

July 30, 2001
PY-CEI/NRR- 2584L

United States Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

Perry Nuclear Power Plant
Docket Nos. 50-440; 50-441
Submittal of Emergency Plan
Implementing Instructions

Gentlemen:

Pursuant to 10 CFR 50 Appendix E, enclosed are changes to the Emergency Plan Implementing Instructions (EPIs) for the Perry Nuclear Power Plant. These changes constitute revisions, temporary changes, or reissued pages. Please follow the updating instructions per the attached Controlled Document Instruction Sheet and return the signed Acknowledgment of Receipt form.

If you have questions or require additional information, please contact me at (440) 280-5294.

Very truly yours,



Vernon K. Higaki, Supervisor
Emergency Planning Unit

VKH:byr

Enclosure

cc: NRC Project Manager
NRC Resident Inspector
NRC Region III, Incident Response Center w/2 attachments

A045

FirstEnergy
PERRY NUCLEAR POWER PLANT
UNIT 1 & 2

ACKNOWLEDGMENT OF RECEIPT

Title Emergency Plan Implementing Instructions EPI – A1/ Rev.6 / C-6.

Control No. 60

Letter No./Date PY-CEI/NRR-2584L / July 30, 2001

Signature

Date

Title

Return to:

Perry Nuclear Power Plant
Attn: B.Y. Richardson, A240
P. O. Box 97
Perry, Ohio 44081

FirstEnergy
Perry Nuclear Power Plant

Controlled Document Instruction Sheet

Manual: Emergency Plan Implementing Instruction (EPI – A1/ Rev.6 / C-6).

Control Number **60**

<u>Revision Number</u>	<u>Temporary Change No.</u>	<u>Insert</u>	<u>Remove and Replace</u>
6	6	<u>EPI – A1/ Rev.6 / C-6</u>	REISSUE pages i thru iv, 35 thru 38

The Cleveland Electric Illuminating Company

PERRY OPERATIONS MANUAL

PNPP



No. 060

Emergency Plan Implementing Instruction

TITLE: EMERGENCY ACTION LEVELS

**INFORMATION
ONLY**

REVISION: 6

EFFECTIVE DATE: 7-10-97

PREPARED: Joseph D. Anderson

11-6-96
/ Date

EFFECTIVE PIC'S

PIC No.	Type of Change	Effective Date
1	Intent	3-16-98
2	Intent	6-15-98
4	Intent	12-17-98
5	Non-Intent	4-4-01
6	Non-Intent	7-12-01

EMERGENCY ACTION LEVELS

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SCOPE OF REVISION:

Periodic Review - Required

- Rev. 6 -
1. TC's from previous revision that were evaluated for incorporation - TCN-1.
 2. Implements NUMARC/NESP-007 EAL Methodology.

Change History

PIC Number: 1 Affected Pages: i, iii, 9, 13, 14, 18, 20, 21, 22,
23, 25, 27, 39, 40, 41, 42, 43, 44,
45, 46, 47, 48, 50, 62, 64

Summary of Change:

1. EALs revised to address licensed operator comments from NUMARC/NESP-007 EAL training.
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PIC Number: 2 Affected Pages: i, iii, 7, 7a, 48, 56, 59

Summary of Change:

1. Revises Section 5.1.6.3 to address the timeliness of classification based on EPOS No. 2.
 2. Revises Table 4-1 EAL Initiating Condition (IC) HG1 to provide user reference to PEI-D17 for emergency depressurization criteria. (PIF 98-0375)
 3. Revises Table 4-1 EAL-IC-KU2 to clarify the extent of a significant degradation of offsite communications capabilities based on NUMARC/NESP-007 (Rev. 2) basis guidance. (PIF 98-0238)
 4. Revises Table 4-1 EAL IC MU1 to define access restrictions impacting plant operation. (PIF 98-0140)
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PIC Number: 4 Affected Pages: i, iii, 18, 25

Summary of Change:

1. Changed references to PEI-T23, Containment Flooding to SAG-1, Primary Containment Flooding due to implementation of the new Severe Accident guidelines.
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PIC Number: 5 Affected Pages: i, iii, 2, 6, 7, 8, 9, 11, 13, 14,
56

Summary of Change:

1. Deleted references to PAP-1122 and referenced instead that the Integrated On-Call Report is found on the Perry Web under Emergency Response Organization.
 2. Corrected various typos.
 3. Changed term from "Operating Condition" to "Operating Mode" to be consistent with Technical Specifications.
 4. Corrected wording of the note in EAL KU2 regarding "extraordinary means".
 5. Added EOF, JPIC and PIRT to section 5.5 to facilitate activation of these facilities in a non-emergency event as necessary.
 6. Corrected the Event Category "G" name on the Initiating Condition Index on page 13 to be consistent with EAL page.
 7. Added the Simulator to list of where the Fission Product Matrix is located.
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Change History (Cont.)

