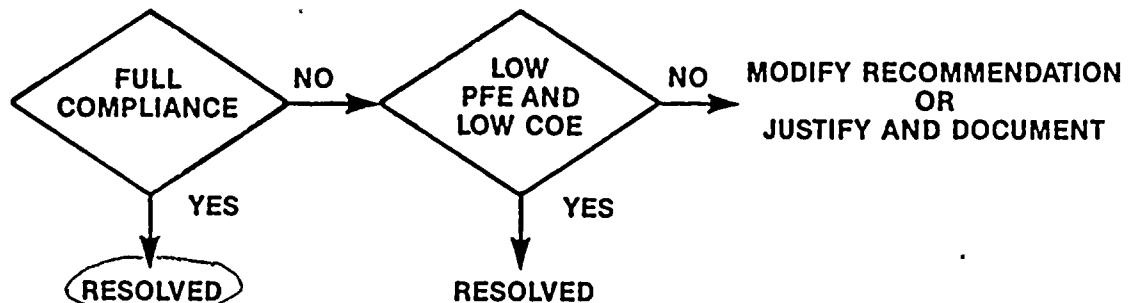
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Review of EOP's versus panel labels
will insure compatibility. labels will be replaced as part of label
enhancement program.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]DATE 10/2/86

AEPSC PROGRAM LEAD ENGINEER

RFSDATE 11/3/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

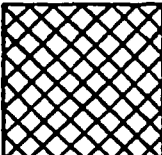
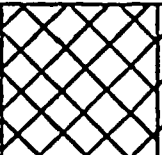

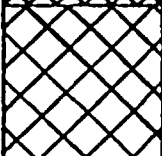
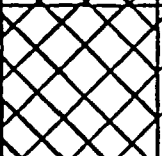
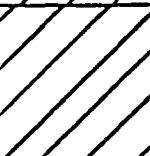
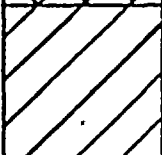
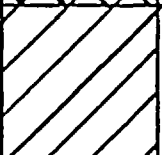

LOW

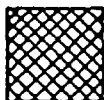
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



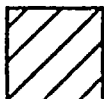
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

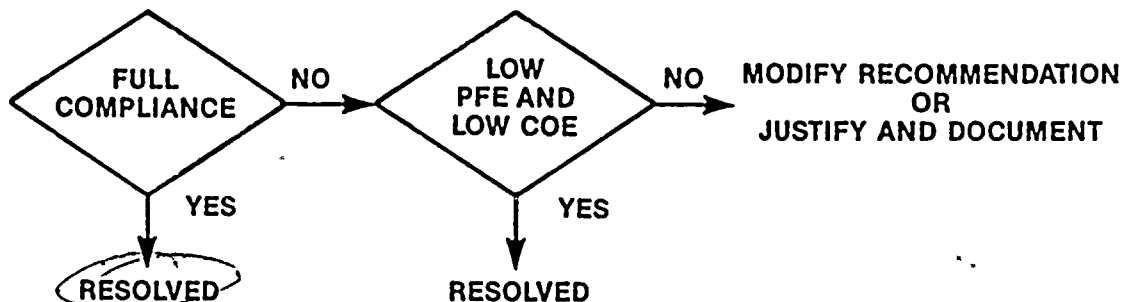
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION As per GEG background document for
plants without streamline rad. monitors, levels will be checked locally.
There are other indications of SGTR available. Operating procedure will
be reviewed for correctness and training will cover this.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]DATE 10/2/86

AEPSC PROGRAM LEAD ENGINEER

RFSDATE 11/3/86

CLO/HED# VI-15.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☒ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

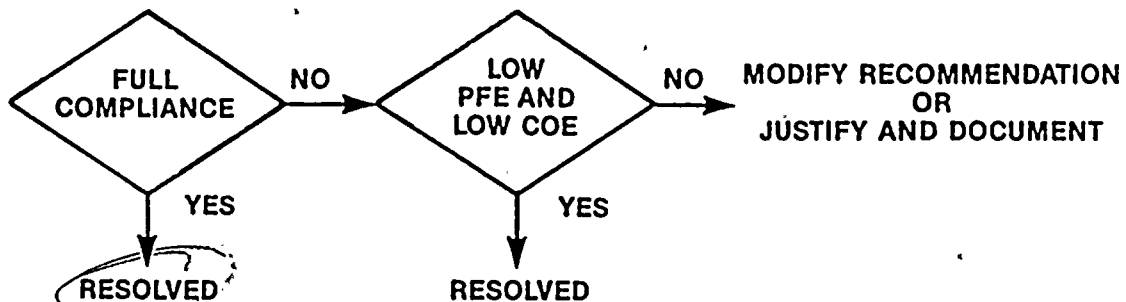
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Not a HED. CLO is incorrect. There is appropriate indication in the control room.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]

DATE 10/2/86

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 11/13/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

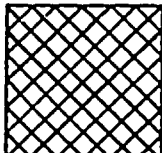
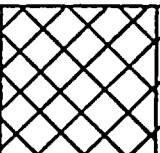


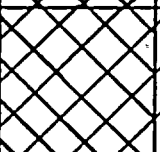
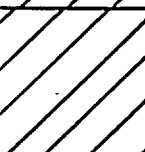
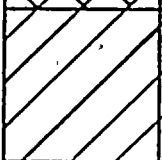
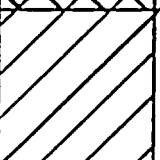

LOW

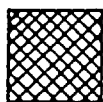
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



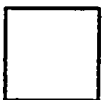
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# V1-16

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

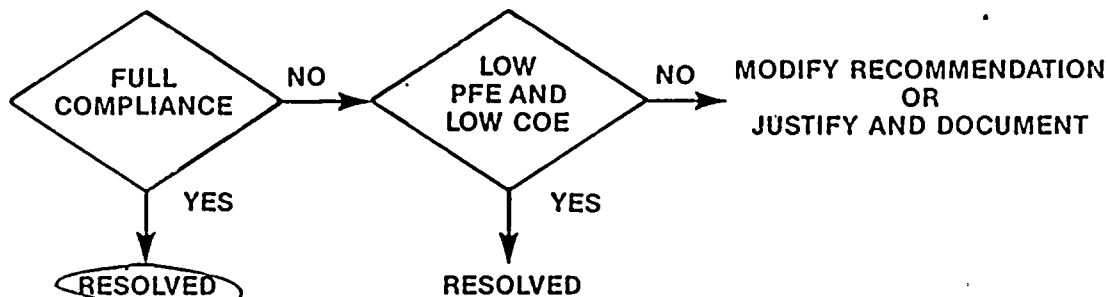
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Consideration is being given to adding a steam generator pressure recording possibly by adding a pen to SG level recorder.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER RFSDATE 10/2/86DATE 11/3/86

CLO/HED# VI-17

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

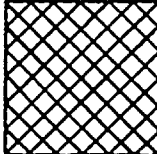
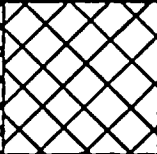
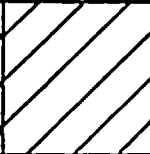
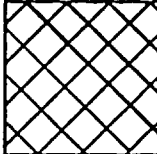
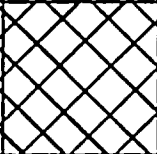
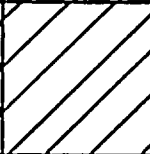
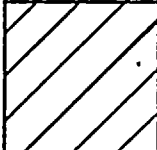
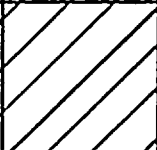

LOW

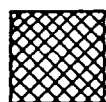
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

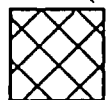
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



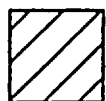
Category I --

High priority; corrective action should be taken.



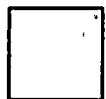
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# V1-17.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED ☐ PARTIALLY APPROVED ☒ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

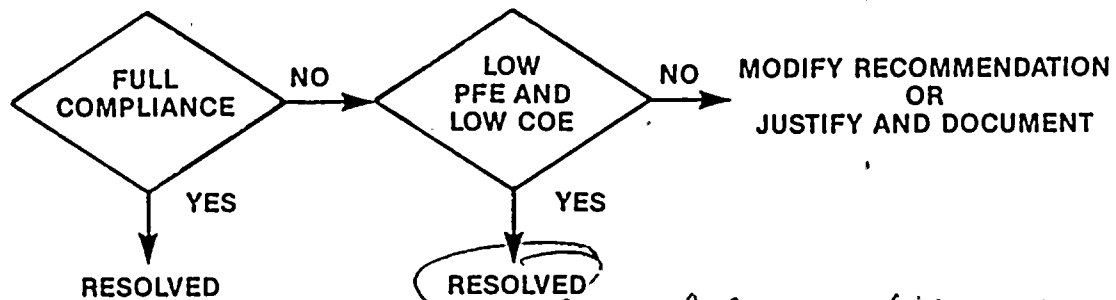
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION No action. Action to turn on igniters is not time critical. Three operators are in control room and action only requires a few seconds. Controls are on panels A7 + A8 inside of back panels and can be readily accessed.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 10/2/86

DATE 11/3/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

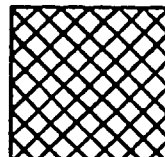
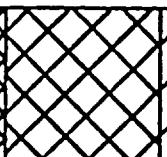

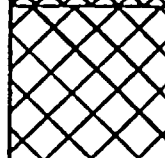
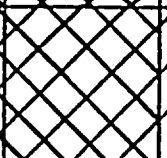

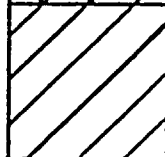
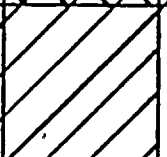

Low

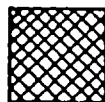
High

Medium

Low

Potential For Error

	High	Medium	Low
High			
Medium			
Low			



Category I --

High priority; corrective action should be taken.



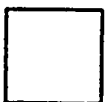
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# V1-18

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

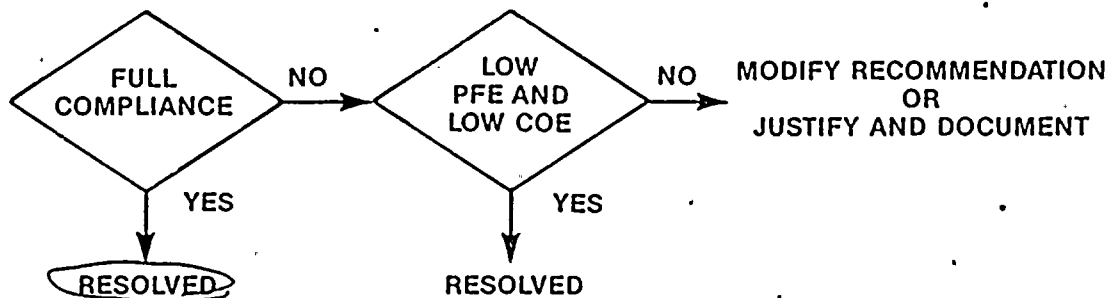
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Plans are to rearrange indicators.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/2/86

AEPSC PROGRAM LEAD ENGINEER RES DATE 11/13/86



ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

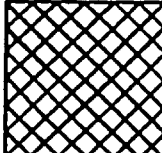
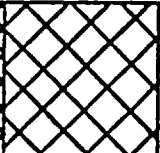
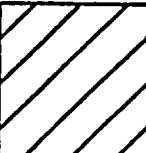
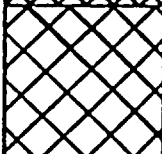
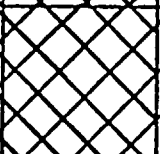
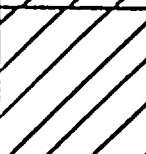
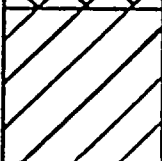
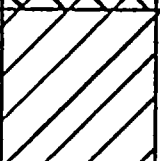

LOW

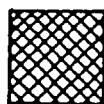
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# V1-19

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

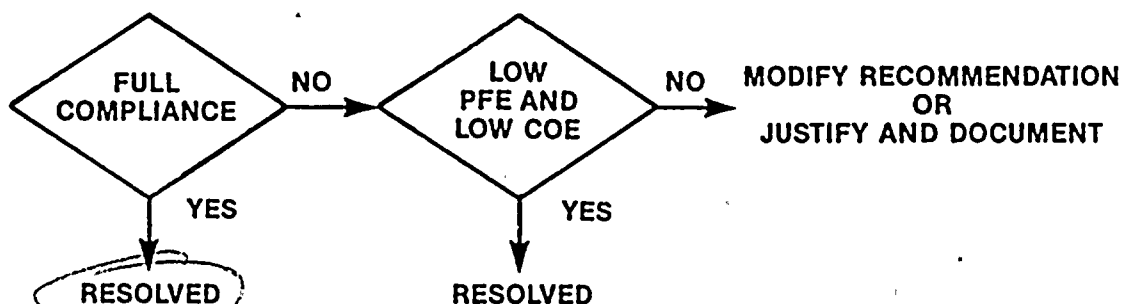
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Will change scale to 0-1200 psig
and put two marks on scale for normal and emergency
settings.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]

DATE 10/2/86

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 11/9/86

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☒ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

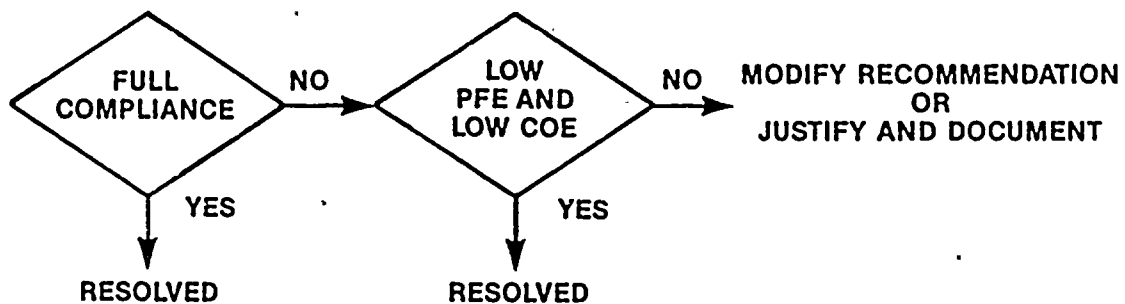
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Not an HED. CLO is incorrect
There is a status bit which provides steam line pressure.
SI block reset status.

SIGNOFF

H.F. CONSULTANT (ESSEX)

F. [Signature]DATE 10/2/86

AEPSC PROGRAM LEAD ENGINEER

RFSDATE 11/9/86



CLO/HED# V1-21

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

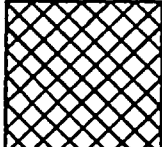
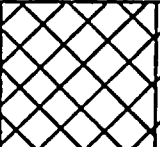


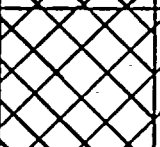

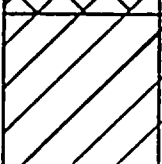
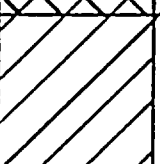
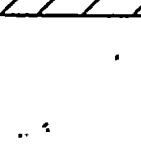
LOW

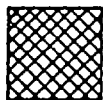
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



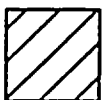
Category I --

High priority; corrective action should be taken.



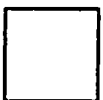
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# V1-21

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

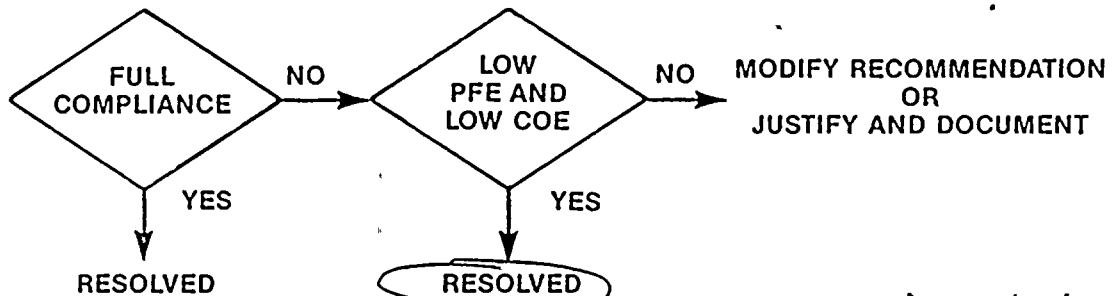
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION One of 4 means of detecting leakage. Containment temperature is available on side of back panels and can be readily accessed.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER RFSDATE 10/2/86DATE 11/9/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

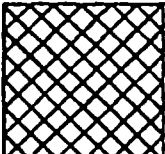
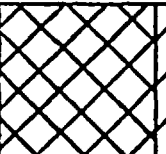

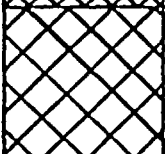
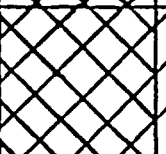

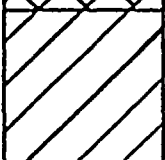
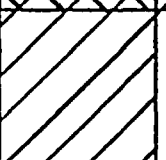

Low

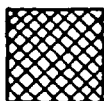
Potential For Error

High

Medium

Low

	High	Medium	Low
High			
Medium			
Low			



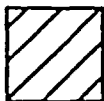
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

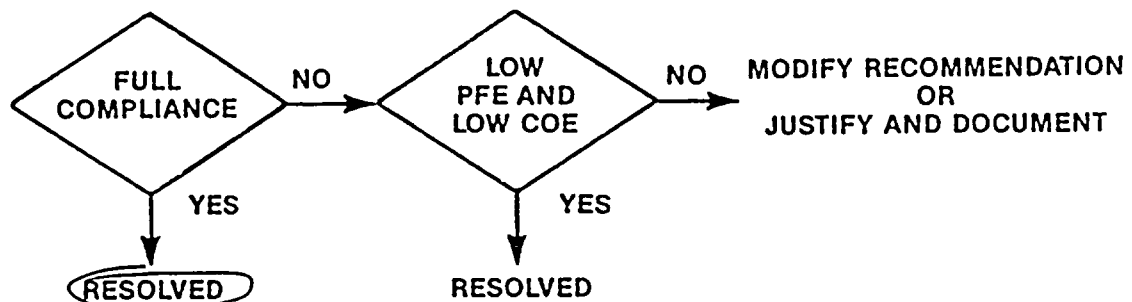
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Unused Controls are being reviewed. Those that have no impending use are being considered for removal. Also see CLO 4.1-4

SIGNOFF

H.F. CONSULTANT (ESSEX)

DATE 10/2/86

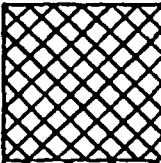
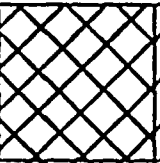
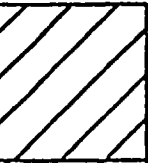
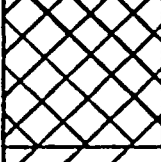
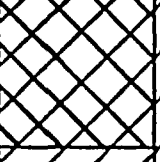
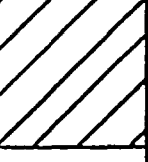



AEPSC PROGRAM LEAD ENGINEER

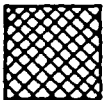
DATE 11/9/86



ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE) HIGH MEDIUM LOW
CONSEQUENCE OF ERROR (COE) HIGH MEDIUM LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



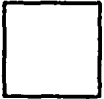
Category I -- High priority; corrective action should be taken.



Category II -- Medium priority; corrective action is highly recommended.



Category III -- Low priority; corrective action is recommended.



Category IV -- No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV

CLO/HED# V1-23

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

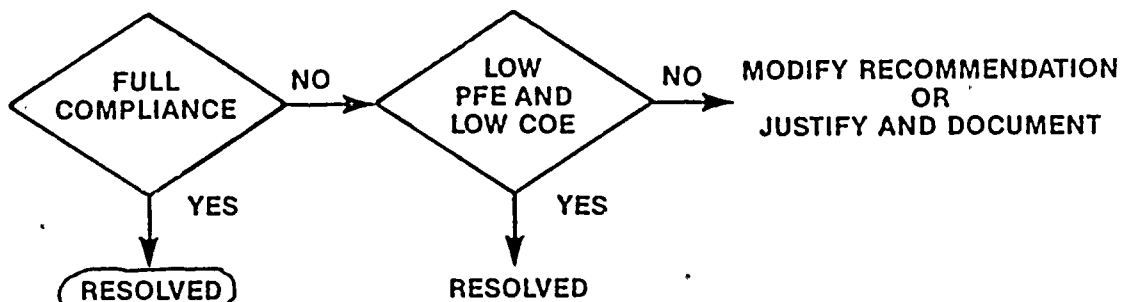
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Unused controls are being reviewed. Those that have no impending use are being considered for removal. Also see CLO 4-1-4

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/2/86
AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 11/1986

CLO/HED# V1-24

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

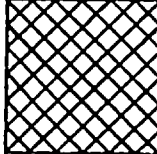
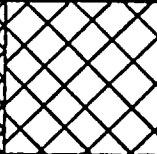

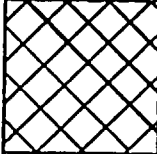
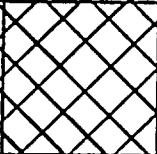
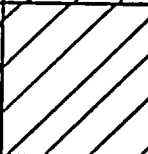
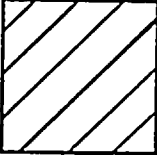
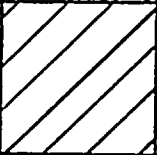

LOW

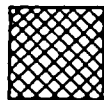
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



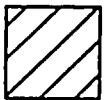
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# V1-24.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

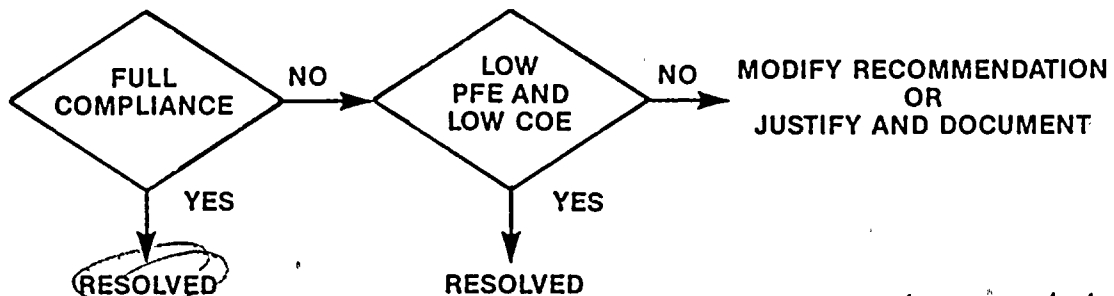
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Will review adding status

light.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE

10/2/86

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

11/986



CLO/HED# V(-25)

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

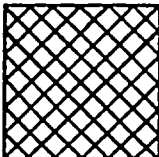
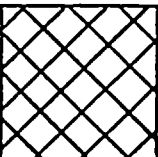
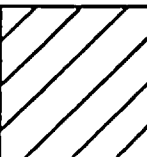
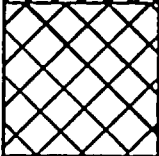
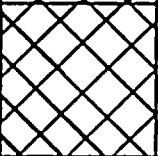
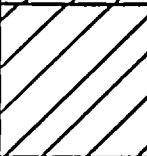



LOW

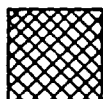
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

I

CLO/HED#

V1-25.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

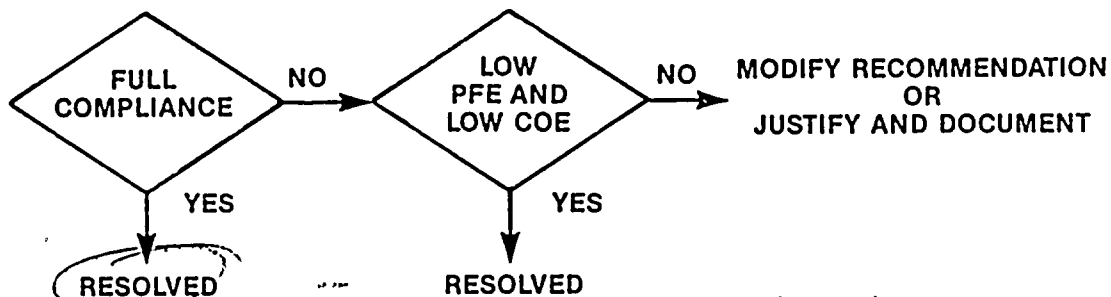
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Will review installing square root
extractors for BIT and SI flow signals and linear scales
on indicators to provide appropriate reading resolution.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/1/8611/19/86

