

May 22, 2001
PY-CEI/NRR- 2571L

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

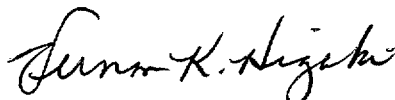
Perry Nuclear Power Plant
Docket Nos. 50-440; 50-441
Submittal of Emergency Plan
Implementing Instructions

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 – B7b / Rev.9 / C-1

Control No. 60

Letter No./Date PY-CEI/NRR-2571L / May 22, 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-B7b / Rev.9 / C-1).

Control Number 60

<u>Revision Number</u>	<u>Temporary Change No.</u>	<u>Insert</u>	<u>Remove and Replace</u>
9	C-1	EPI-B7b/ Rev 9 / C-1	Pages i thru iii, 23, 24

[illegible]

MANUAL OFFSITE DOSE CALCULATIONS

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SCOPE OF REVISION:

Periodic Review - Required

- Rev. 9 -
1. Instruction revised in its entirety; no rev bars used.
 2. Addresses upgrade to Onsite MET Tower sensors under DCP No.97-0107.
 3. Inserts reference to Commitment No. S00552.
[PIFRA #97-1222-001]
 4. Inserts other commitment references already addressed by instruction.
 5. Updated references to current procedures and instructions.

EPI-B7b
Page: iii
Rev.: 9

Change History

PIC Number: 1 Affected Pages: i, iii, 23

Summary of Change:

1. PNPP Form No. 8049, Rev. 11/9/00, was inadvertently left out of EPI-B7b, Rev. 9. The new revision of this form should replace Form No. 8049, Rev. 11/93.
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RMT FIELD MEASUREMENT CALCULATION SHEET

PNPP No. 8049 Rev. 11/9/00

EPI-B7b

DATE	TIME
MEASUREMENT LOCATION	DISTANCE FROM PLANT (mi)
WIND DIRECTION (<i>from</i>)	MEASUREMENT TIME
SIGNATURE	REVIEWED BY

A	B	C	D	E	F	G
Measured Dose Rate at Sample Location (rem/hr)	X/Q for Actual Sample Location	Fractional X/Q (A/B)	Gamma TEDE Factor	Release Duration (Hours)	X/Q for each Distance	TEDE Dose (rem) (CxDxExF)
						Site Boundary
Note: Measured Dose Rate is taken in mrem/hr and must be converted to rem/hr.						2 ml.
						5 ml.
						10 ml.

DATA TABLE 3-1

Time Less Than 4% Power (in hours)	0	0.5	1.0	2.0	4.0	6.0	8.0
Gamma-TEDE Factor	1.09	1.16	1.22	1.29	1.43	1.59	1.75

RMT AIR SAMPLE CALCULATION SHEET

PNPP No. 8050 Rev. 11/93

EPI-B7b

DATE	TIME	MEASUREMENT TIME
MEASUREMENT LOCATION		
DISTANCE FROM PLANT (mi)		WIND DIRECTION (from)
SIGNATURE		REVIEWED BY

(FILL OUT FOR EACH AIR SAMPLE)

PART I: CLASS FILTER CLOTH EVALUATION

Step 1:	Time of measurement _____ - Reactor < 4% power _____ = _____ hrs
Step 2:	(from Figure 3-1) Iodine Correction Factor = _____ ICF
Step 3:	Filter-adsorber reading _____ cpm - Bareadsorber reading _____ cpm = _____ cpm IDI
Step 4:	Step 2 ICF _____ x Step 3 IDI _____ = _____ cpm Corrected Filter Reading IFI
FILTER-ABSORBER EVALUATION	
Step 5:	Bare-absorber reading _____ cpm - Background _____ cpm = _____ cpm Absorber Net Count Rate INI
Step 6:	Step 4 IFI _____ cpm + Step 5 INI _____ cpm = _____ cpm IRI Total Iodine Count Rate
Step 7:	THYROID DOSE COMMITMENT (from Figure 3-2) _____ rem.
Step 8:	(If Immersion time greater than 2 hours): Thyroid dose correction factor (Figure 3-3) _____ x Thyroid dose commitment (Step 7) _____ = _____ rem.

PART II:

A	B	C	D	E
Thyroid dose at Sample Location (rem)	X/Q for Actual Sample Location	Fractional X/Q (A/B)	X/Q for each Distance	Thyroid Dose (rem) (CxD)
				Site Boundary
				2 mi.
				5 mi.
				10 mi.