PIC Number: 6 Affected Pages: i, iv, 35, 36, 37, 38

Summary of Change:

1. Added information in the NOTES found in EAL's FU1, FU2, and FA1 that tells where the list of Safe Shutdown Buildings is located in this EPI in the Definitions section.
 2. Also added an additional NOTE in EAL FA1 that lists the Safe Shutdown Equipment and describes that this list is part of the Safe Shutdown Capability Report found in the Appendix R Evaluation. This change was made as a result of control room operator input and is referred to in CR 00-3851.
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EAL ENTRY CRITERIA

Category F: Fire or Explosion

Initiating Conditions	Entry Criteria						
<p style="text-align: center;">FU1</p> <p style="text-align: center;">Fire within a Safe Shutdown Building <u>NOT</u> extinguished within 15 minutes</p>	<p>Fire within any Safe Shutdown Building.</p>						
	<p>Fire <u>CANNOT</u> be extinguished within 15 minutes of <u>either</u> of the following:</p> <ul style="list-style-type: none"> • Verification of alarm. • Notification received in the Control Room from plant personnel that a fire exists. 						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 12.5%; text-align: center;">1</td> <td style="width: 12.5%; text-align: center;">2</td> <td style="width: 12.5%; text-align: center;">3</td> <td style="width: 12.5%; text-align: center;">4</td> <td style="width: 12.5%; text-align: center;">5</td> <td style="width: 12.5%; text-align: center;">D</td> </tr> </table>	1	2	3	4	5	D	
1	2	3	4	5	D		

<p><u>FU1</u></p> <p style="text-align: center;">U N U S U A L E V E N T</p>
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NOTE

Verification in this context means those actions taken in the Secondary Alarm Station (SAS) to determine that the alarm is NOT spurious. Verification includes the receipt of multiple or independent alarms or confirmation of a single detector by visual inspection of the affected area by a first responder. List of Safe Shutdown Buildings is found in Section 3 "Definitions", sub-step 3.10.

EAL ENTRY CRITERIA

Initiating Conditions							Entry Criteria
<p>FU2</p> <p>Explosion affecting a Safe Shutdown Building</p>							<p>Report by plant personnel confirming the occurrence of an explosion within the Protected Area resulting in visible damage to a Safe Shutdown Building.</p>
<p>Applicable Modes:</p>							
1	2	3	4	5	D		

FU2

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NOTE

No attempt is made to assess the magnitude of the damage. The occurrence of the explosion with reports of damage (deformation/scorching) is sufficient for declaration. Actual damage to safe shutdown equipment is covered under Alert FA1. List of Safe Shutdown Buildings is found in Section 3 "Definitions", sub-step 3.10.

EAL ENTRY CRITERIANOTE

Safe Shutdown System/Equipment refers to equipment identified in the Safe Shutdown Capability Report. This is the minimum list of equipment required to achieve and maintain COLD SHUTDOWN (including all auxiliary equipment such as AC/DC power, cooling water and instrumentation). A detailed list is provided in the <Appendix R Evaluation - Safe Shutdown Capability Report>.

Safe Shutdown System/Equipment list: (Division 1 and 2 only)

- Reactor Protection System
- Control Rod Drive Hydraulics
- Automatic Depressurization System/SRV
- Reactor Core Isolation Cooling
- Low Pressure Core Spray
- Low Pressure Coolant Injection - A/B/C
- Suppression Pool Cooling
- Shutdown Cooling
- Safety-Related Instrument Air
- Emergency Service Water
- Emergency Service Water Screen Wash
- Emergency Service Water Pump House Ventilation
- ECCS Pump Room Cooling Systems
- Diesel Generator Building Ventilation
- Stand-by Diesel Generator (DG)
- DG Fuel Oil Storage/Transfer
- Electrical Power Distribution
- Emergency Closed Cooling Pump Area Cooling
- Emergency Closed Cooling
- Control Complex Chilled Water
- MCC, Switchgear and Miscellaneous Electrical Equipment Areas HVAC System
- Battery Room Exhaust
- Control Room HVAC and Emergency Recirculation System

(Reference: <NUMARC/NESP-007> (Rev. 2), Unusual Event HA2)