CLO/HED# V1-26

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

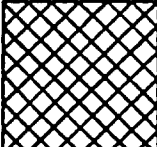
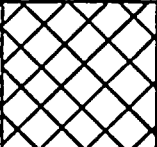

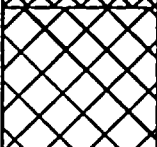

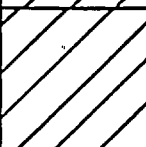

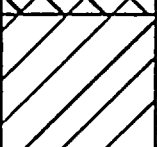
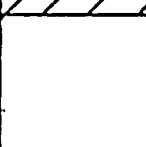
LOW

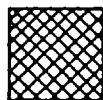
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



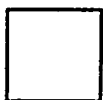
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

I



CLO/HED# 01-26.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

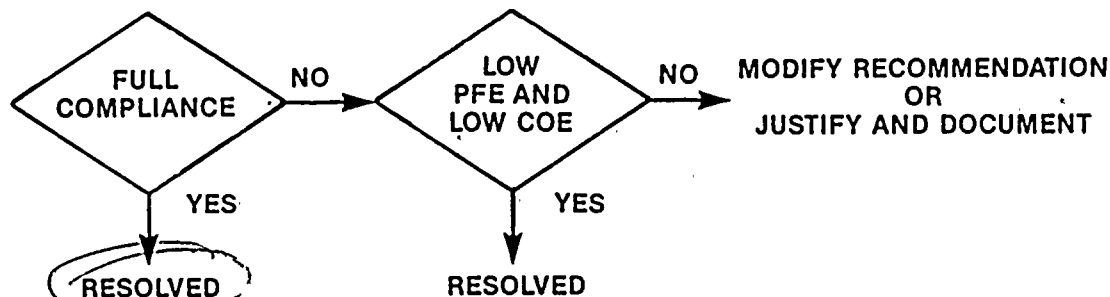
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Will review adding square root
extractors to BIT flow signals and linear scales to
indicators.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

DATE

10/2/86

AEPSC PROGRAM LEAD ENGINEER RFS

DATE

11/1986

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

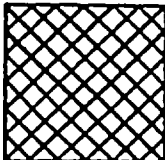
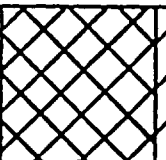

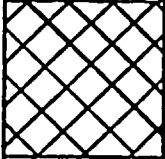
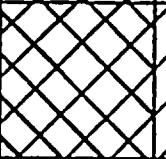

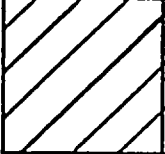
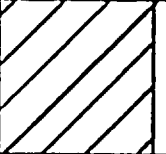

LOW

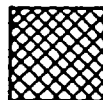
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



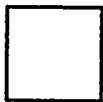
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

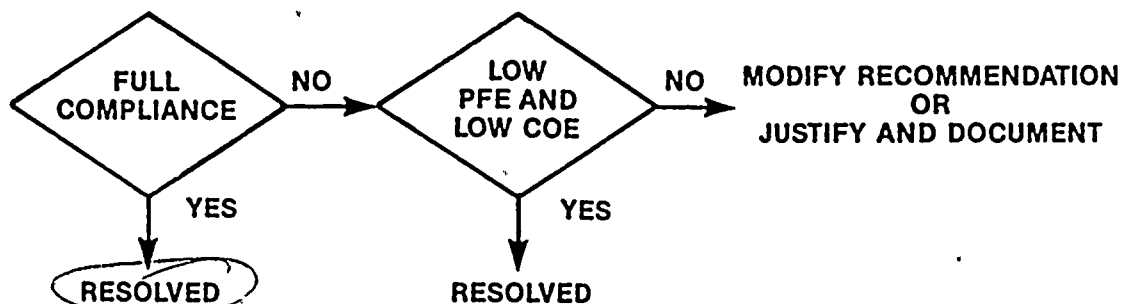
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Actual instrument range is 0-2800
psig. Maximum pressure capacity is 2586. Scale will be
modified so it is marked 0-2800 psig.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 10/2/86AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/9/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

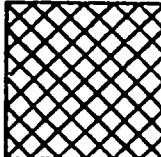
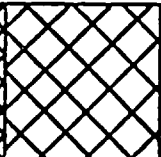
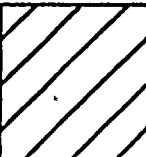
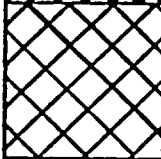
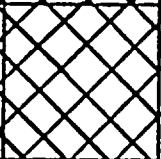

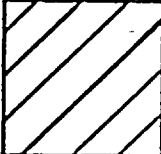
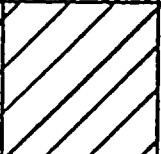

LOW

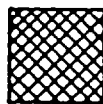
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

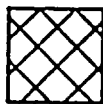
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



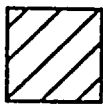
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

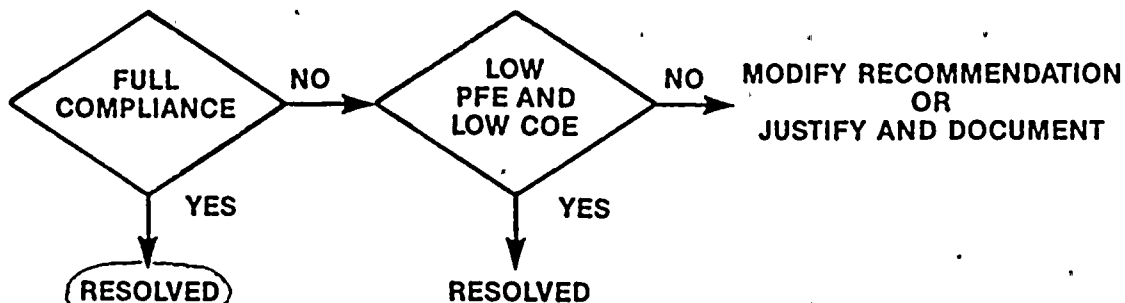
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Recorder charts and scales are being reviewed and will be modified as is appropriate.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 10/2/86AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/9/86

CLO/HED# VI-29

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

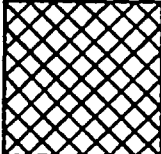
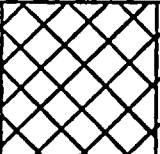

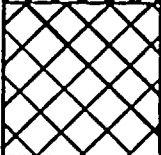
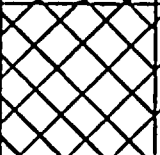

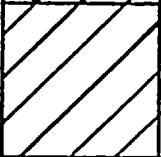
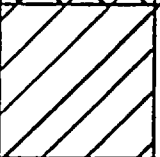

LOW

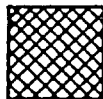
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



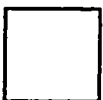
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# V1-29.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED

☐ PARTIALLY APPROVED

☒ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

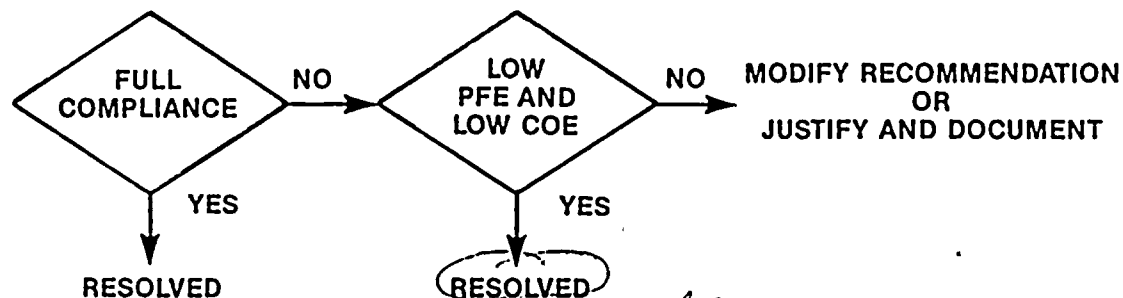
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION No action required, Usable
scale; i.e., up to 10⁶, is 8" long.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPS PROGRAM LEAD ENGINEER RFS

DATE 10/2/86

DATE 11/9/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

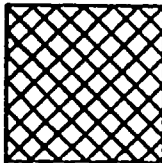
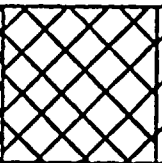

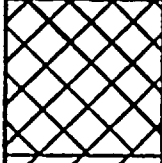
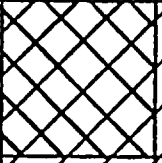




LOW

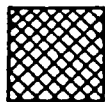
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



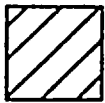
Category I --

High priority; corrective action should be taken.



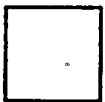
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# V1-30

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

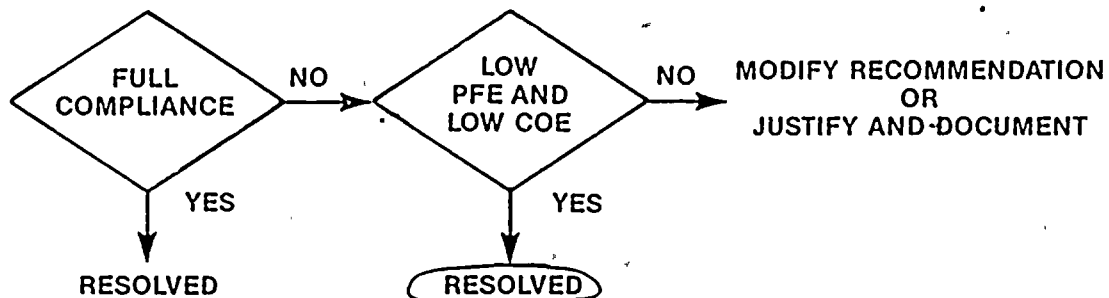
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION

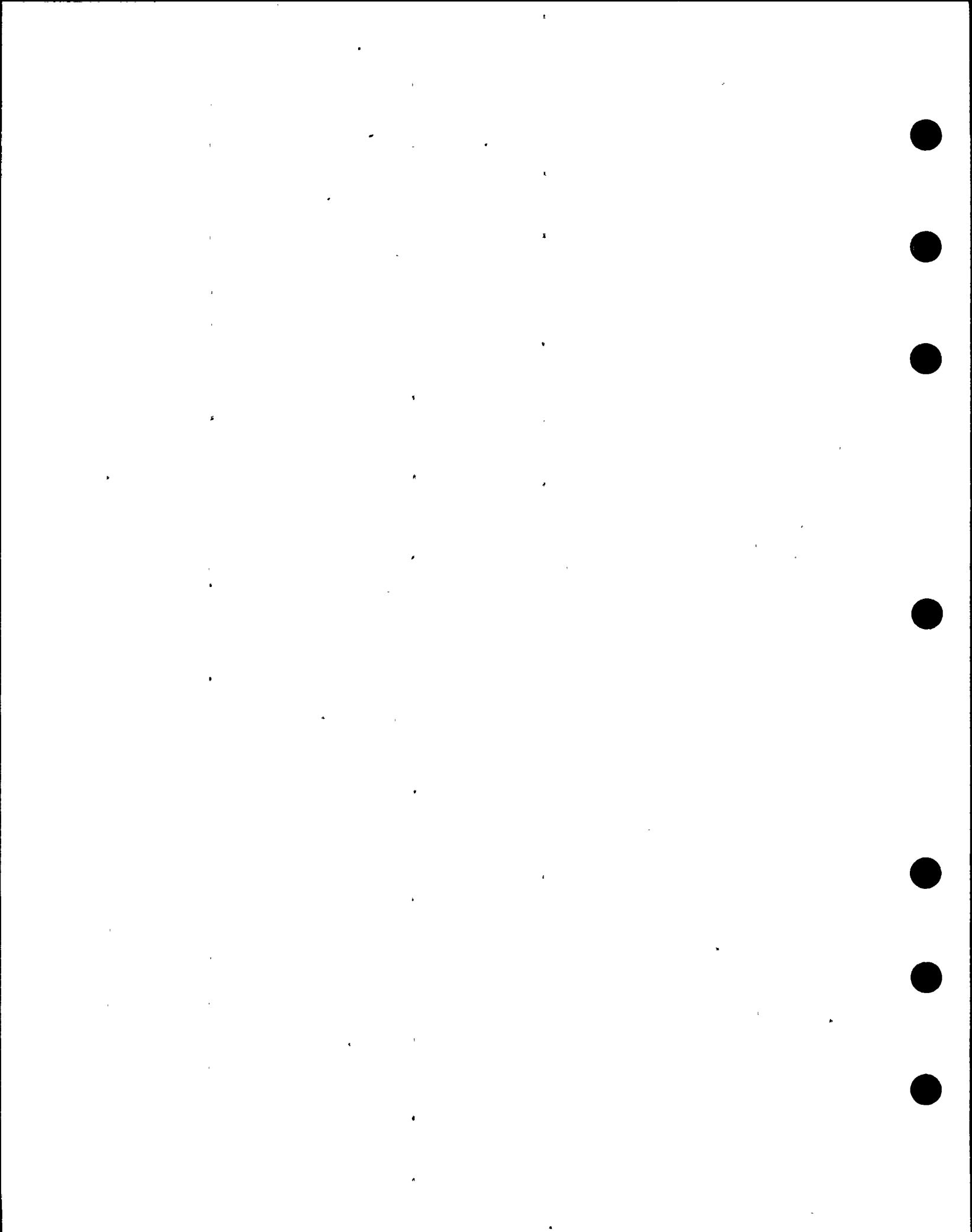
The emergency response requirement that the criteria table is based upon only requires verification that pressure is decreasing.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER _____

DATE 10/2/86DATE 11/1986



ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

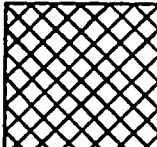
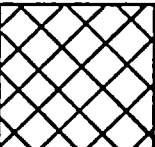

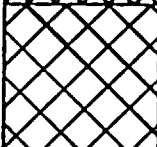
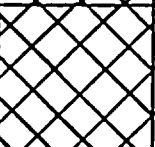


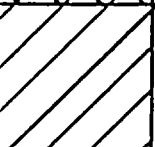

LOW

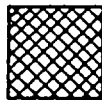
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

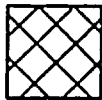
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



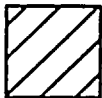
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED#

V1-31.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

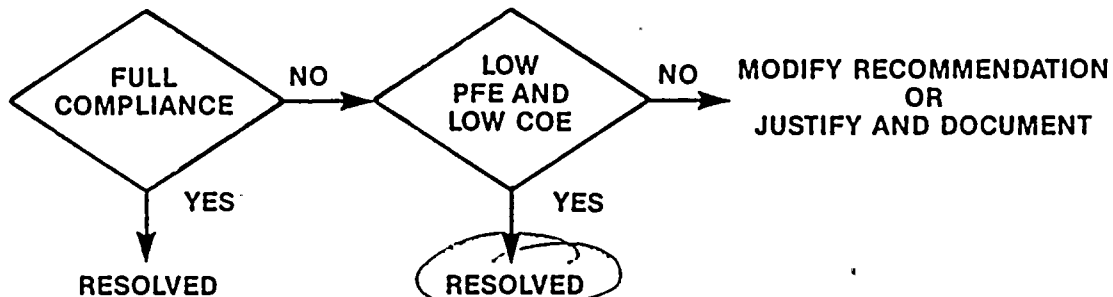
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION

These values are nominal guidelines, taken from set point documents. Operator is trained as to the acceptable region and as to when action should be taken. Zone coding will be applied on meters where applicable.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

11/1/86

1/1/986



CLO/HED# VI-32

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

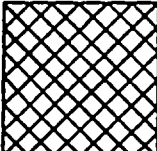
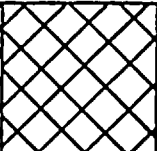
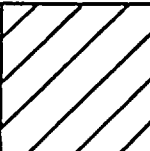
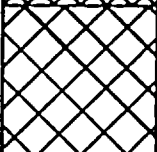
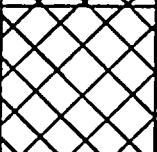
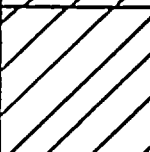
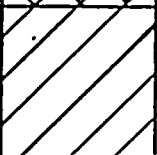
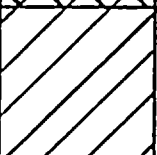

LOW

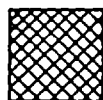
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



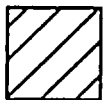
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# V1-32

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION



APPROVED



PARTIALLY APPROVED



NO ACTION



OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

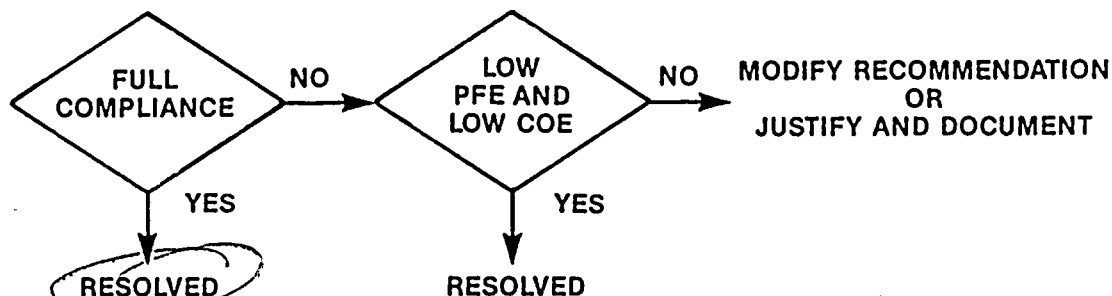
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION Procedure has been changed to eliminate this problem.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]

DATE

10/1/86AEPSC PROGRAM LEAD ENGINEER [Signature]

DATE

11/19/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

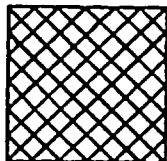
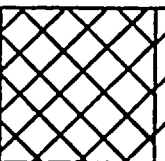

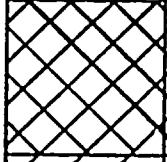
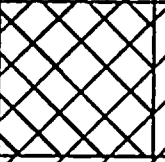




LOW

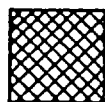
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

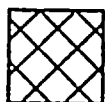
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



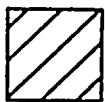
Category I --

High priority; corrective action should be taken.



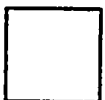
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED#

VI-33

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

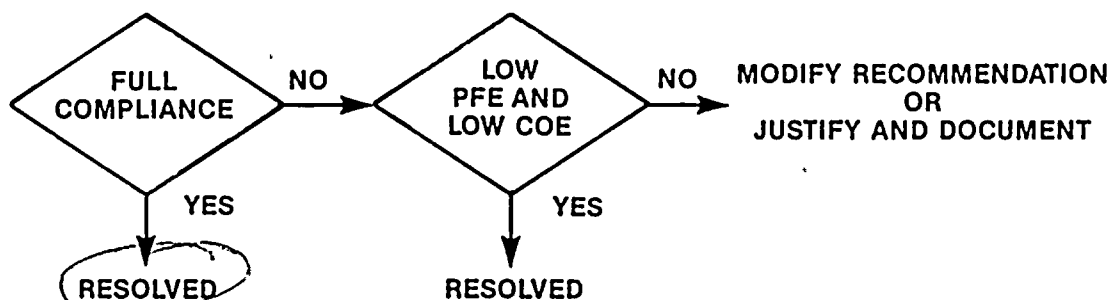
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

will add appropriate units on indicator.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE

10/12/86

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

11/1986

CLO/HED#

V1-34

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

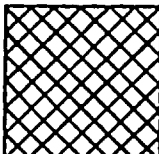
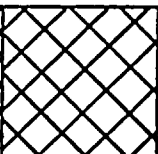
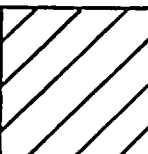
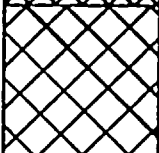
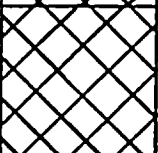
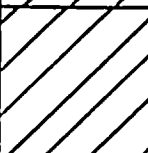
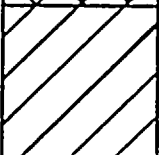
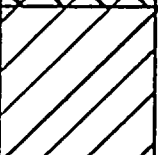

LOW

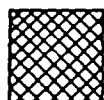
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



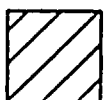
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

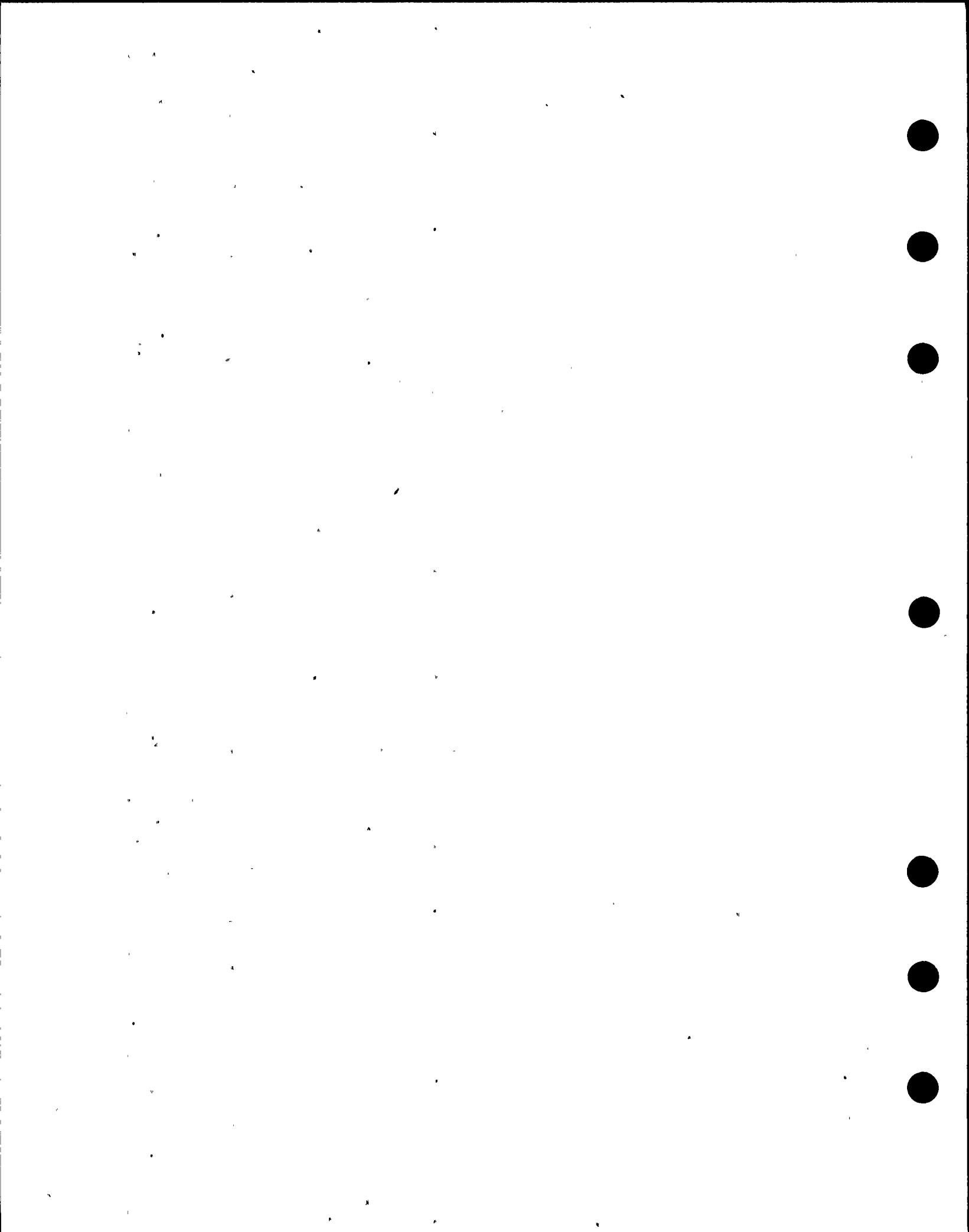


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# V1-34

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

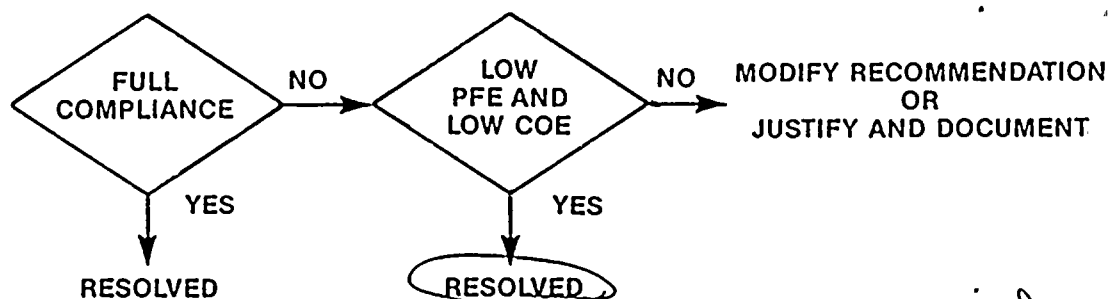
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION These values are nominal guidelines taken from setpoint documents. Operator is trained as to the acceptable region and as to when action should be taken. Zone coding will be applied on meters where applicable.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER RFSDATE 10/1/86DATE 11/1986

CLO/HED# VI-35

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

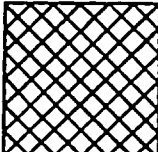
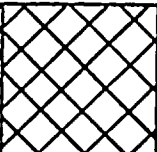
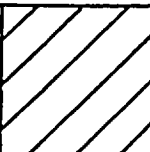
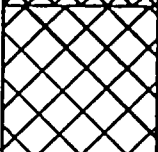
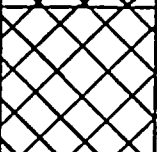
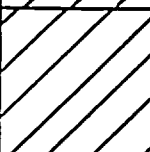
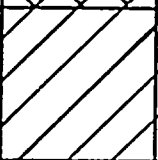
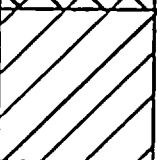

LOW

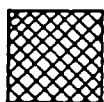
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

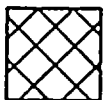
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

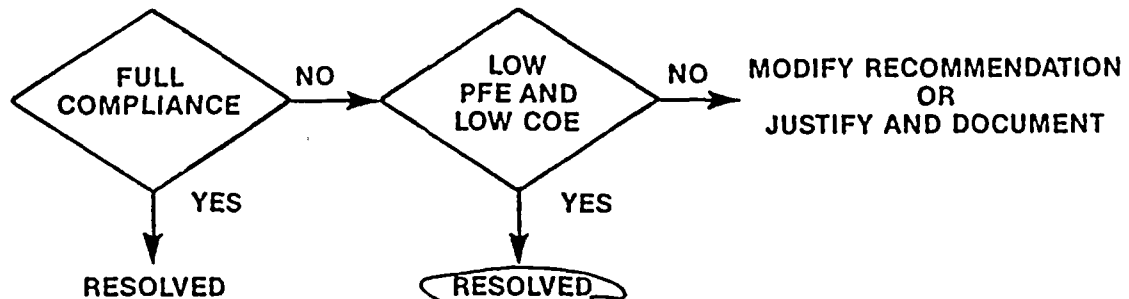
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION Indicators all have °F or
Deg F printed on scale. If scales are changed for
other reasons, then "Temp" will be added to noun name
and "DEG F" to scale portion

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 12/86AEPSC PROGRAM LEAD ENGINEER [Signature]DATE 1/1/986

CLO/HED# V1-36

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

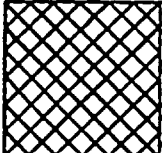
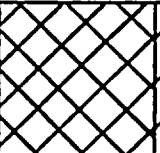

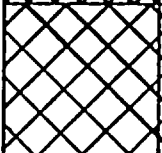
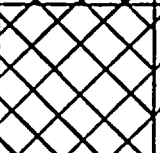

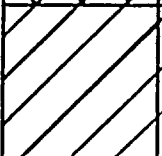
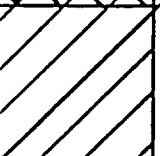

LOW

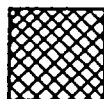
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



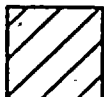
Category I --

High priority; corrective action should be taken.



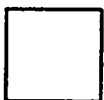
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# V1-36.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED

☐ PARTIALLY APPROVED

☒ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

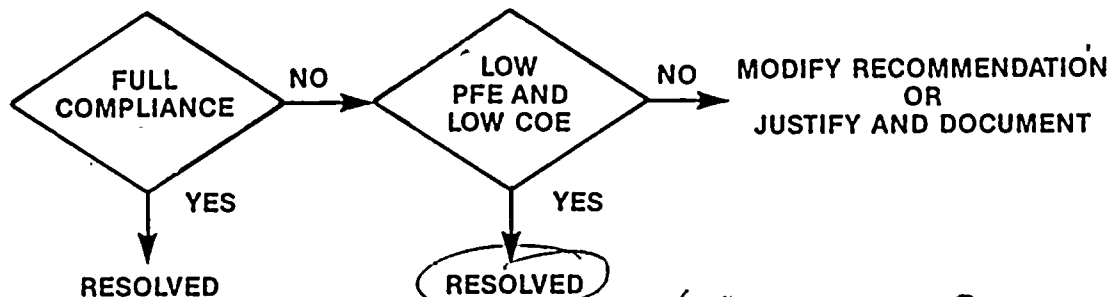
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

No action. 0-110% square root
scale adequate. 100% is normal reading. Trip occurs at
90%, there is no reason to read 40% or below.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER.

DATE 10/2/86

DATE 11/9/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

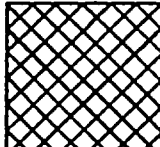
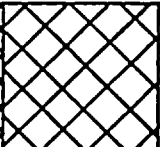
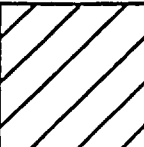
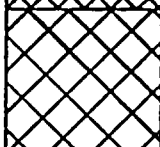

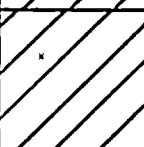
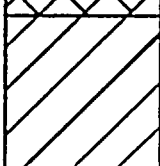
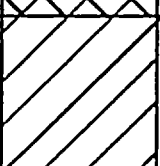

LOW

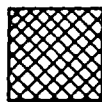
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



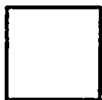
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY IV



CLO/HED#

VI-37.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

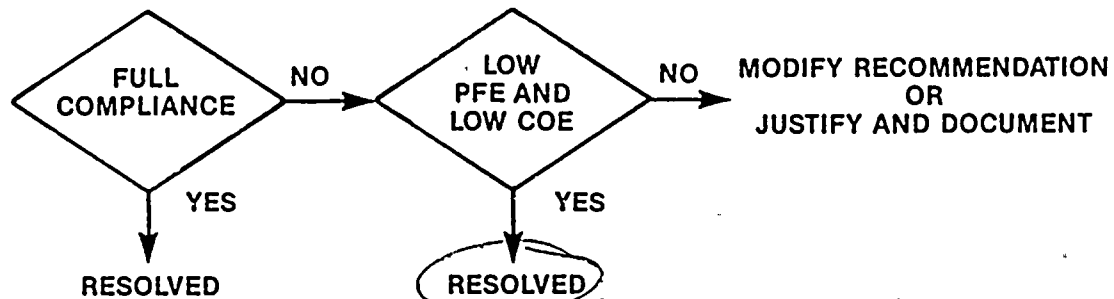
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION

No action. Specific readings below 6gpm are not required. The emergency response guidelines that the criteria table is based upon only requires readings of 6gpm and above.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

DATE _____

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE

11/9/86

CLO/HED# V1-38

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

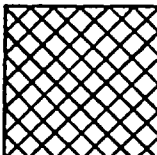
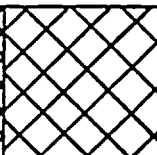
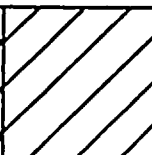
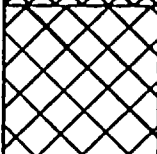
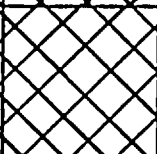
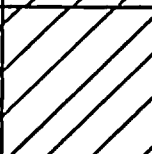
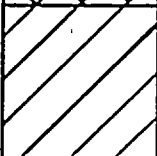
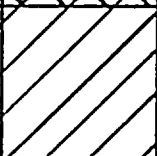
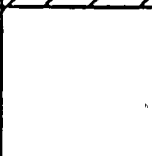
LOW

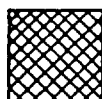
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# V1-38.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED

☐ PARTIALLY APPROVED

☒ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

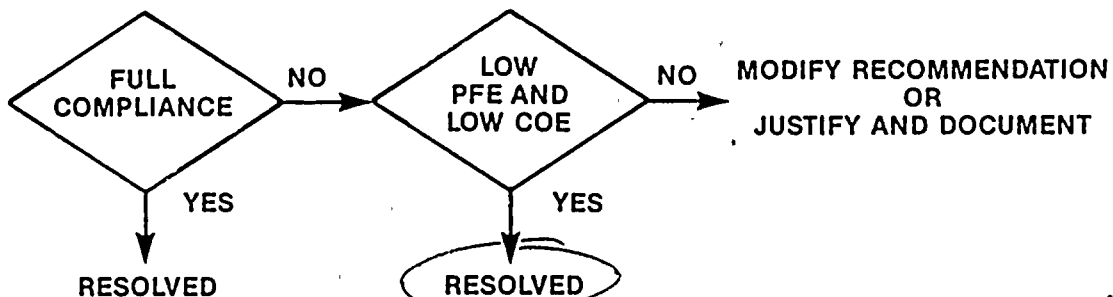
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION No action. The requirement is
to verify that letdown is in service, i.e., that there is
some flow. No specific value has to be read.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

DATE _____

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 11/19/86

CLO/HED# VI-39

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

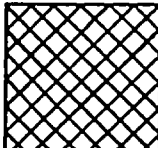
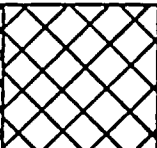
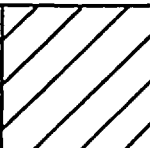
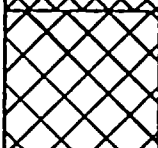

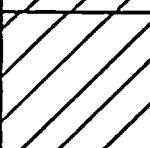
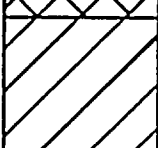
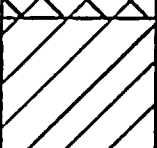

LOW

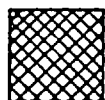
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# V1-39

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

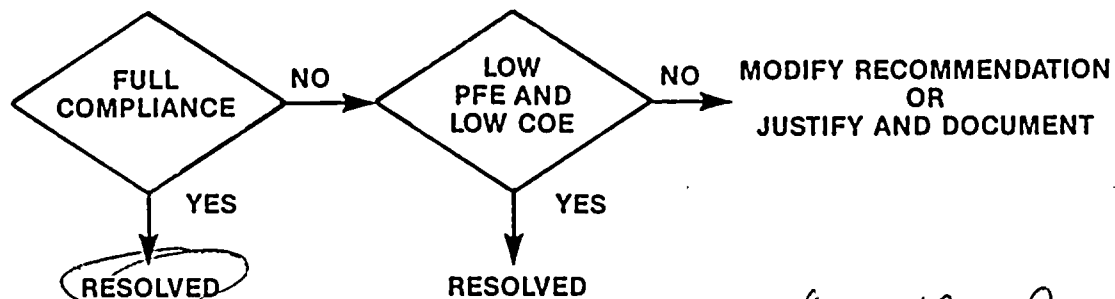
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Will correct spelling from "EXCES" TO "EXCESS".

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]

DATE 10/2/86

AEPSC PROGRAM LEAD ENGINEER RAS

DATE 11/19/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

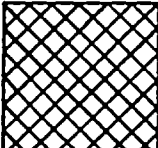
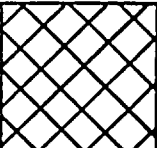
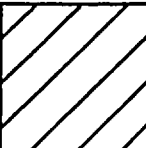
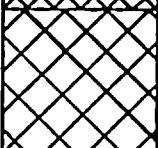

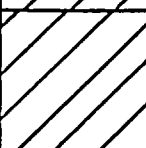

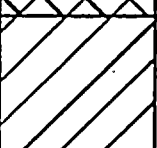
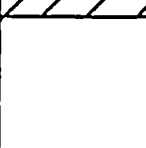
LOW

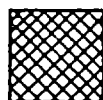
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

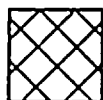
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



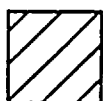
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# VI-40

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

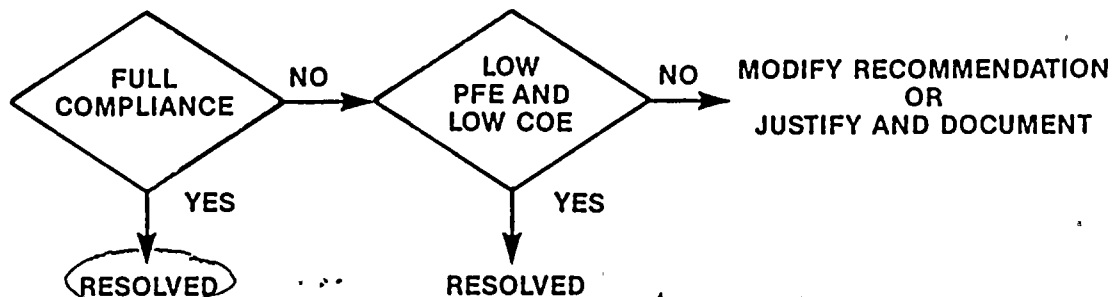
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Calibration stickers will be moved (covering part of markings). Operator aware of units from indicator mark number - PPI. Placement of calibration stickers by C & I technicians will be controlled by memo or training.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]DATE 10/1/86

AEPSC PROGRAM LEAD ENGINEER

RASDATE 1/1/986



ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

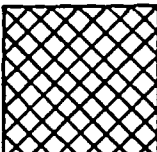
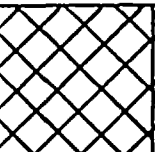

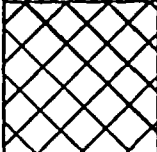


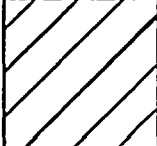
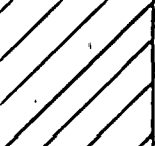

LOW

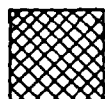
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



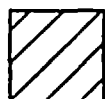
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED#

vi-41.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

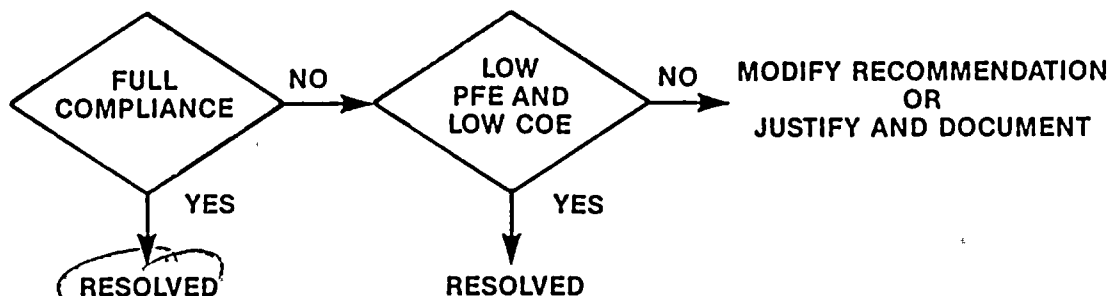
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Labeling will be changed (IST vs. SIG) in scale modification program.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE

10/2/86

AEPSC PROGRAM LEAD ENGINEER

RAS

DATE

11/19/86

CLO/HED# ✓ 1-42

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

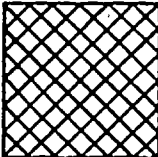
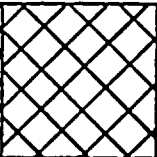
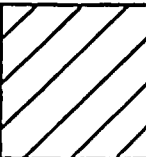
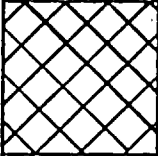

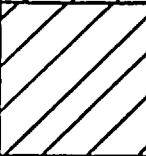
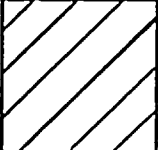


LOW

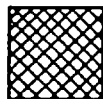
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



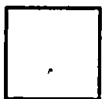
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II

CLO/HED# V1-42

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

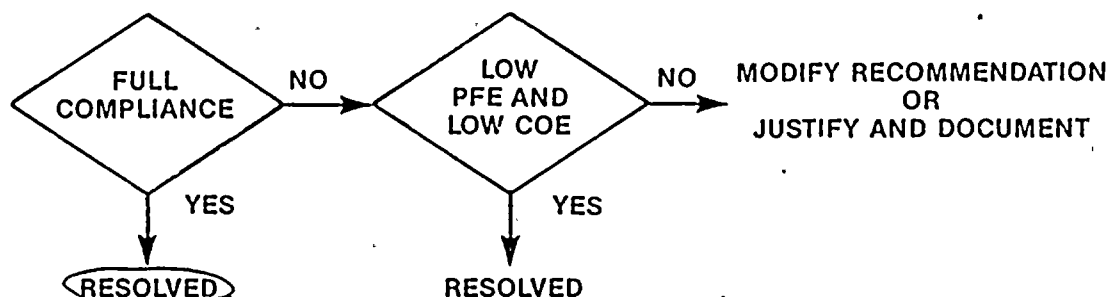
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Consideration is being given to
adding an SG pressure recording (see V1-16) this
would make possible determining safety valve opening
points.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER _____

DATE 10/2/86DATE 11/9/86



ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

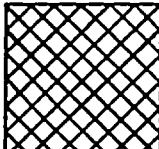
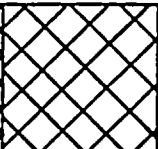
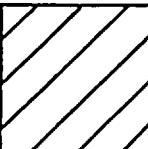
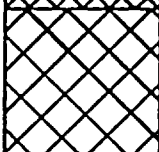
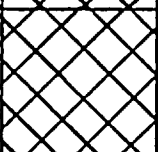
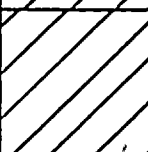
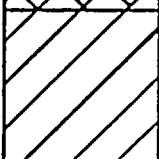
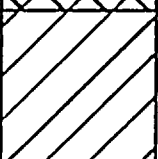

LOW

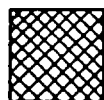
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



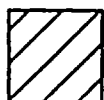
Category I --

High priority; corrective action should be taken.



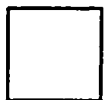
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# VL-43

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

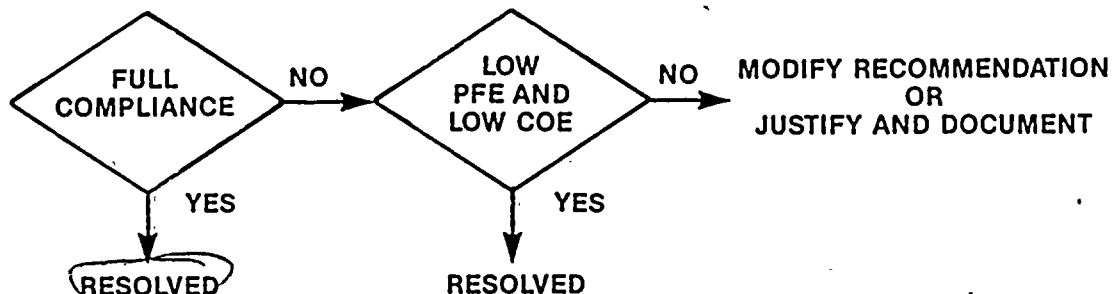
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Will add PPH to scales

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 10/2/86

AEPSC PROGRAM LEAD ENGINEER

RFS

DATE 11/9/86

CLO/HED# VI-44

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

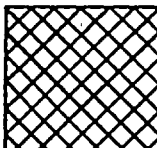
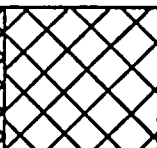
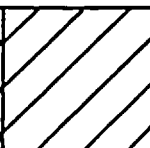
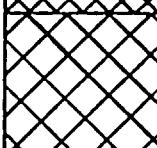

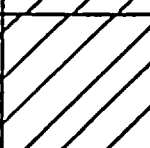
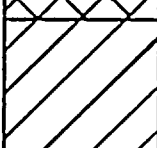
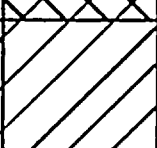
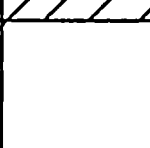
LOW

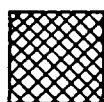
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



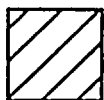
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# V1-44

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

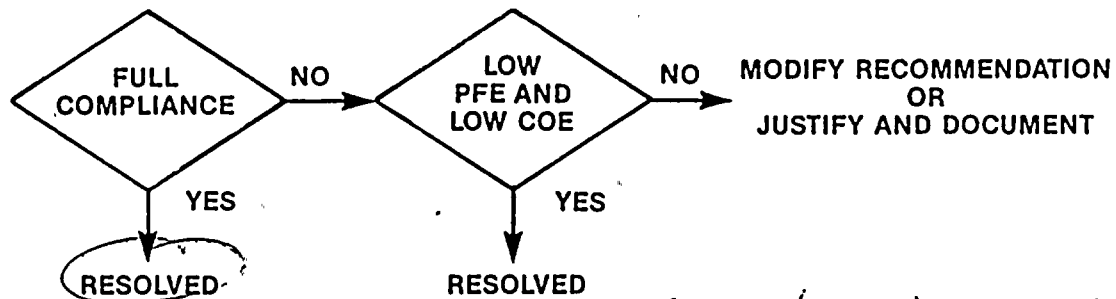
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Will fix scale markings conform to NUREG-0700 recommendations.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/2/861/1/986

CLO/HED# V1-45

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

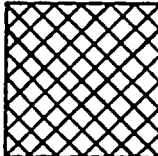
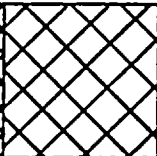
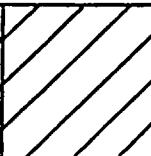
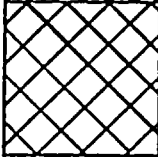
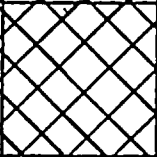
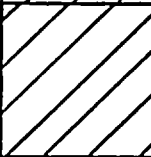



LOW

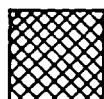
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



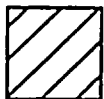
Category I --

High priority; corrective action should be taken.



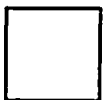
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED#

V1-45

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

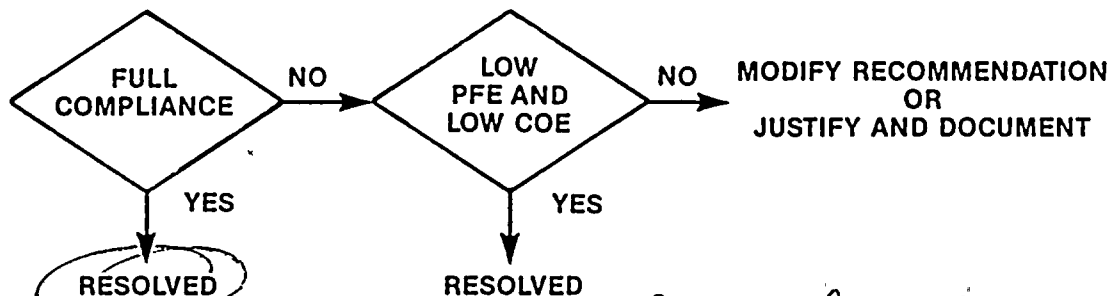
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

will fix scale markings to
conform with NUREG-0700 recommendations

SIGNOFF

H.F. CONSULTANT (ESSEX)

DATE

10/2/86

AEPSC PROGRAM LEAD ENGINEER

DATE

11/19/86



CLO/HED# V1-46

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

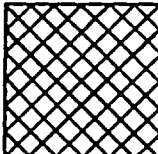
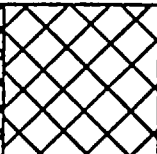
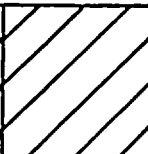
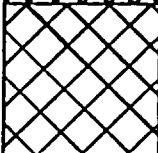
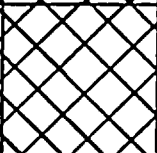
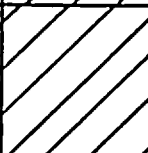
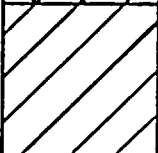
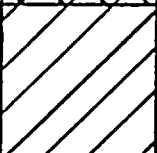

LOW

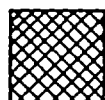
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



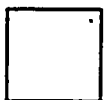
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# VL-46

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

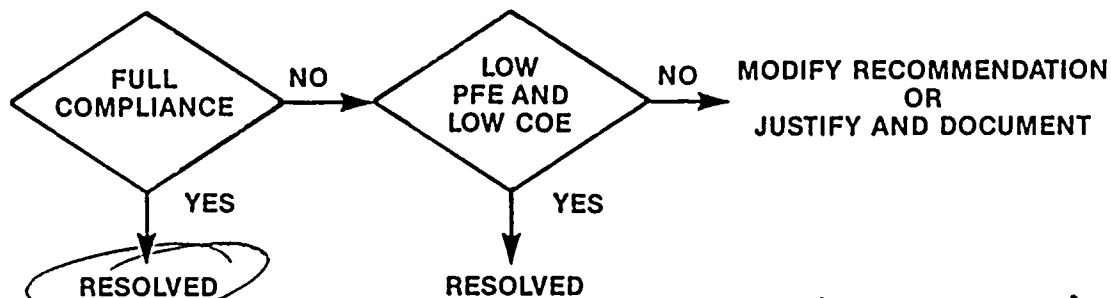
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Rearrangement of ammunition group is under review

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

10/2/86

DATE

11/1986



CLO/HED# ✓1-47

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

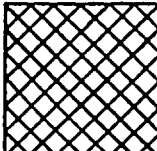
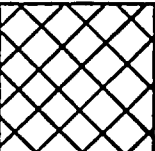

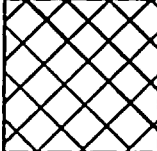
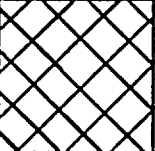




LOW

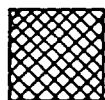
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



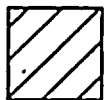
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# V1-47.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

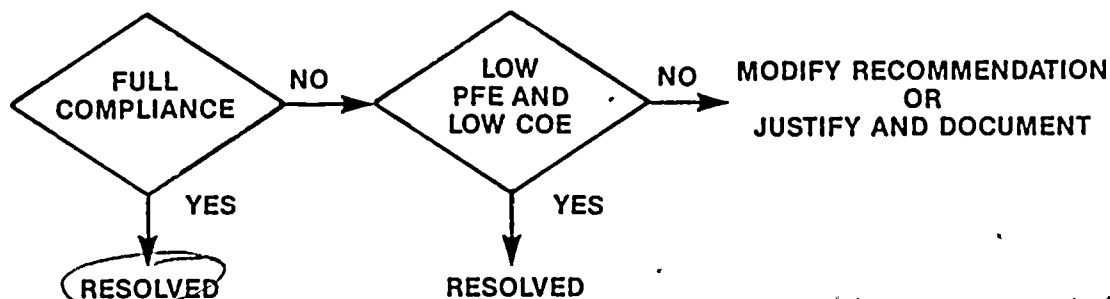
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION New recorders have been installed on Unit 1 with range of 200-2300 °F. Will be installed on Unit 2 during 10 year outage. In meantime can read 7700°F on process computer.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/1/86

11/19/86

CLO/HED# 11-48.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☒ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

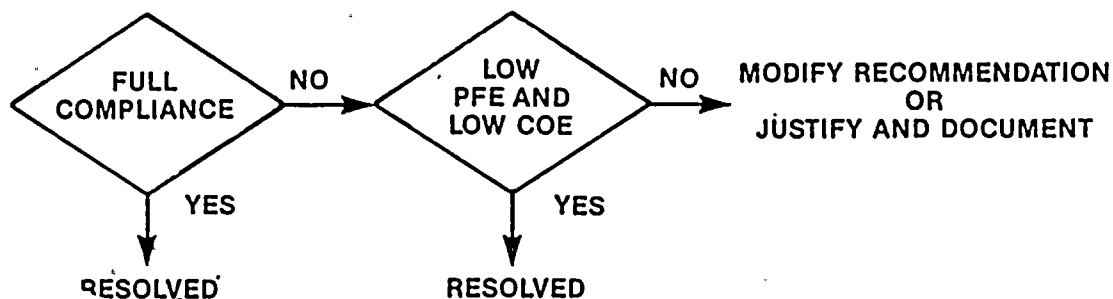
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Not an HED. CLO in error. Actual resolution needed is 2.5; scale graduation marks are 5.

SIGNOFF

H.F. CONSULTANT (ESSEX) T. Jones

DATE 10/2/86

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 11/9/86

CLO/HED#

J1-49

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

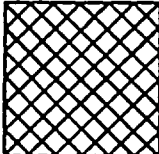
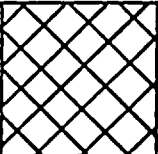
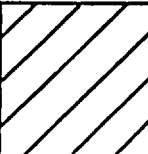
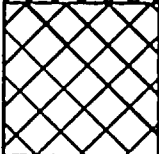
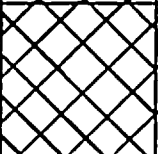

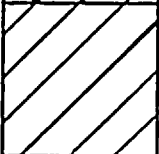
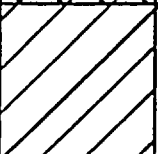

LOW

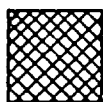
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



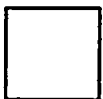
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED#

V1-49.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

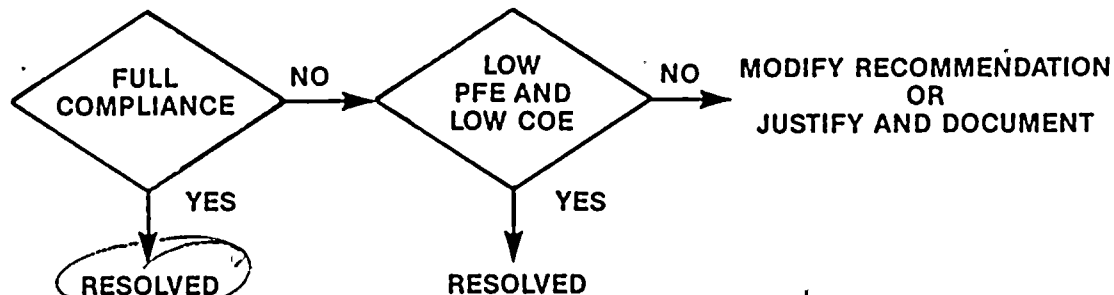
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Will correct; i.e. change "Flow"
to "FLOW"

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/2/86

11/9/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

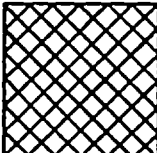
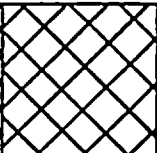
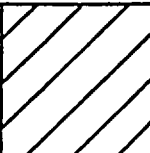

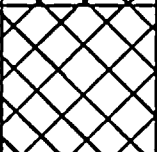
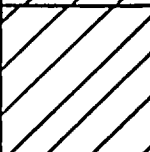
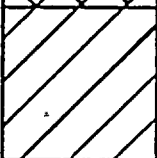
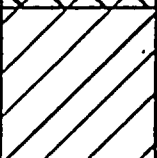

LOW

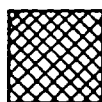
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# VL-50.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

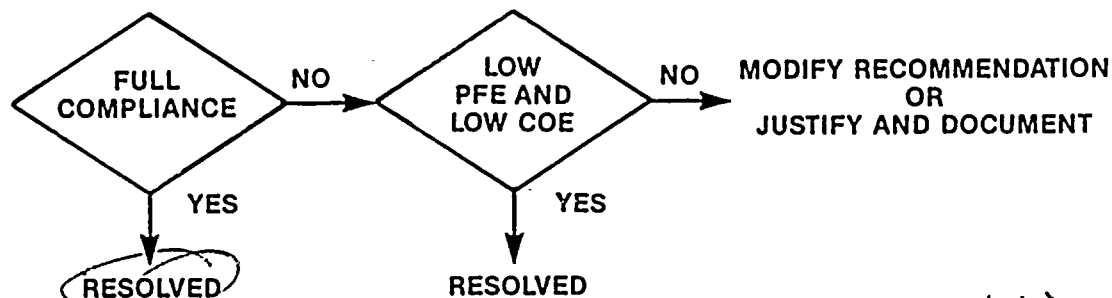
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Are reviewing recorder labeling and will fix as appropriate; i.e., add labeling units.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/2/86

11/9/86

CLO/HED# V1-51

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

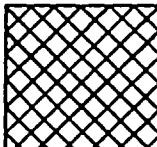
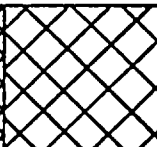
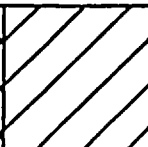
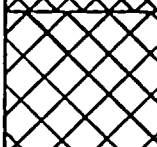

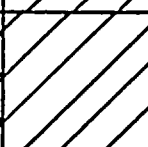
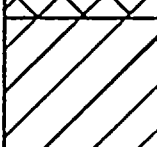
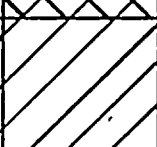
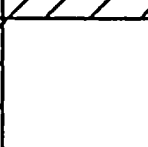
LOW

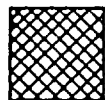
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



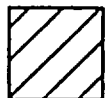
Category I --

High priority; corrective action should be taken.



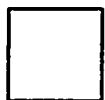
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED#

✓1-51.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

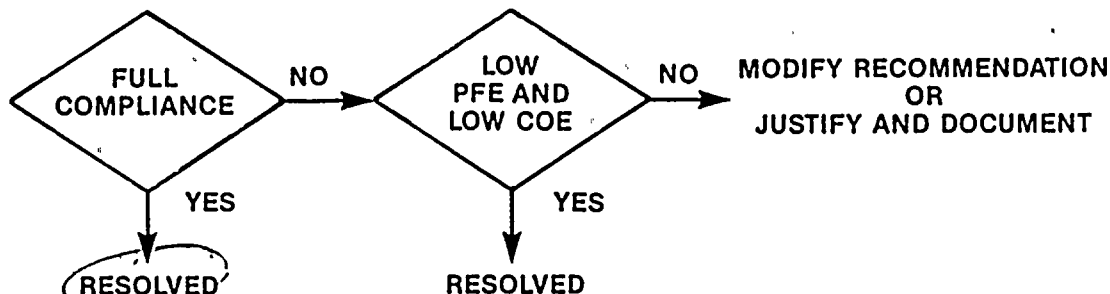
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION will fix; i.e. label narrow range indicators "NR"

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER RFSDATE 10/2/86DATE 11/986

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

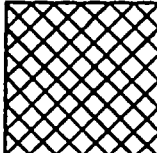
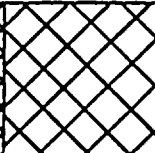
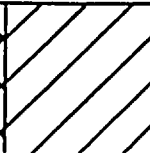
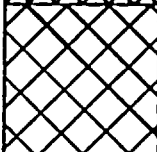
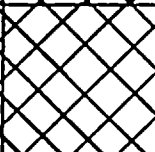

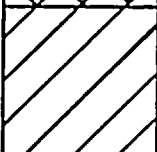
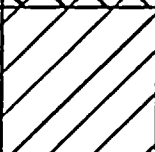

LOW

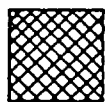
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



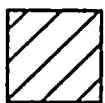
Category I --

High priority; corrective action should be taken.



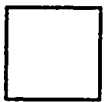
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED#

V1-52

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

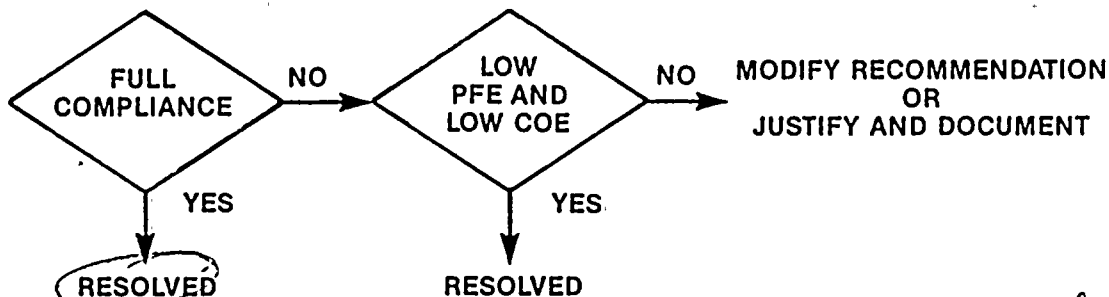
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Will control sticker placement (See
CLO V1-40) by memo or training.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

10/2/86

DATE

11/9/86

CLO/HED# VL-53

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

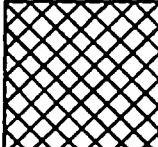
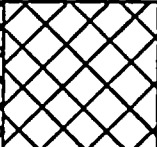
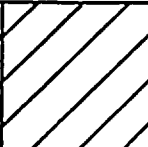
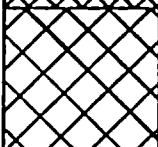

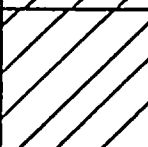

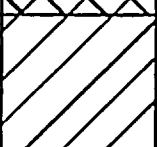

LOW

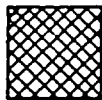
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



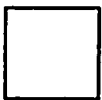
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# V1-53.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

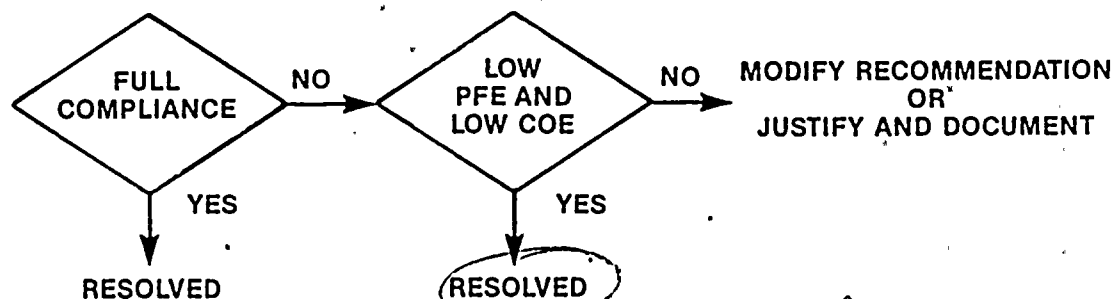
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Rearrangement of this panel (S6)
is under review.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/2/86

DATE 11/1986



CLO/HED# VI-54

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

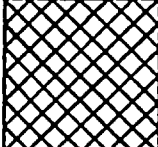
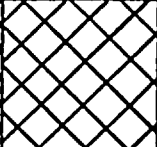
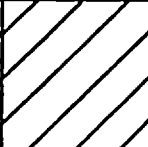
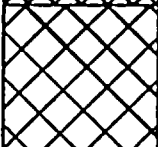
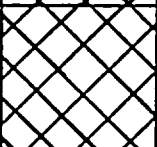




LOW

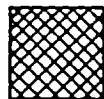
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



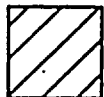
Category I --

High priority; corrective action should be taken.



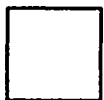
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# V1-54.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED

☐ PARTIALLY APPROVED

☒ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

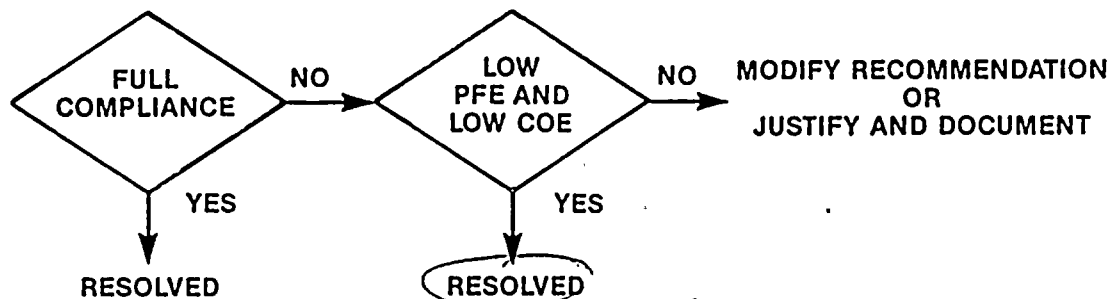
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION No action. Maximum possible pump pressure is 1530 psig. Any reading above 1207 psig indicates that appropriate flow is not being delivered to steam generators.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 10/8/86

DATE 1/1/986



CLO/HED# VL-55

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

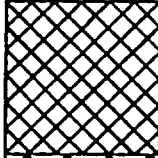
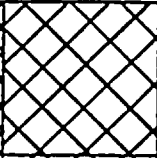
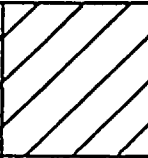
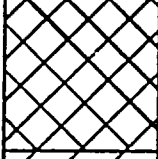
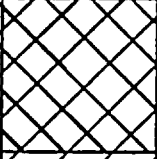
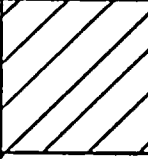



LOW

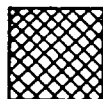
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



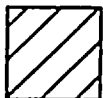
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# V1-55

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

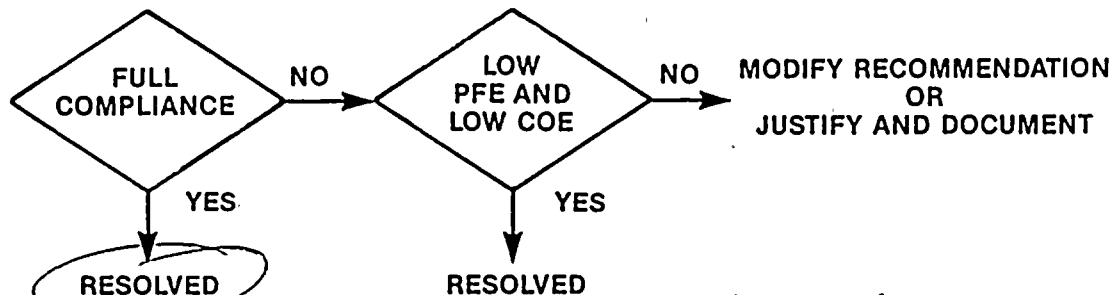
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Scals will be changed to
comply with NUREG-0700 recommendations.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]

DATE 10/2/86

AEPSC PROGRAM LEAD ENGINEER [Signature]

DATE 11/1986

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

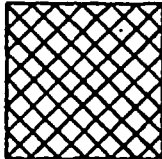
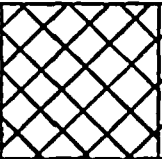

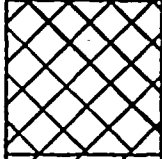
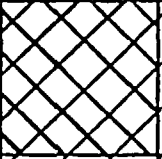

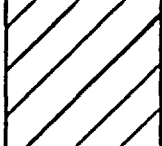


LOW

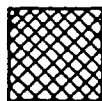
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



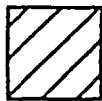
Category I --

High priority; corrective action should be taken.



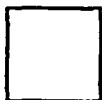
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED#

VL-56

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

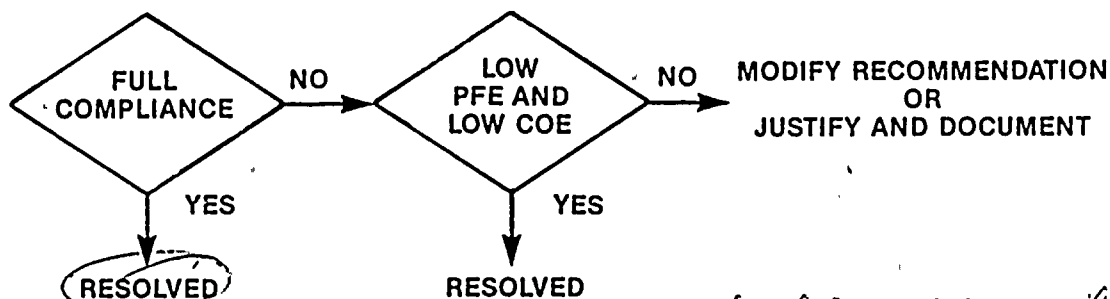
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Backup heating boiler no longer
used; ~~part~~ procedure to be modified to eliminate
reference to component.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/2/861/1/986

CLO/HED#

VI-57

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

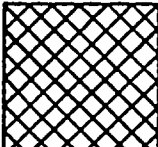
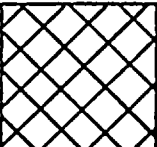
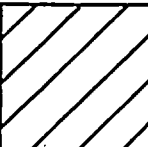

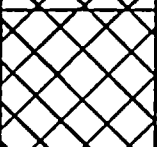
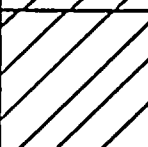
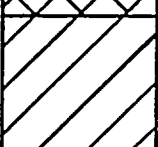
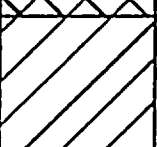
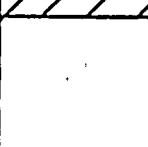
LOW

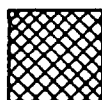
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



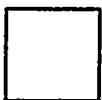
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# VL-57.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____

DISPOSITION

- ☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

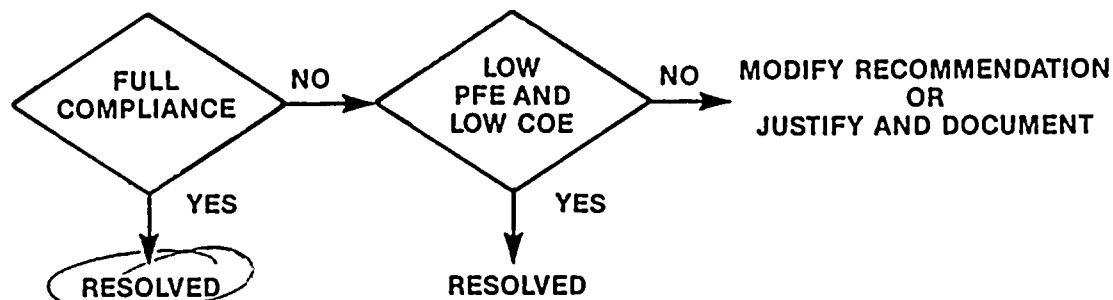
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

(will modify position labeling to "Unblock - block")

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/2/86
11/19/86

CLO/HED#

VL-58

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

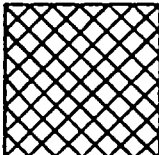
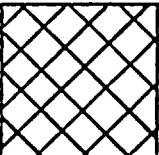
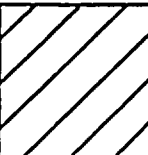
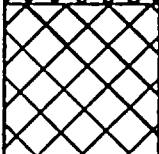
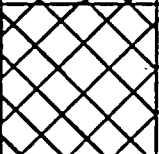
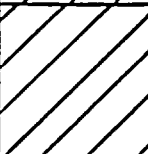
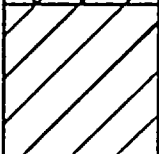
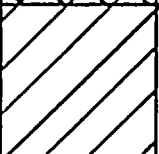

LOW

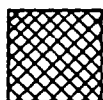
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



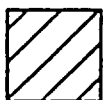
Category I --

High priority; corrective action should be taken.



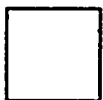
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# VI-58

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

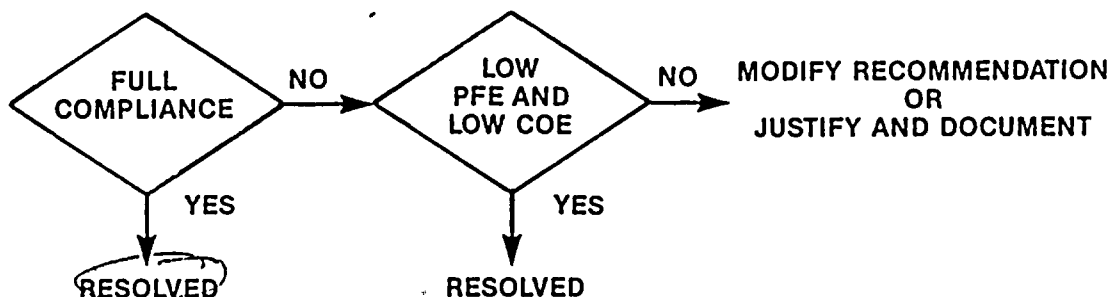
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Will fix. All are labeled by Safety
Train at bottom of panel (Train A or B) except for
FLX panel. These will have tape added below the NSO valve
switches.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER _____

DATE 10/2/86

DATE 11/19/86

CLO/HED# V1-59

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

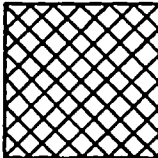
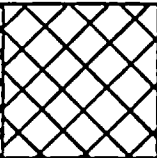
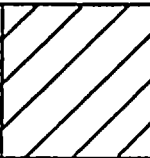
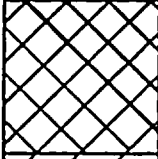
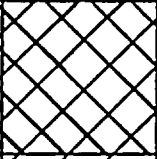
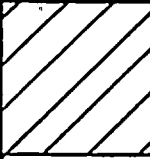



LOW

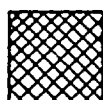
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

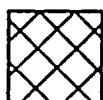
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# VL-59

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

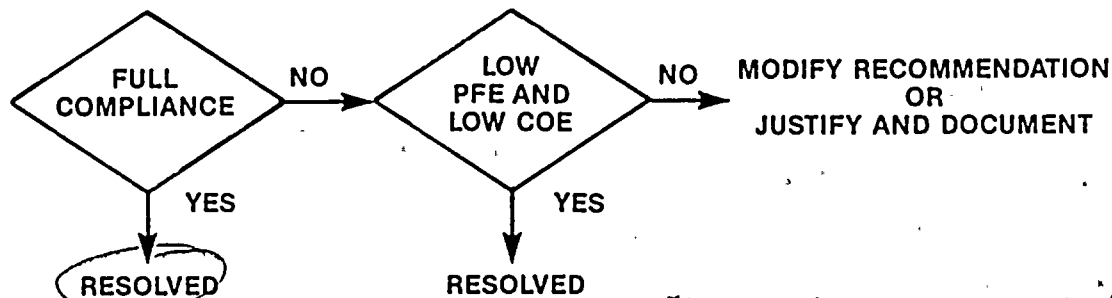
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

will change labeling so that
abbreviations are consistent.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/28/86
11/19/86



CLO/HED#

V1-60

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

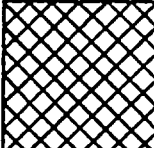
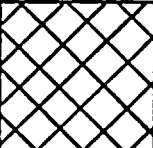

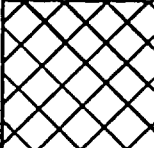


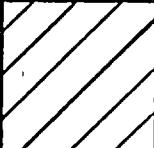


LOW

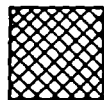
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



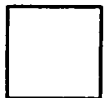
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 11-60

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED

☒ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

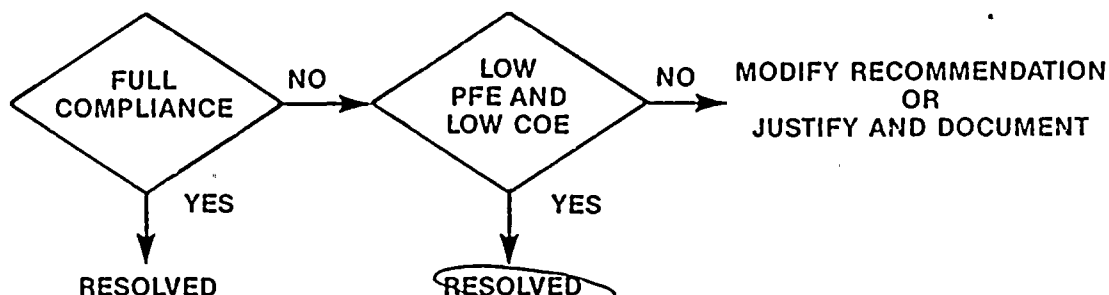
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION ① Status light not required for sump pumps to verify that flow is isolated. However considering change to pump running recorder for leak monitoring ② Reviewed change for control of plant lighting transformer and determined it was not feasible ③ Have annunciator for fans. See CLO V2-22.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER _____

DATE 10/2/86

DATE 11/1986

CLO/HED# V(-61

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

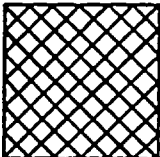
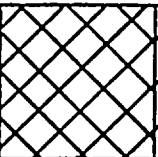

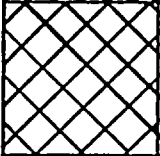
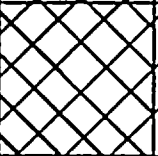

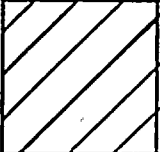
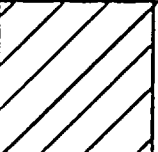
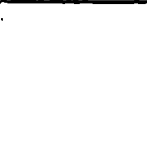
LOW

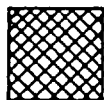
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



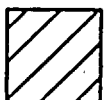
Category I --

High priority; corrective action should be taken.



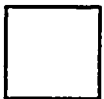
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# N1-61

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

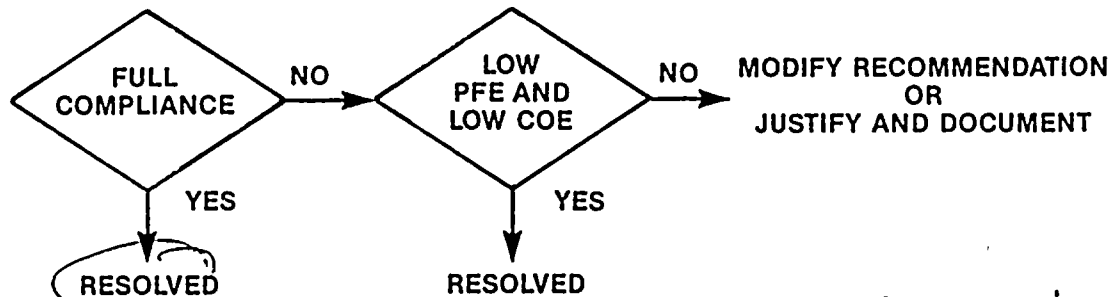
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

The EOP's have been revised to
match switch position labeling and will be maintained as
such

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/2/86

DATE 11/1986

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

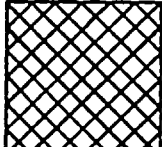
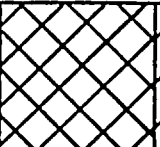

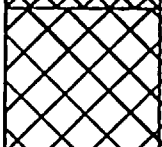
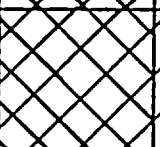

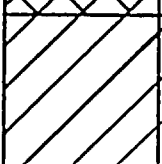
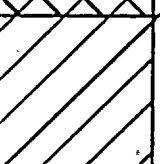

LOW

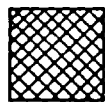
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



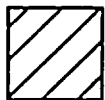
Category I --

High priority; corrective action should be taken.



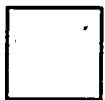
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# V1-62.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION



APPROVED



PARTIALLY APPROVED



NO ACTION



OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

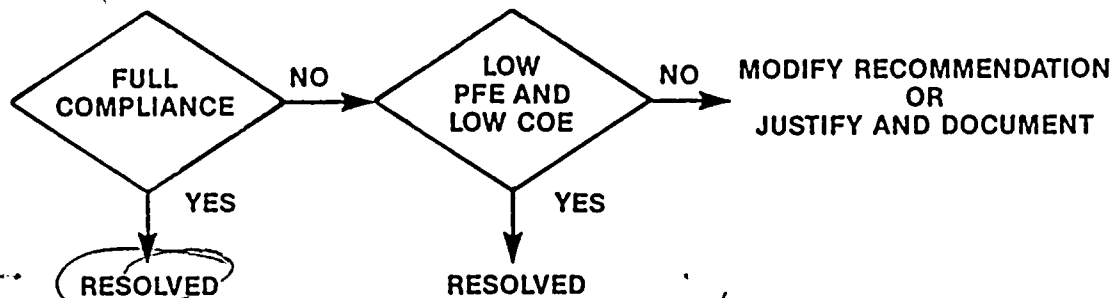
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

The EOP's have been revised
to agree with state position labeling and will be
maintained as such.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]

DATE

10/2/86

AEPSC PROGRAM LEAD ENGINEER [Signature]

DATE

11/1986

CLO/HED# V1-63

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

Consequence Of Error

High

Medium

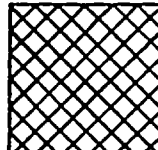
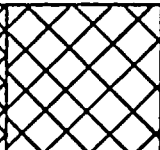
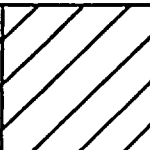
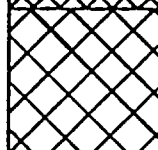
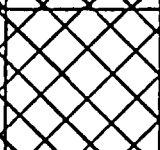
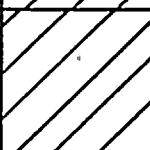
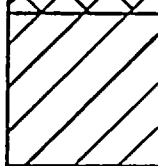
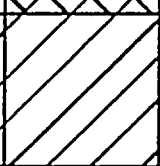

Low

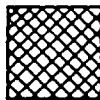
High

Medium

Low

Potential For Error



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# v1-63.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

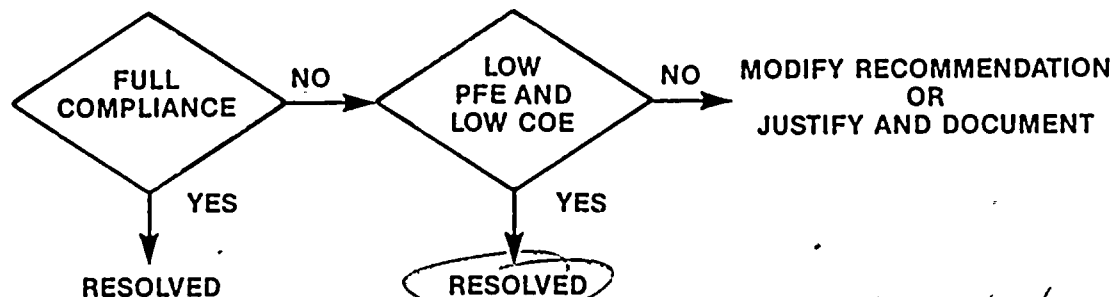
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Will change add labels to white letters on black.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/2/86

11/1986

CLO/HED# 01-64

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

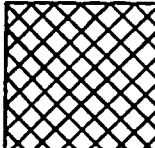
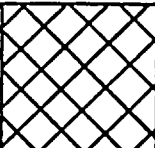
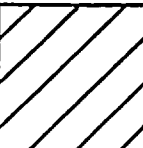
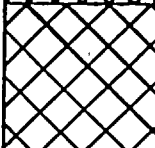
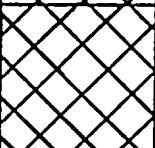

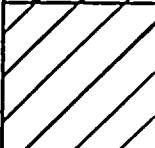
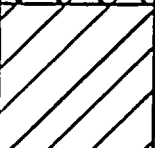

LOW

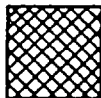
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# VL-64.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED

☐ PARTIALLY APPROVED

☒ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

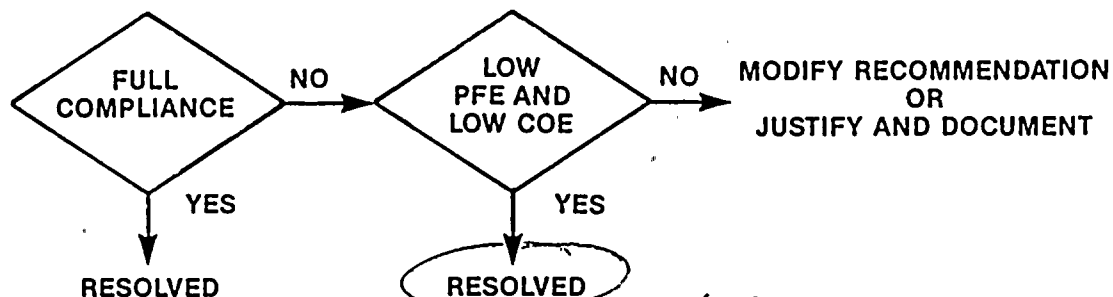
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

No action. Rearranging
switches would result in partial mirror imaging and
result in negative transfer of training.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/2/86

DATE 11/9/86



CLO/HED# VI-65

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

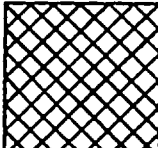
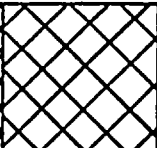
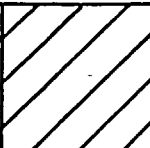
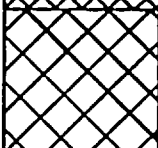


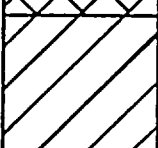
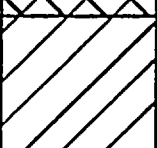

LOW

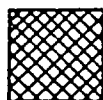
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



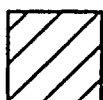
Category I --

High priority; corrective action should be taken.



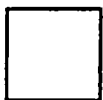
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

CLO/HED# V1-65

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

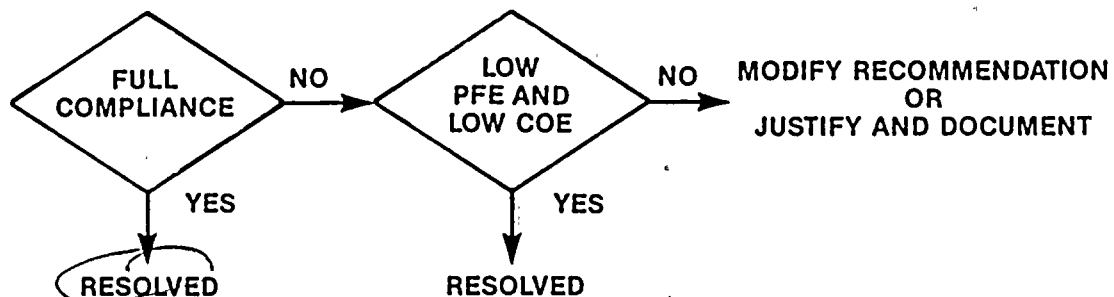
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION These switches are being reviewed for rearrangement.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER _____

DATE 10/2/86

DATE 11/1986

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

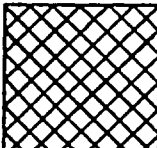
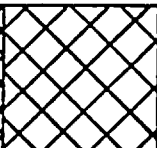
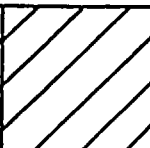
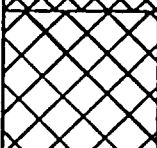

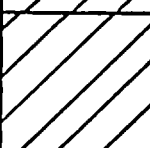

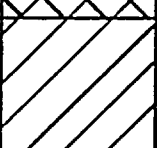

LOW

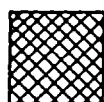
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



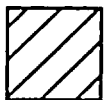
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# V1-66.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

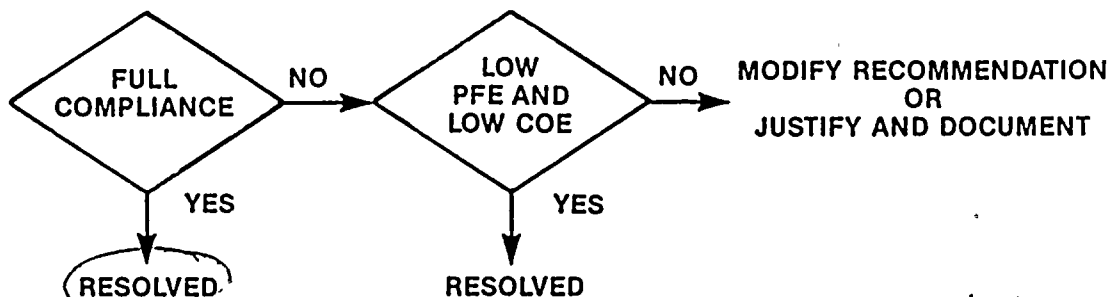
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Labels will be corrected to
conform with NUREG-0700 recommendations.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER _____

DATE 10/2/86

DATE 11/19/86

CLO/HED#

VI-67

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

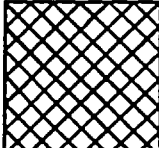
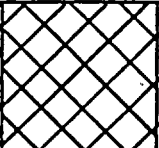
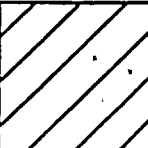
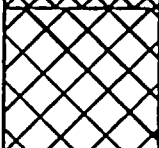

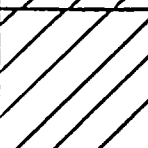

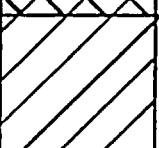

LOW

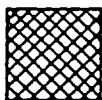
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



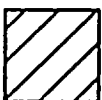
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

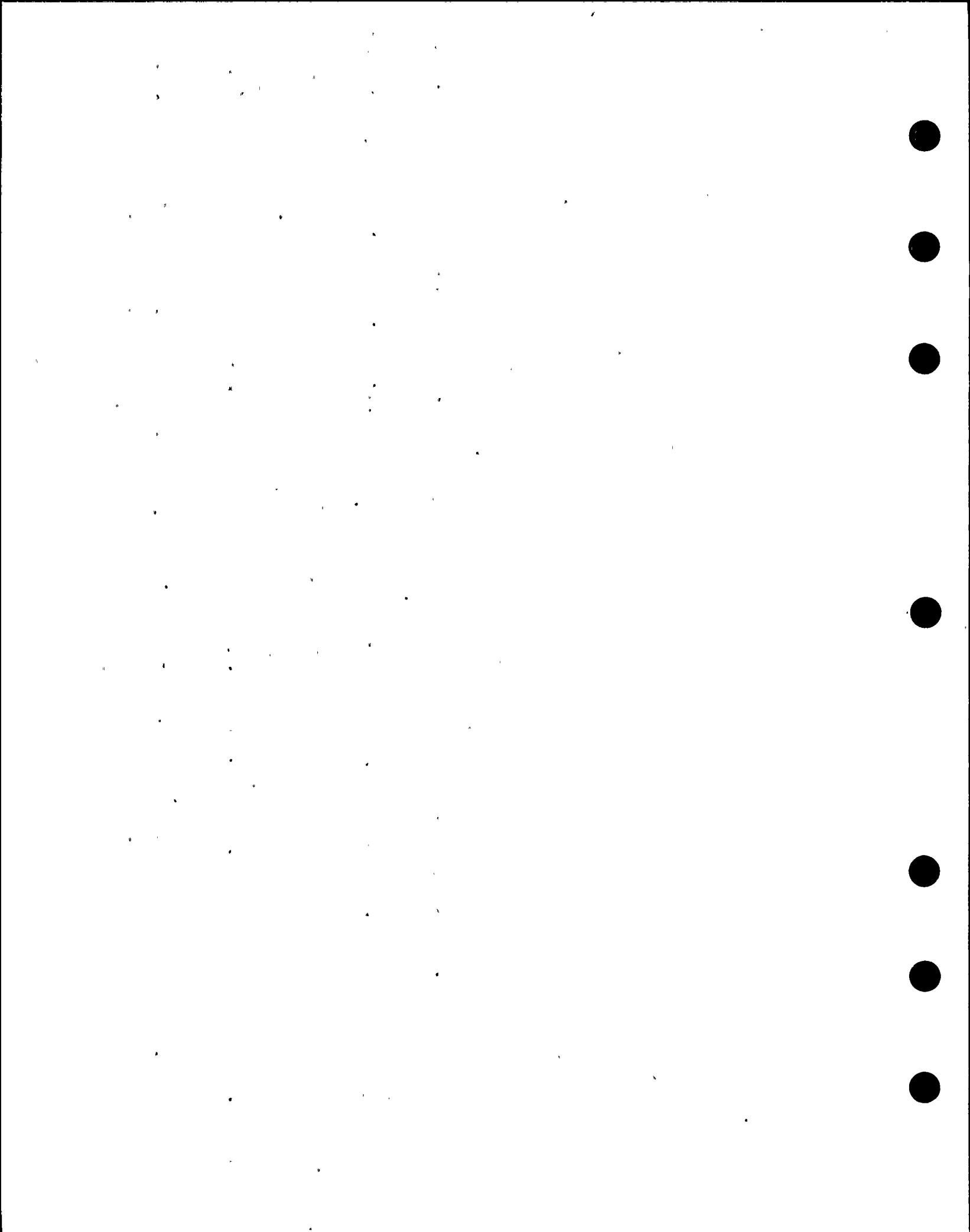


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# V1-67.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

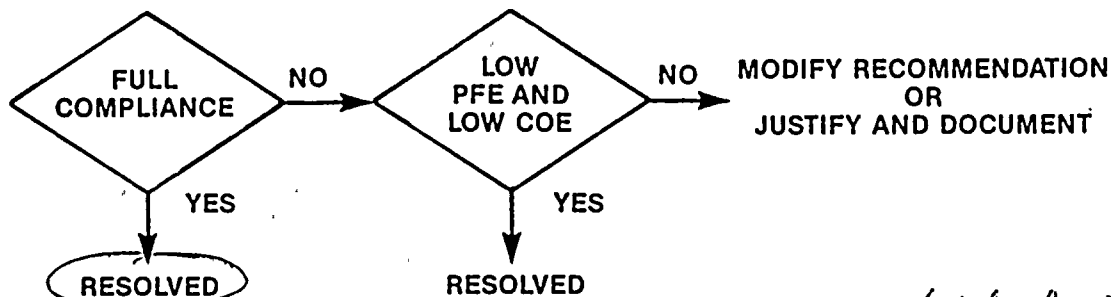
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Labels will be corrected to have
same size lettering

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]

DATE 10/1/86

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 11/19/86

CLO/HED# V1-68

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

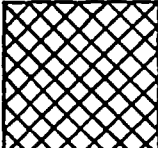

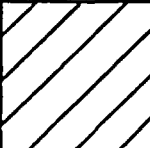
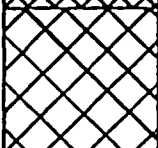

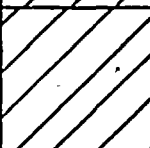
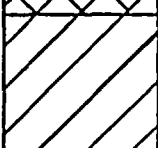
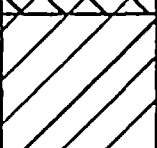
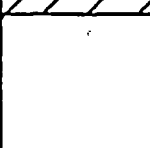
LOW

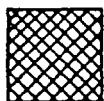
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# V1-CA8

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

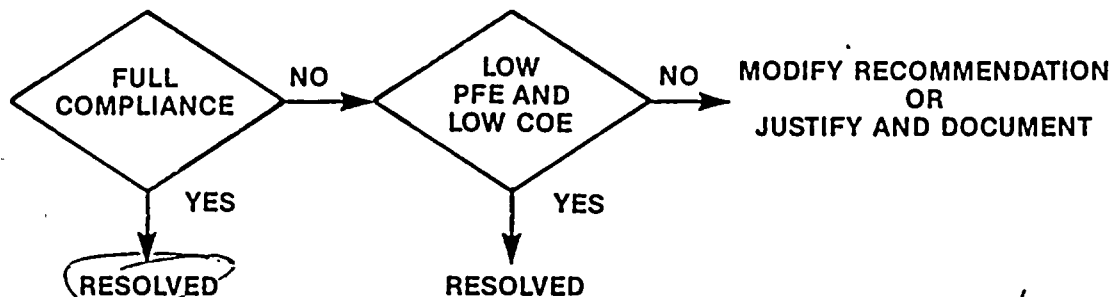
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES	NO	<u>YES</u>	
POTENTIAL FOR ERROR (PFE)	HIGH	MEDIUM	LOW
CONSEQUENCE OF ERROR (COE)	HIGH	MEDIUM	LOW



EXPLANATION OR JUSTIFICATION Will change switches to be consistent, i.e. so that switches are all the same type.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER RAS

DATE 10/2/86

DATE 11/1986

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

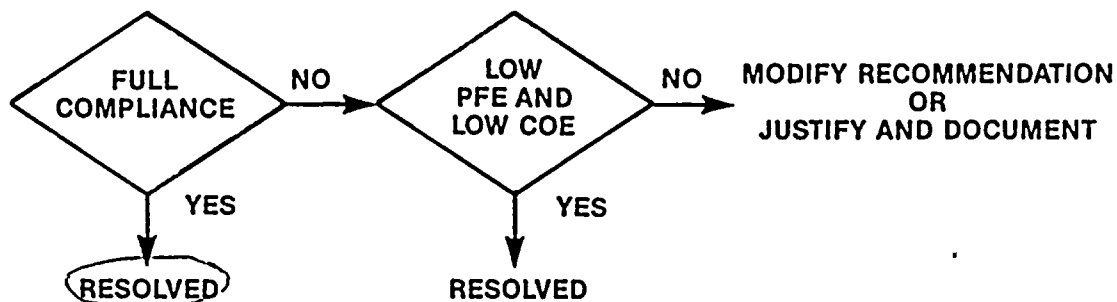
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION AEPSC has initiated a labeling, demarcation, and mimic study. The study will include relabeling of components, hierarchical labels, addition of demarcation lines, and corrections to mimics. The present discrepancy is being included as part of the study. ^{electrical} mimic line and mimic labeling will be corrected.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

DATE 10/6/86

AEPSC PROGRAM LEAD ENGINEER _____

DATE 11/19/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

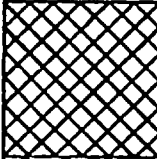
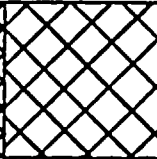
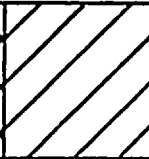
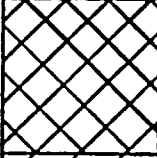
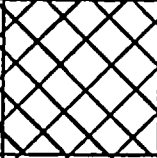
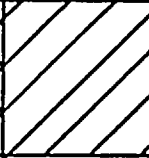
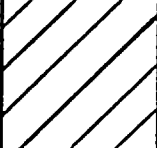


LOW

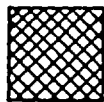
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



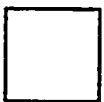
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY II

CLO/HED# V2-2

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

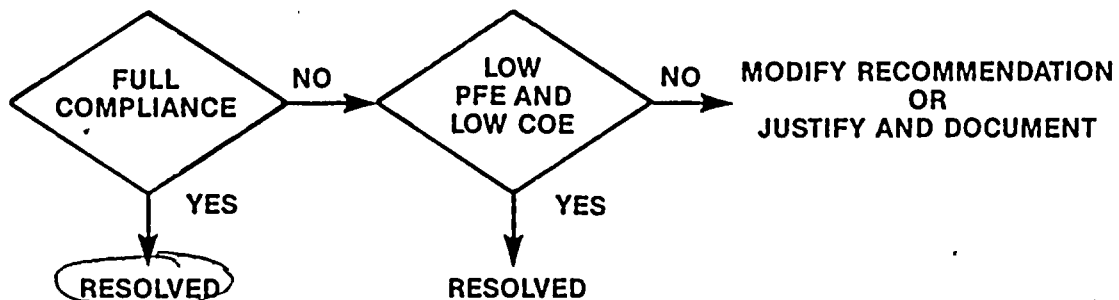
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION label will be added as part of
labeling enhancement project.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER _____

DATE 10/2/86

DATE 11/9/86



ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

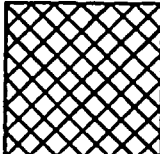
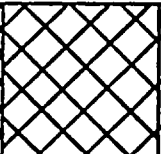

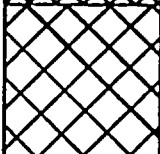
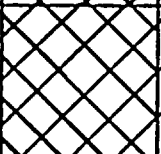

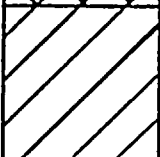
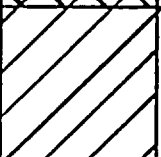

LOW

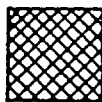
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

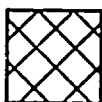
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



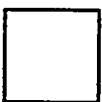
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III



CLO/HED# V2-3 .

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☒ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

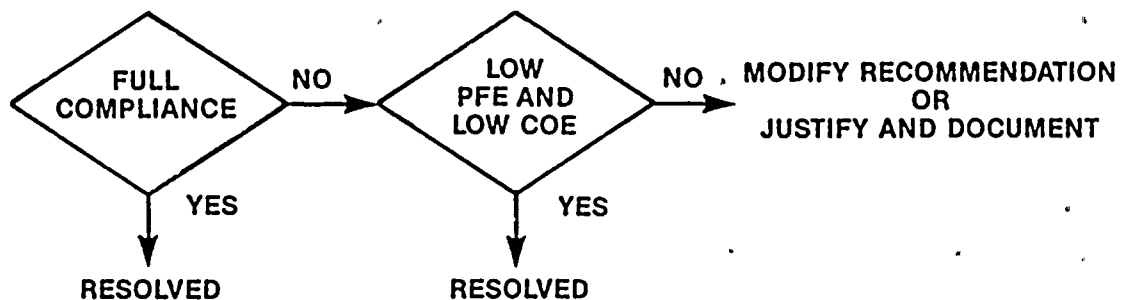
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Superseded by CLO-V1-26.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

DATE 10/2/86

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 11/19/86



ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

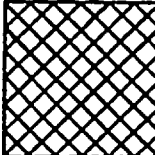
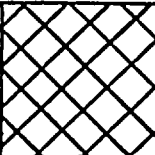
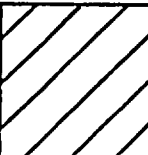
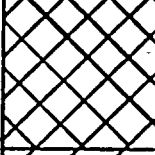
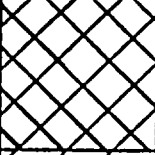
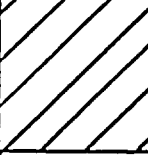



LOW

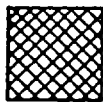
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



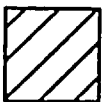
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

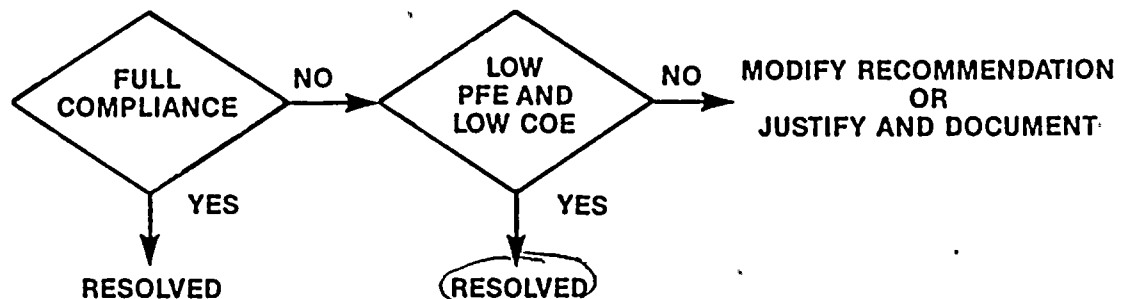
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION The 3 instruments located together
have related functions (control channels); the other is
protection channel only; i.e. separated for a purpose.
No action planned.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER _____

DATE 10/2/86DATE 1/1/986

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

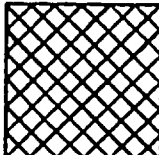
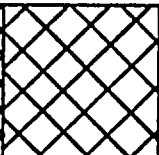
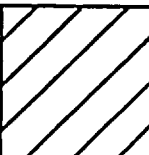
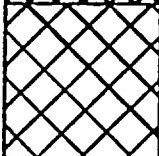
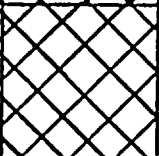
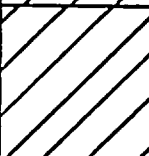
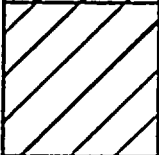
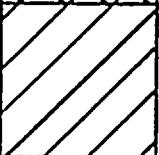

LOW

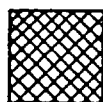
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

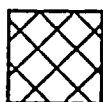
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



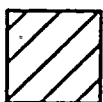
Category I --

High priority; corrective action should be taken.



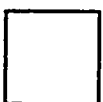
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

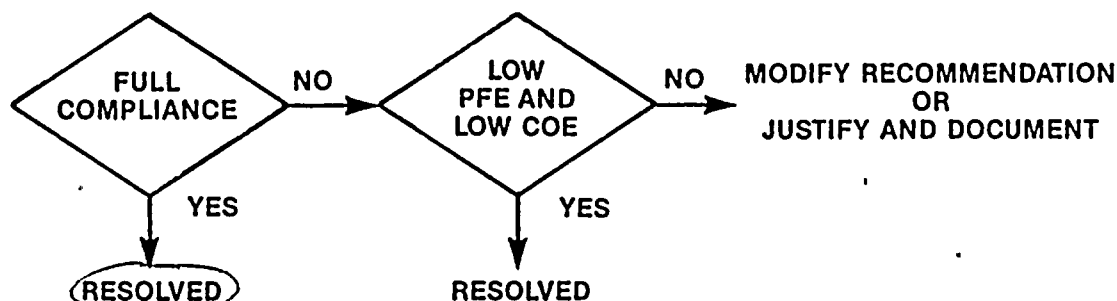
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Panel layout is under review
with intent of relocating containment pressure controls. Panel
will be renamed as part of label enhancement program.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

DATE 10/2/86

AEPSC PROGRAM LEAD ENGINEER _____

DATE 11/9/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

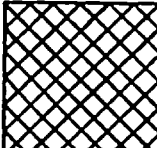
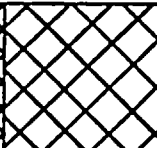
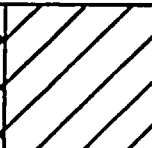
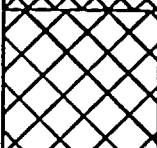

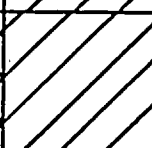

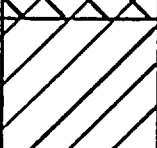
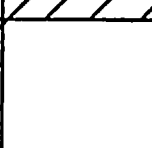
LOW

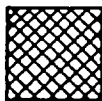
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# √2-6.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

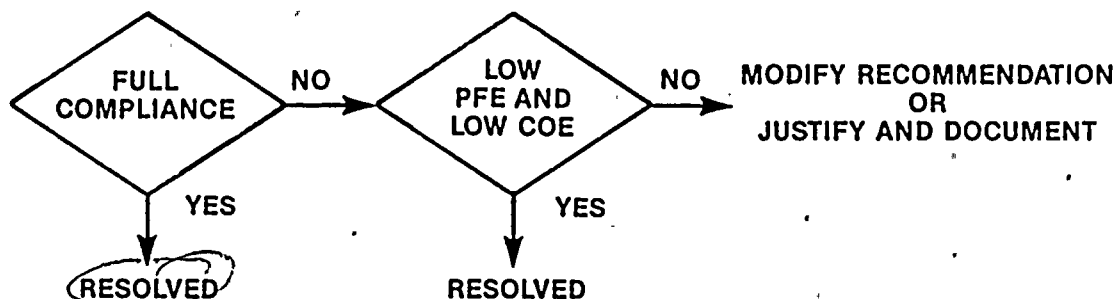
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Addition of PORV position indicators
lamps is being considered.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/2/86

DATE 1/19/86

CLO/HED# V2-7.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☒ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

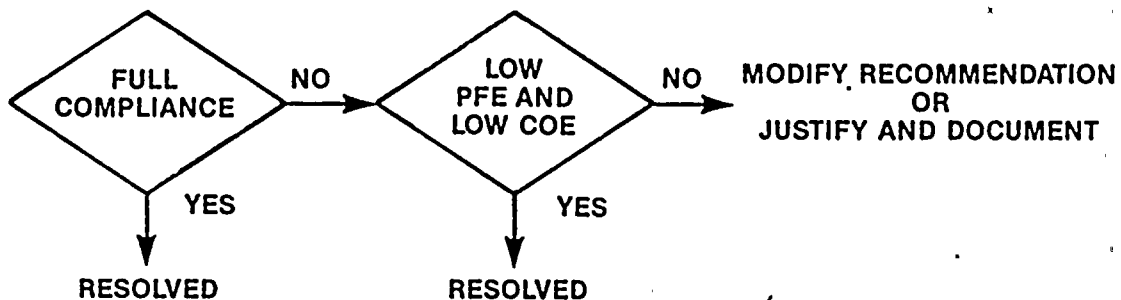
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Duplicates V1-8, see
V1-8 for resolution.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/2/86

11/1986

CLO/HED# V2-8

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☒ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

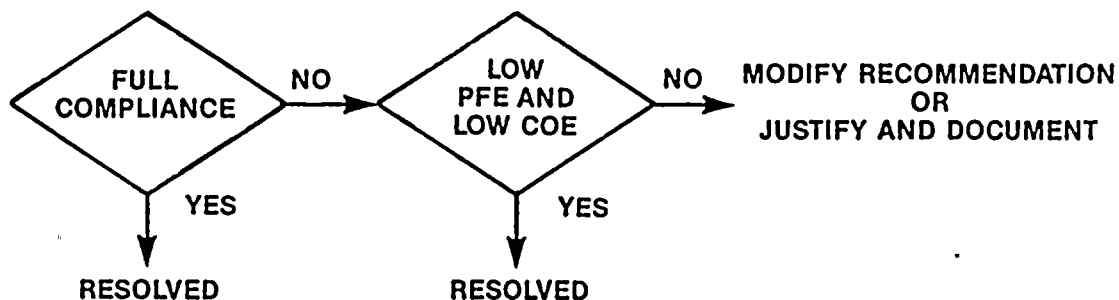
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Not an HED. Originator had
misinterpretation of functional requirements.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER _____

DATE

10/2/86

DATE

11/1986

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

LOW

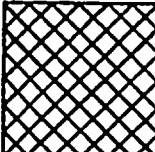
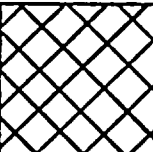
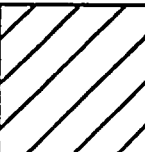
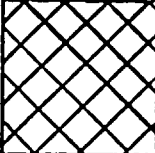
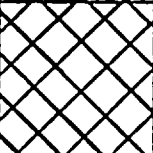

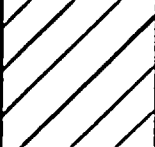


CONSEQUENCE OF ERROR (COE)

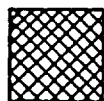
HIGH

MEDIUM

LOW

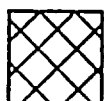
Consequence Of Error

		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



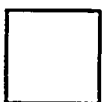
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED#

12-9

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

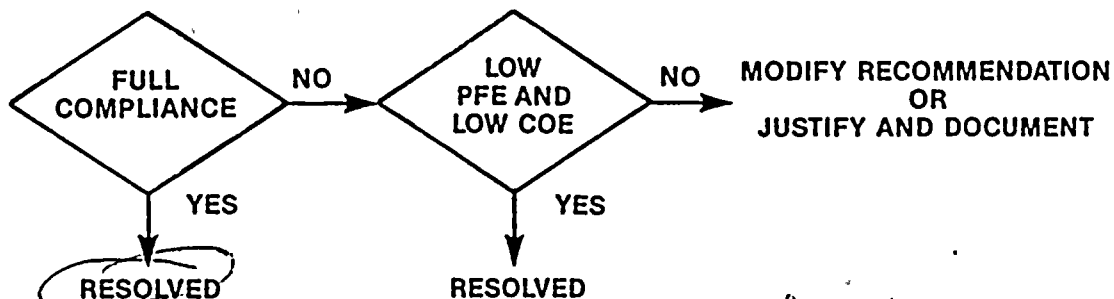
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Will relabel switch escutcheon
"MAN" ... "TEST" "AUTO".

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/12/8611/19/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

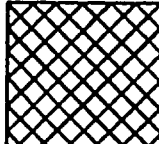
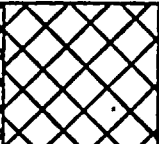
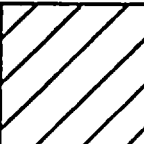
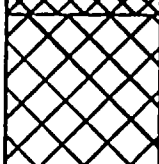
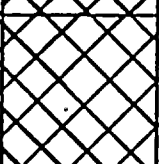

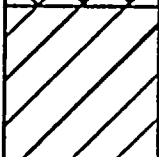
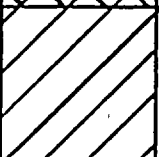

LOW

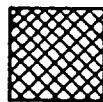
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

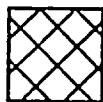
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



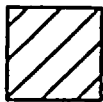
Category I --

High priority; corrective action should be taken.



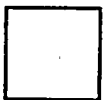
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# VZ-10

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

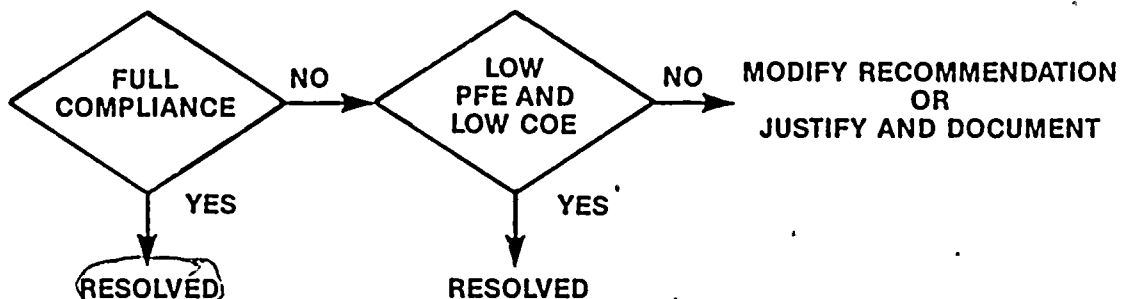
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Procedure has been changed
to agree with panel nomenclature.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPS SC PROGRAM LEAD ENGINEER _____

DATE 10/2/86

DATE 11/1986

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

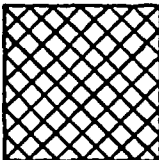
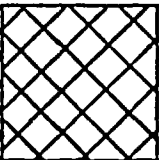
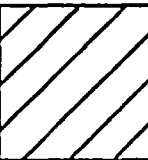
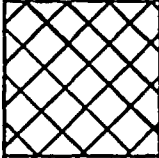

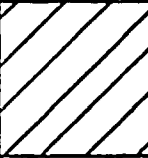
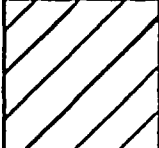


LOW

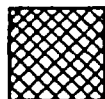
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



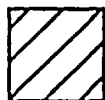
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# V2-11

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

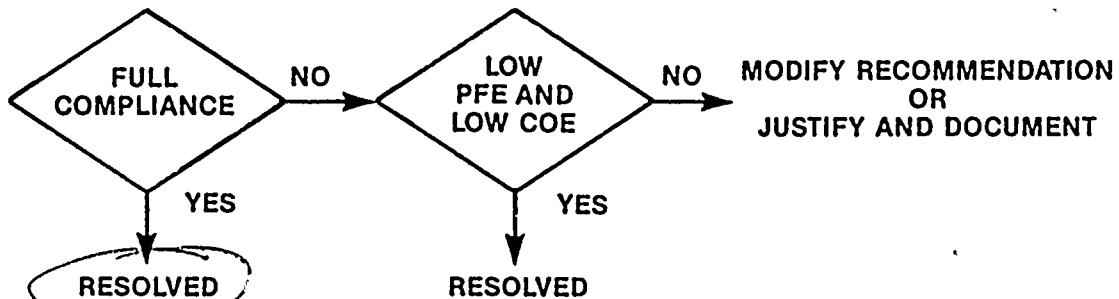
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION (I)ll make units agree among instruments and procedure.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER _____

DATE 10/2/86

DATE 11/9/86



CLO/HED# V 2-12

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

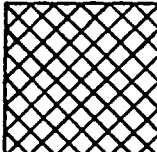
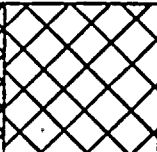
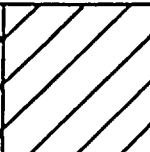
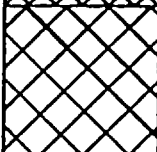
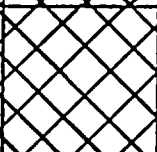
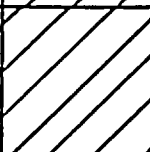
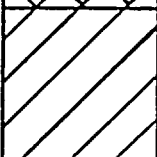
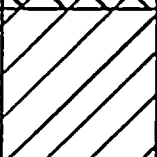

LOW

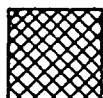
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



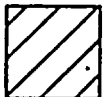
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY III

CLO/HED# V2-12

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

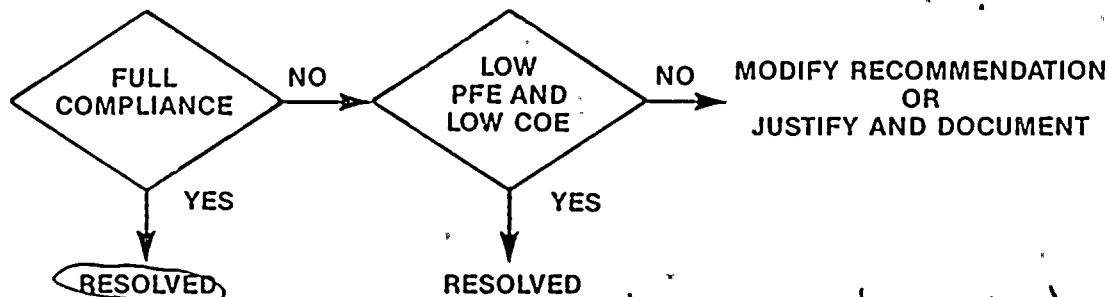
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Isolation valve status lights are
being considered to provide indication of Phase A
Isolation signal.
Note: This is the same as V1-12.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER RFSDATE 10/2/86DATE 1/1/986

CLO/HED# V2-13

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

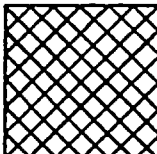
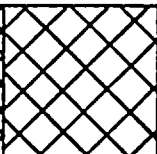
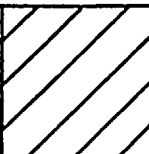
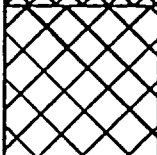
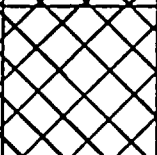
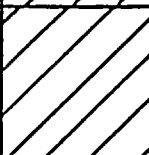
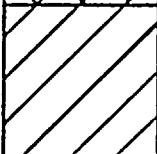
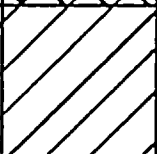

LOW

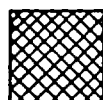
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

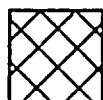
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



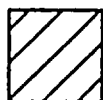
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

VV

CLO/HED# V2-13.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

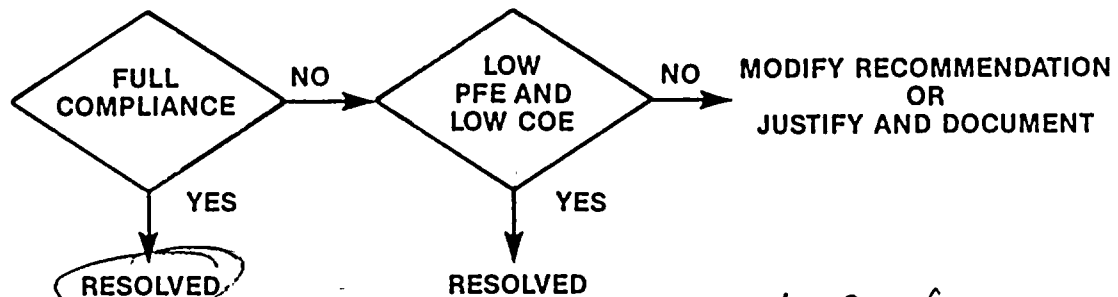
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION will add list of water sources to procedure.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]

DATE 10/2/86

AEPSC PROGRAM LEAD ENGINEER [Signature]

DATE 11/9/86

CLO/HED# VZ-14

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

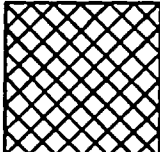
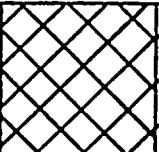

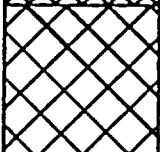
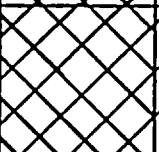

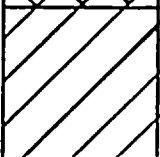
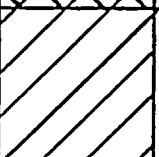

LOW

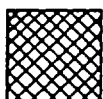
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



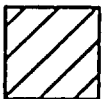
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

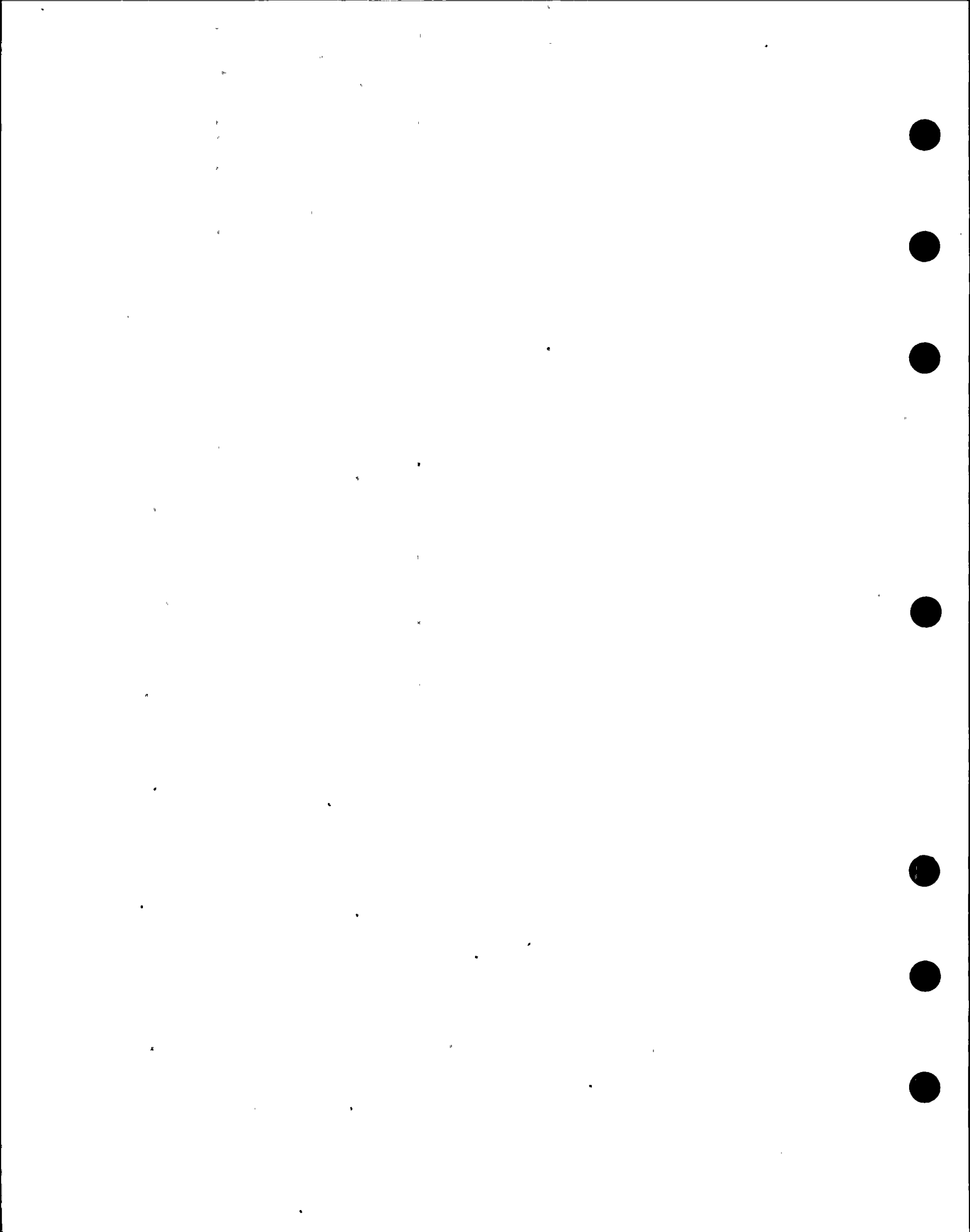


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# V2-14

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____
- ☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED ☐ PARTIALLY APPROVED ☒ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

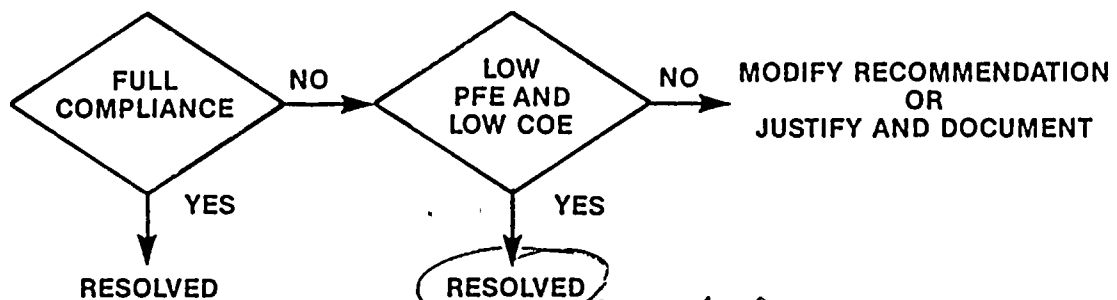
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION: No action. Two channels of RCS wide range pressure indication are appropriate and adequate.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature] DATE 10/2/86

AEPSC PROGRAM LEAD ENGINEER [Signature] DATE 11/19/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

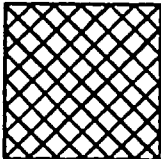
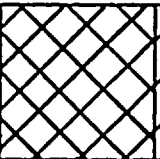

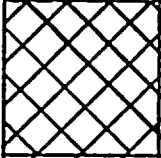
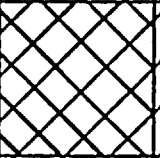

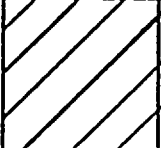
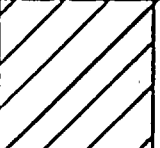

LOW

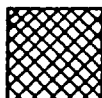
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# V2-15

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

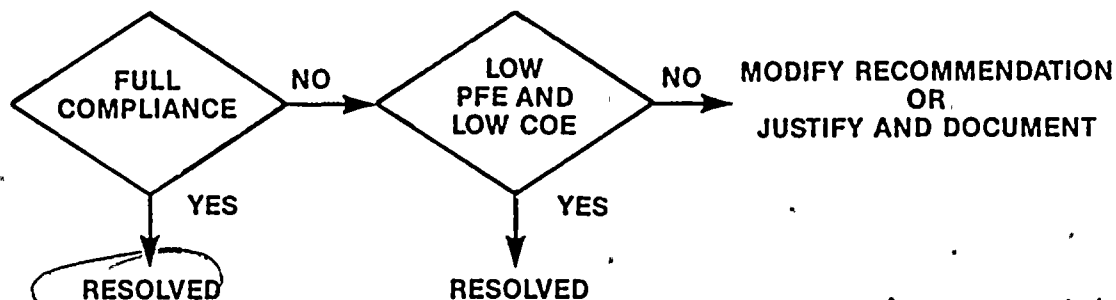
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION If replacement scales are still available from instrument manufacturer, will replace.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER _____

DATE 10/1/86

DATE 11/19/86

CLO/HED# V2-16

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

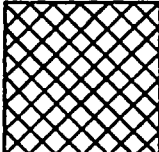
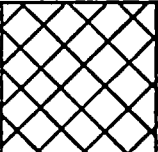
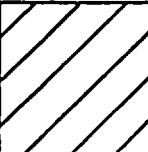
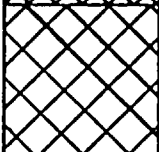
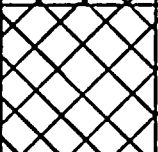
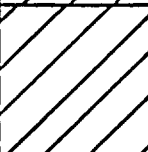
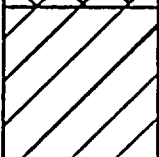
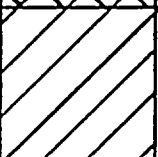
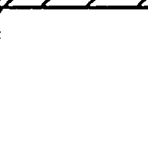
LOW

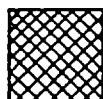
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.

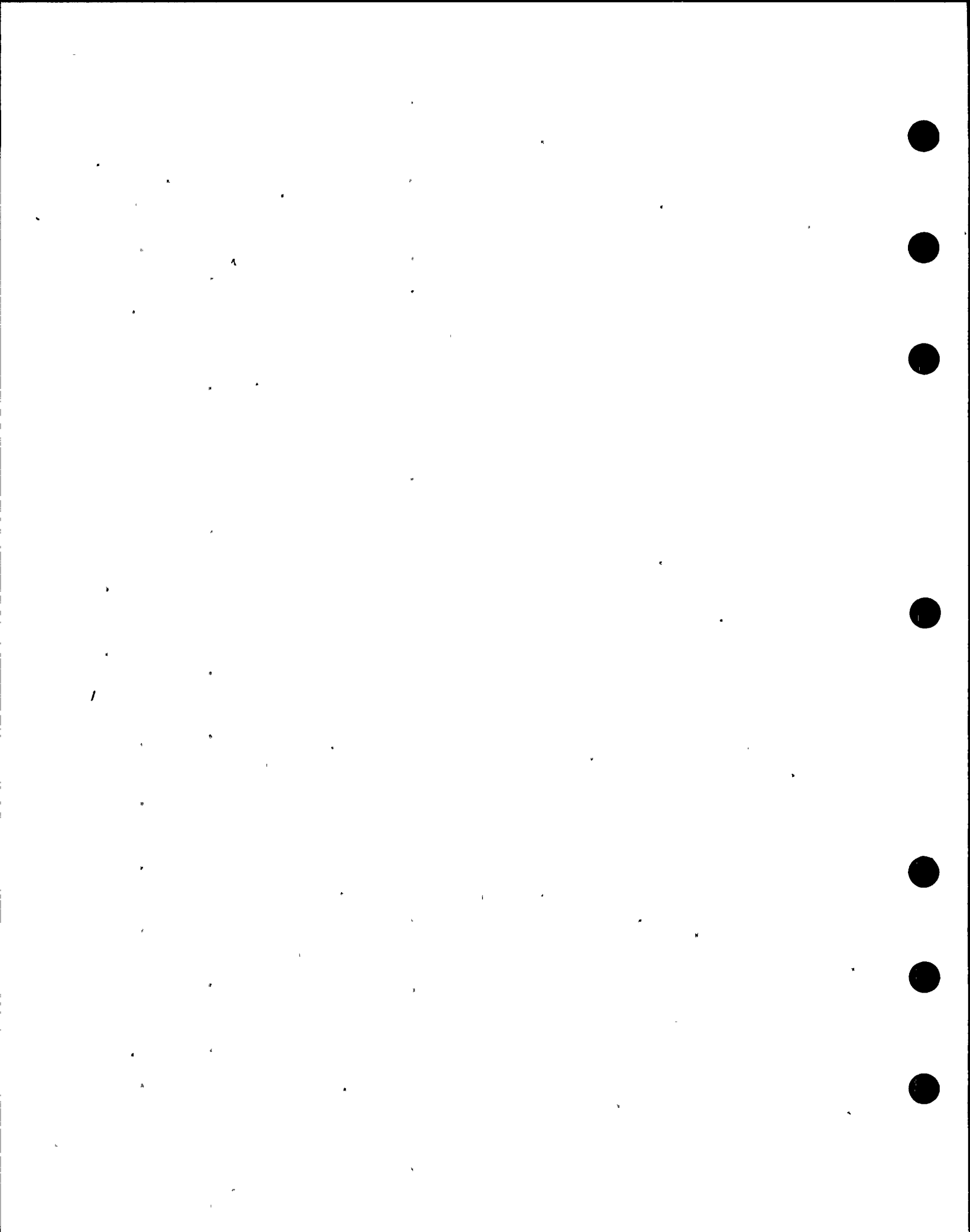


Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# V 2-16.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

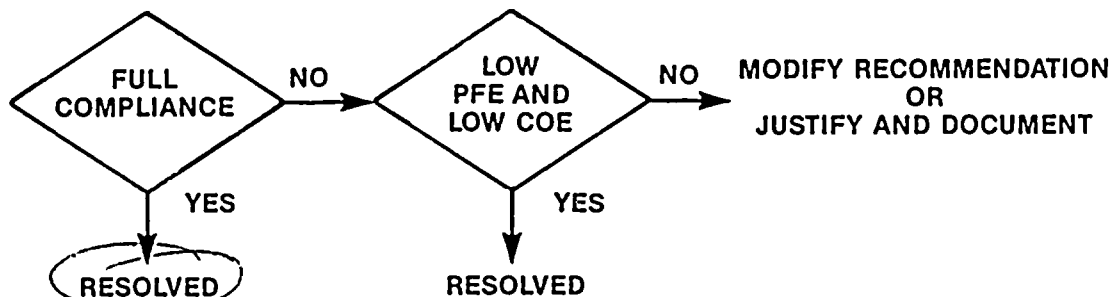
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION List of valves has been redone so that operator is not required to move back and forth between panels. Panel locations have been added next to valve callout on list. COE rated low because critical valves are doubled so that, if one fails, the other would be correctly positioned.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/2/86

DATE 11/1986

CLO/HED# V2-17

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

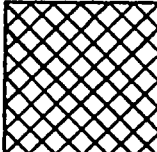
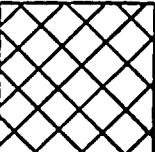

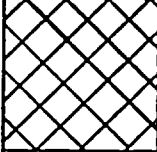
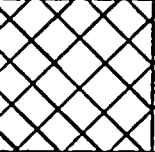

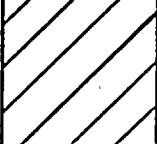


LOW

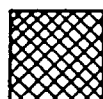
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

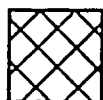
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II



CLO/HED# V 2-17

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

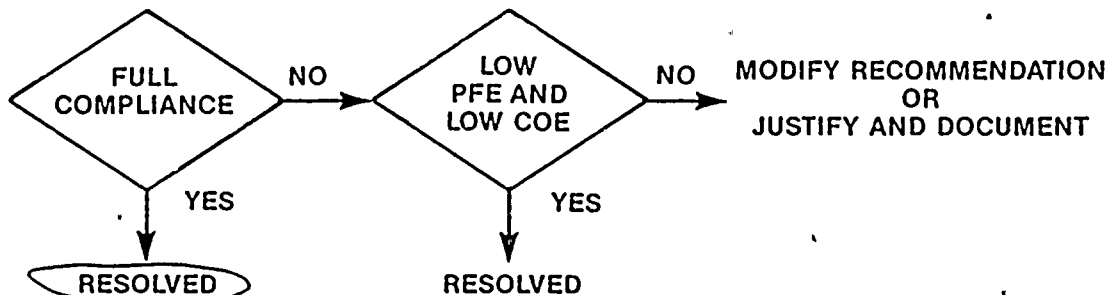
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Plans are underway to provide
position indicating lights for spray valves.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER _____

DATE 10/2/86DATE 11/1986

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

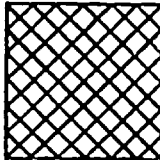
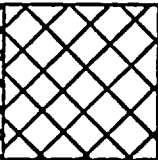
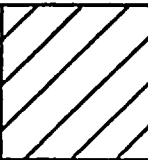
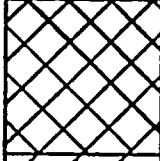
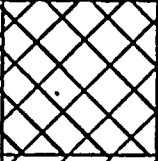
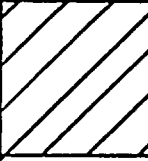

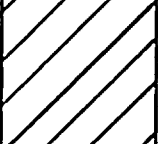

LOW

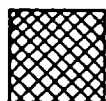
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

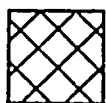
LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



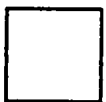
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

II

CLO/HED# V2-18.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☐ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

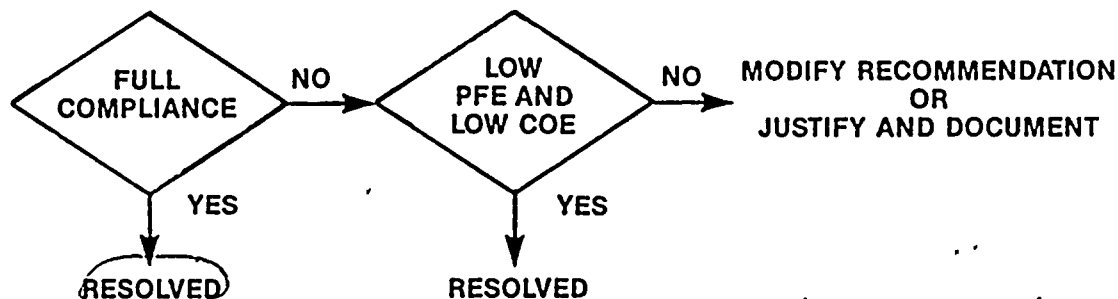
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

The amber lights mean intermediate position only. White lights will be provided with engraved caps giving meaning.

SIGNOFF

H.F. CONSULTANT (ESSEX)

[Signature]

DATE 10/2/86

AEPSC PROGRAM LEAD ENGINEER

RFG

DATE 1/1/986

CLO/HED# V2-19

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

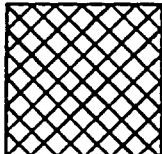
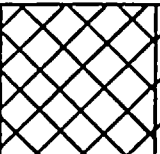

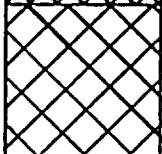
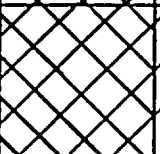

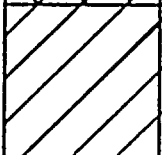
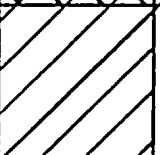

LOW

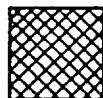
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



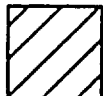
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# 12-19.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

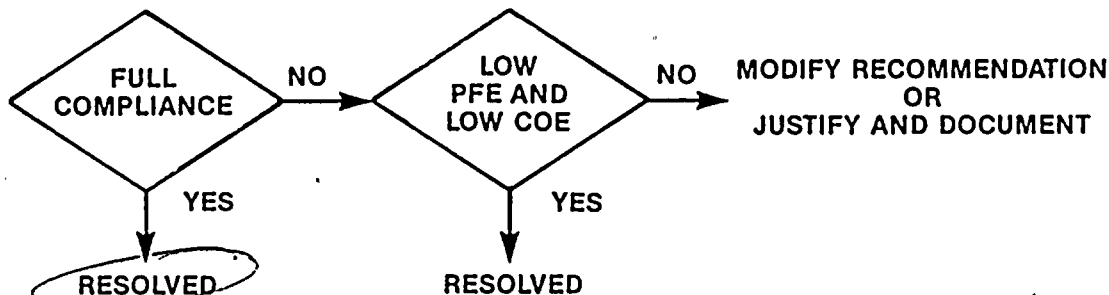
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Rearrangement of indicators is under consideration.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER RFS

DATE

10/2/86

DATE

11/19/86

CLO/HED# V2-20

Panel items 89, 90, 91, 114, 115, 116

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

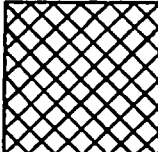
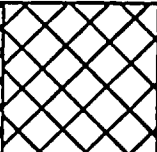
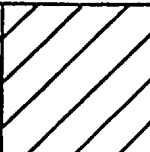
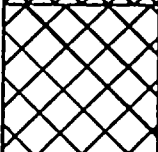
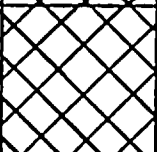
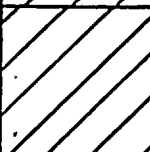
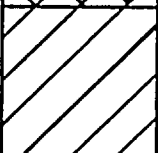
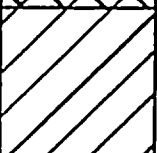

LOW

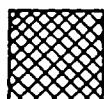
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



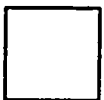
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# VZ-20Panel items 89, 90, 91, 114, 115, 116

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

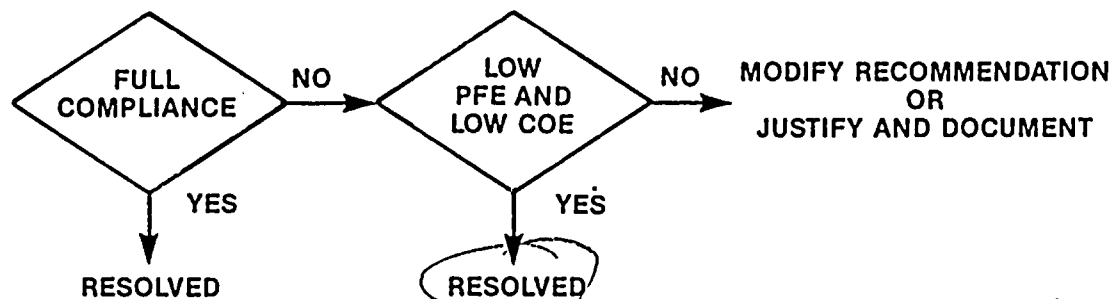
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION Considering adding a status light
panel within the same layout as control switches so that each
valve doesn't have to be checked.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 10/12/86AEPSC PROGRAM LEAD ENGINEER [Signature]DATE 11/9/86



CLO/HED# V2-20Panel items 12 & 16

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

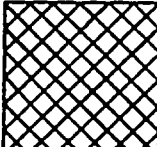
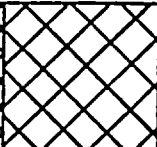
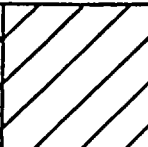
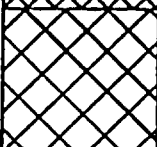

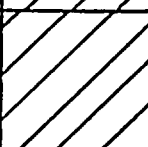

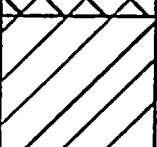

LOW

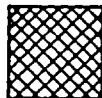
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# V2-20.Panel items 12 & 16

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

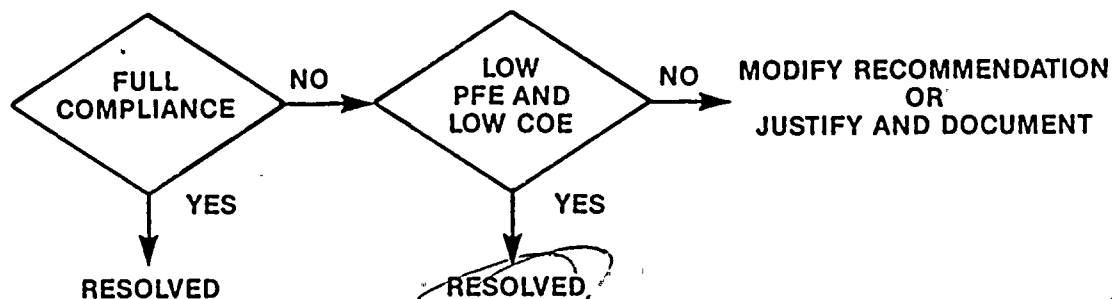
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION

no change - rearrangement
would change mirror image panel to a partial mirror
image.

SIGNOFF

H.F. CONSULTANT (ESSEX)

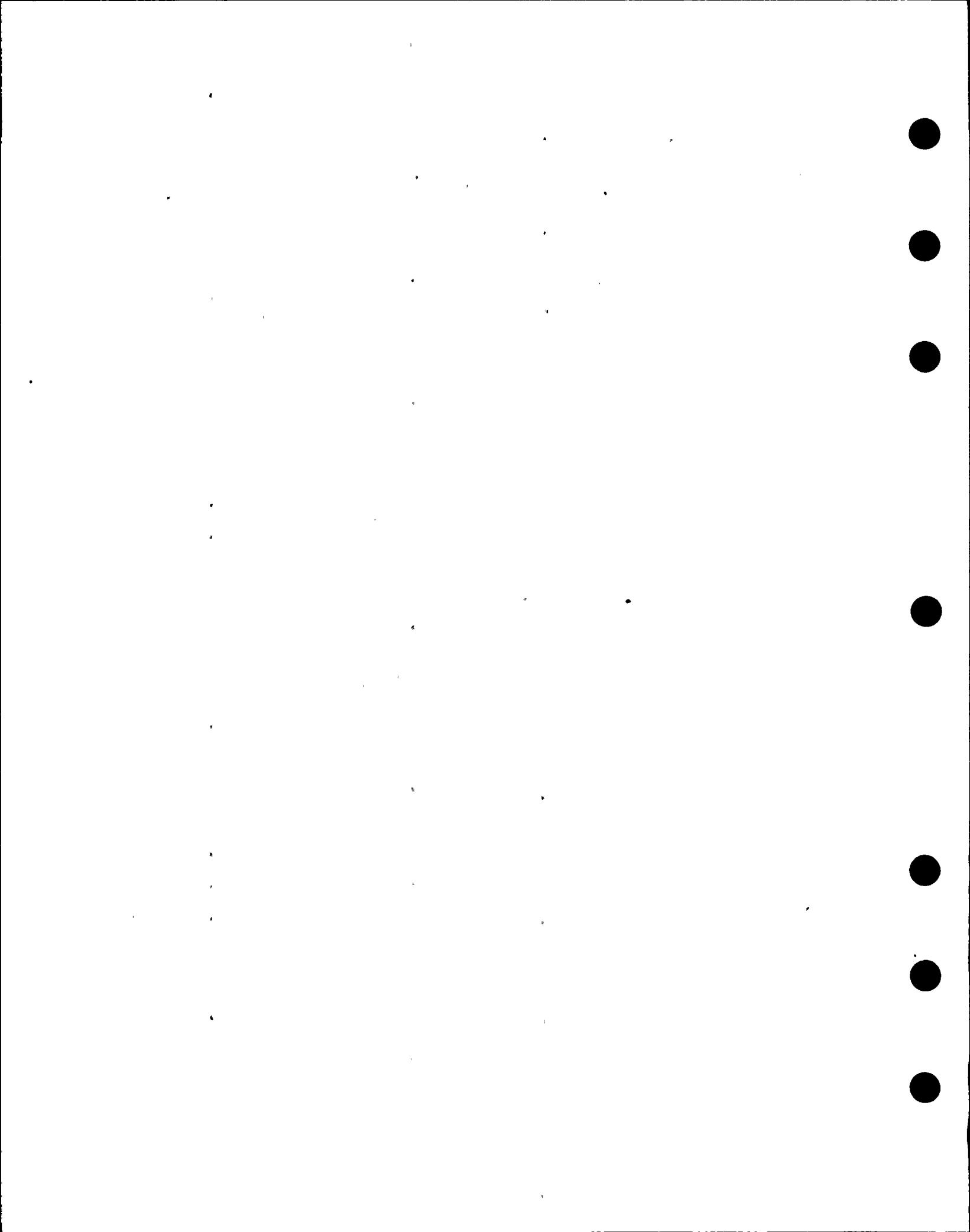
AEPSC PROGRAM LEAD ENGINEER

DATE

10/2/86

DATE

11/986



CLO/HED# VZ-20

Panel items 74 and 76

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

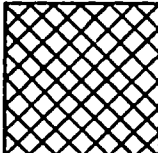
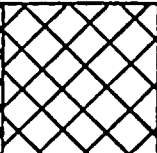
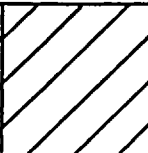
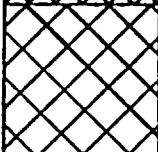
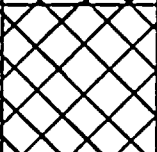
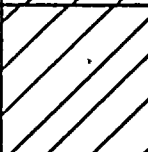
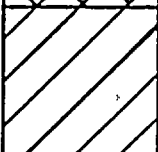
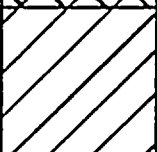
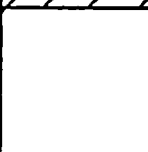
LOW

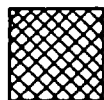
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED#

VQ-20.

Panel items 74 & 76

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

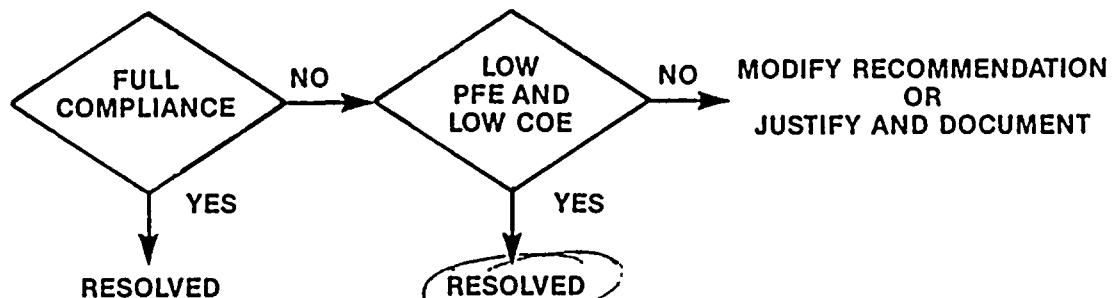
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

No change. Present arrangement has Train A on left which is in accordance with operator training and expectations.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/2/86

11/19/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

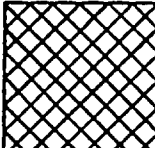
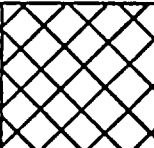
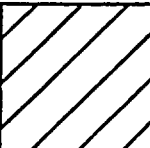
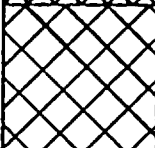
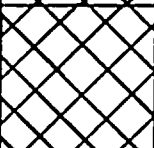
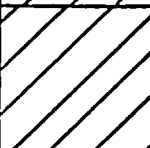
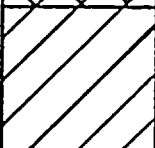
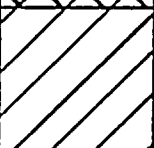

LOW

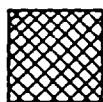
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



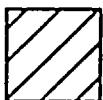
Category I --

High priority; corrective action should be taken.



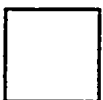
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED#

V2-20

Panel items 37+42

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

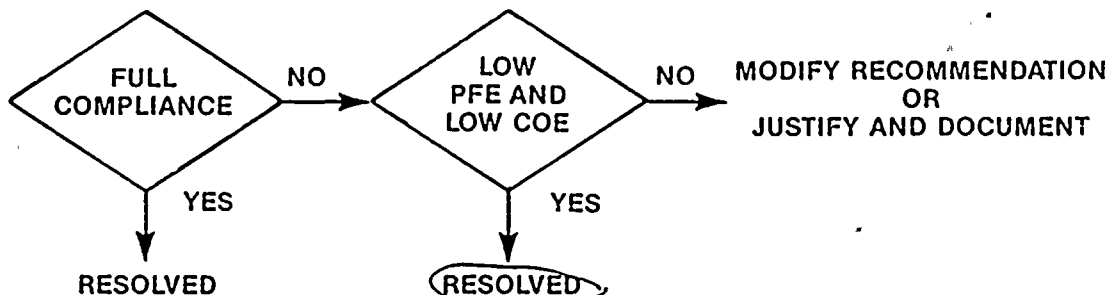
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION Actually three valves are involved.
1-IRV-255 is also a part of the recirc path and is located
in the correct position, given its relative importance.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE 10/2/86

DATE 11/9/86



CLO/HED# V2-20

Panel items 141 & 287

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

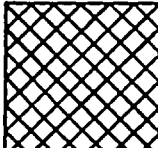
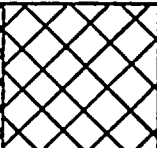
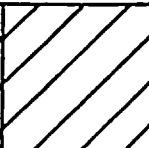
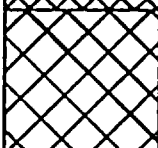

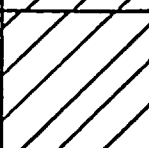
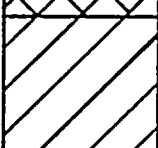
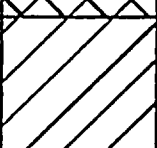

LOW

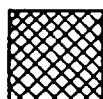
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



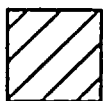
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III

CLO/HED# VZ-20.Panel items 141 & 287

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

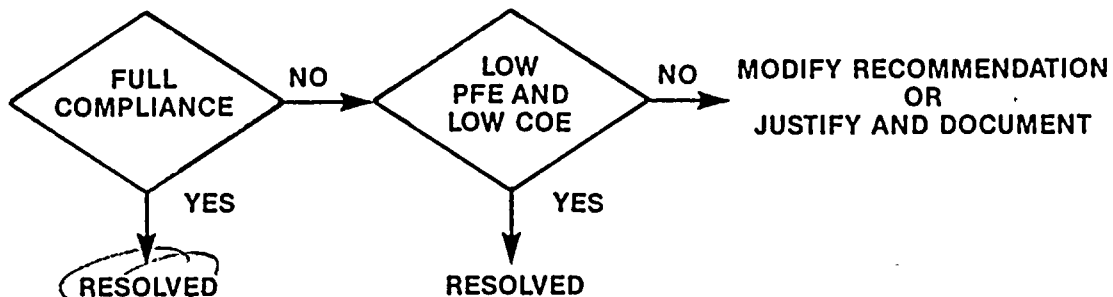
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION QCR-300 and 301 will be considered
for relocation since these are severely dislocated from one
another and are used in several evolutions.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 10/2/86AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/1986

CLO/HED# VZ-20

Panel Items 79 & 105

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

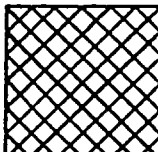
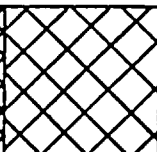
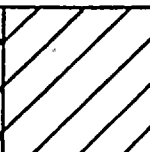
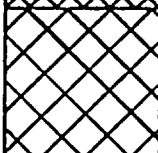
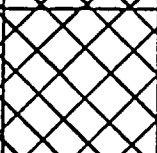
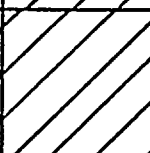
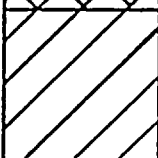
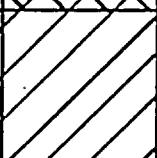

LOW

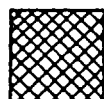
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

III



CLO/HED# V2-20.Panel items 79 & 105

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED ☐ PARTIALLY APPROVED ☐ NO ACTION ☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

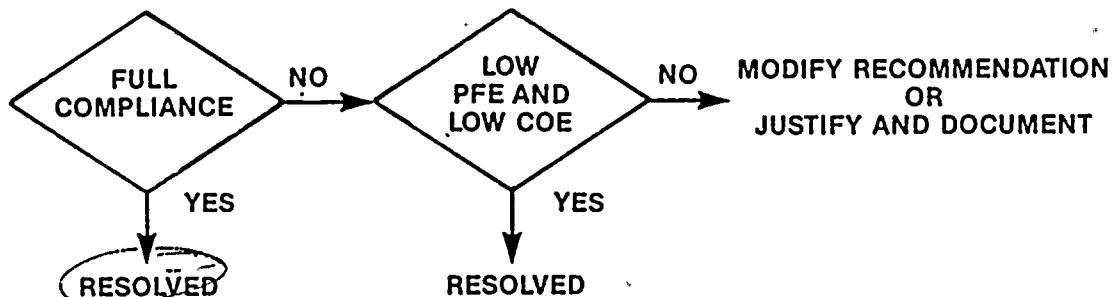
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION MCM 221 and 231 are more critical and will be high lighted so they can be found more easily. Due to separation of train requirements locations cannot be switched.

SIGNOFF

H.F. CONSULTANT (ESSEX) [Signature]DATE 10/2/86AEPSC PROGRAM LEAD ENGINEER RFSDATE 11/19/86

CLO/HED# VZ-21

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

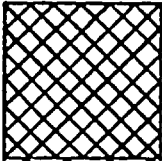
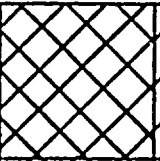

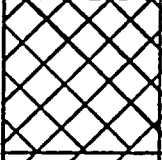
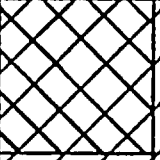




LOW

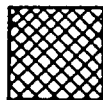
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



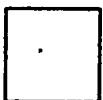
Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# 12-21.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☒ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

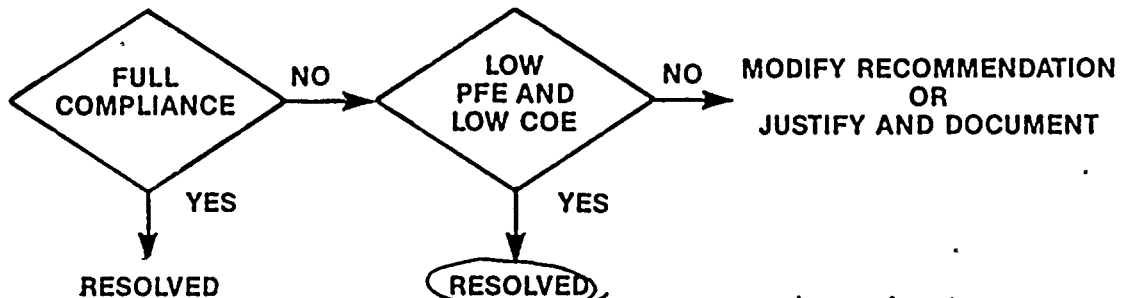
MEDIUM

LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

EXPLANATION OR JUSTIFICATION One light should always be lit; if both are out then a bulb is burned out! No action. Also see CLO 1.7-6 response.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER _____

DATE 10/2/86DATE 11/1986



CLO/HED# V2-22

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

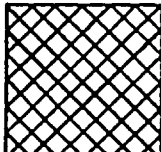
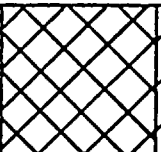

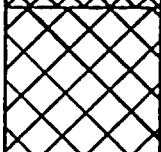
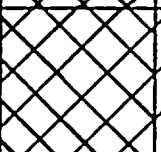

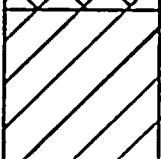
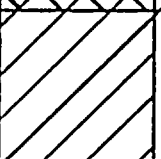

LOW

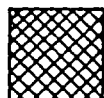
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



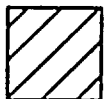
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED# 12-22

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED

☐ PARTIALLY APPROVED

☒ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

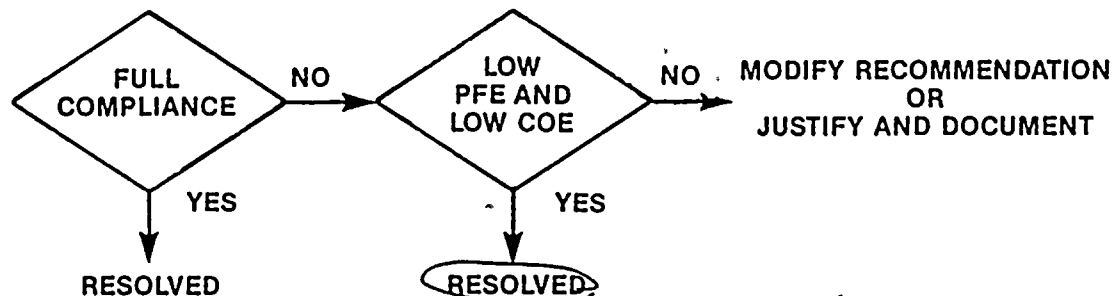
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION No action - existing annunciator
will alert operator to exhaust fan trip status.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER RFS

DATE 10/2/86

DATE 11/19/86

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

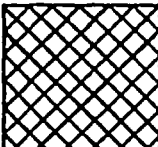
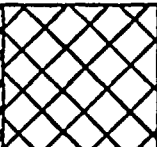
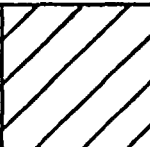
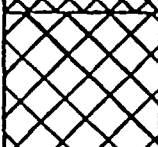


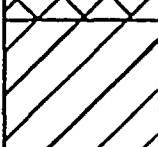
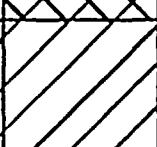

LOW

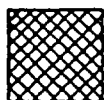
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV



CLO/HED# VZ-23.

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED

☐ PARTIALLY APPROVED

☒ NO ACTION

☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

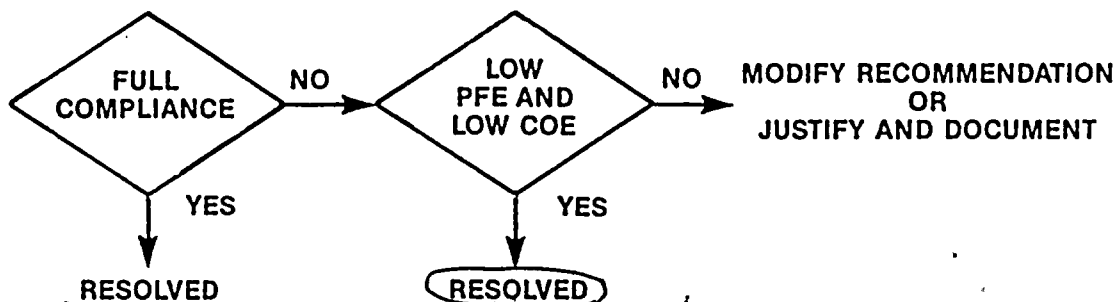
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION No. Action. By DC. Cook
convention "TRIP" position is always to the left. For
valves, "TRIP" means "suddenly close"; i.e. turbine
stop valves.

SIGNOFF

H.F. CONSULTANT (ESSEX) _____

AEPSC PROGRAM LEAD ENGINEER _____

DATE 10/2/86

DATE 11/1986

CLO/HED#

V2-24

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☐ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☒ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

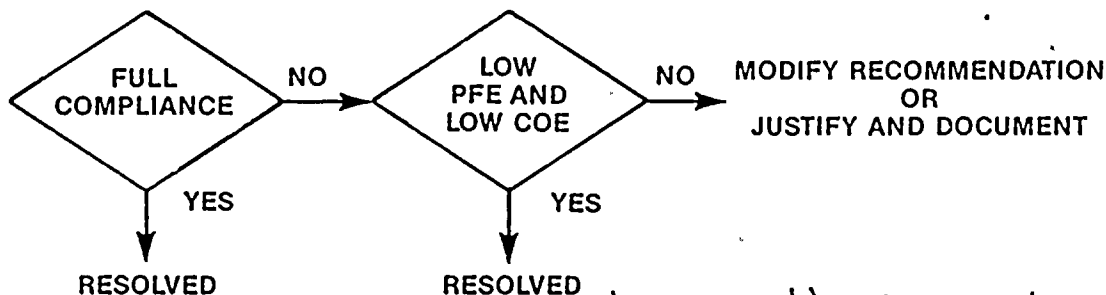
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

Not An HED, Instrument
actually has 2 Scales and 2 pointers. Operator
reads which one is on scale.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

DATE

10/2/86

11/986

CLO/HED#

V2-25

ASSESSMENT RECORD

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

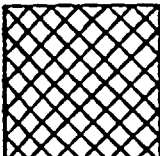
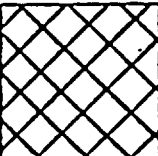
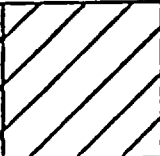
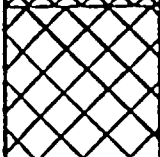
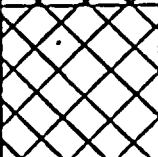
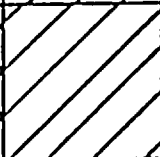
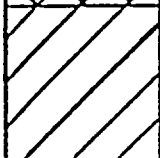

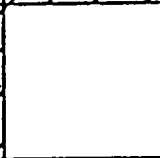
LOW

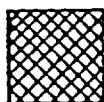
CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW

		Consequence Of Error		
		High	Medium	Low
Potential For Error	High			
	Medium			
	Low			



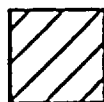
Category I --

High priority; corrective action should be taken.



Category II --

Medium priority; corrective action is highly recommended.



Category III --

Low priority; corrective action is recommended.



Category IV --

No corrective action necessary, but should be considered.

ASSESSMENT CATEGORY

IV

CLO/HED#

V2-25

EVALUATION AND DISPOSITION RECORD

ASSESSMENT/REVIEW ACTIONS

PENDING

DATE

☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____☐ FURTHER REVIEW BY _____

DISPOSITION

☒ APPROVED☐ PARTIALLY APPROVED☐ NO ACTION☐ OTHER

EVALUATION

FULL COMPLIANCE WITH GUIDELINES

NO

YES

POTENTIAL FOR ERROR (PFE)

HIGH

MEDIUM

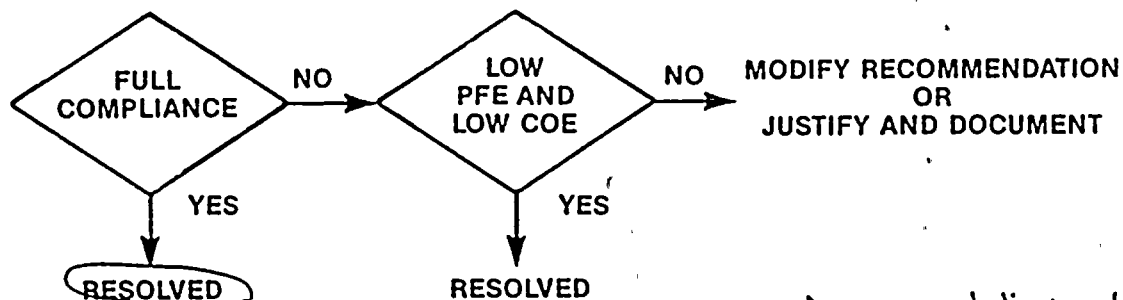
LOW

CONSEQUENCE OF ERROR (COE)

HIGH

MEDIUM

LOW



EXPLANATION OR JUSTIFICATION

The procedure will identify specific radiation monitors which should be checked.

SIGNOFF

H.F. CONSULTANT (ESSEX)

AEPSC PROGRAM LEAD ENGINEER

DATE

10/31/86

DATE

1/1/986

