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DONALD C. COOK NUCLEAR PLANT

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DOCUMENT — SUBJECT OR TITLE	DOCUMENT ORIGINATOR:	DOCUMENT NO. AND/OR REVISION	NO. OF COPIES ISSUED
PLANT MANAGER PROCEDURE			
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USE OF STABLE IODINE FOR THYROID BLOCKING DURING A RADIATION EMERGENCY	J. Fryer	PYP 2081 EPP.026 Rev.0	73 issued

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DONALD C. COOK NUCLEAR PLANTPLANT MANAGER PROCEDUREIndex

Identification Number	Title	Revision No. And Date	Comments
PMP 2081 EPP.025	Activation and Operation of the Emergency News Source (ENS) (An Emergency Operations Facility)	Revision 0 4-1-81	
EPP.026	Use of Stable Iodine for Thyroid Blocking During a Radiation Emergency	Revision 0 12-31-81	

INDIANA & MICHIGAN
ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT

PROCEDURE COVER SHEET

Procedure No. PMP 2081 EPP.026

Revision No. 0

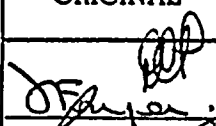
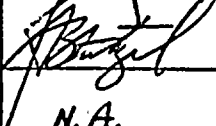


TITLE USE OF STABLE IODINE FOR THYROID BLOCKING
DURING A RADIATION EMERGENCY

SCOPE OF REVISION

DCR

JAN 15 1982

SIGNATURES

	ORIGINAL	Rev. 1	REV. 2	Rev. 3
PREPARED BY				
QUALITY ASSURANCE REVIEW				
INTERFACING DEPARTMENT HEAD CONCURRENCE	N.A.			
DEPARTMENT HEAD APPROVAL	N.A.			
PLANT NUCLEAR SAFETY COMMITTEE				
PLANT MANAGER APPROVAL				
DATE OF ISSUE	12-31-81			

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Revision Number and Date

Revision 0 - 12-31-81
Revision 0 - 12-31-81
Revision 0 - 12-31-81

INDIANA AND MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT

USE OF STABLE IODINE FOR THYROID BLOCKING
DURING A RADIATION EMERGENCY

1.0 OBJECTIVES

- 1.1 The objective of this procedure is to provide the mechanism and criteria for recommending usage of Potassium Iodide as a thyroid-blocking agent in a radiation emergency.

2.0 RESPONSIBILITIES

- 2.1 The Plant Manager is responsible for confirming the need for and for recommending the use of Potassium Iodide as a thyroid-blocking agent.
- 2.2 The Plant Radiation Protection Supervisor is responsible for providing adequate supplies of Potassium Iodide and for inventory and replacement as needed.

3.0 APPLICABILITY

- 3.1 This procedure is applicable whenever a measured or calculated Iodine dose to the thyroid of an individual is likely to meet or exceed 10^{-5} $\mu\text{c/cc}$ of airborne I-131 or 10 Rem dose to the thyroid.

4.0 INSTRUCTIONS

- 4.1 Upon notification by the Plant Manager that use of Potassium Iodide as a thyroid-blocking agent is anticipated, the Radiation Protection Director shall designate when and who shall receive Iodine thyroid-blocking.
- 4.2 The On-Site Emergency Coordinator shall notify the Berrien County Sheriff's Department and the Michigan State Police of the intended usage of Iodine thyroid-blocking for designated emergency personnel.

NOTE: Phone numbers for all personnel are contained in Appendix A of these Emergency Plan Procedures. Storage locations and quantities of Potassium Iodide tablets are specified in 12 THP 6010.RAD.222, Emergency Station Inventory.

- 4.3 Dispence one (1) 130 mg Potassium Iodide tablet to each individual that could be expected to enter a High-Level Radio-Iodine Environment as indicated in step 3.1. The dosage of one table per day should be continued for ten (10) days, unless otherwise directed.
- 4.4 Records shall be maintained on all individuals who have been issued/or have taken Potassium Iodide tablets. Utilize Checklist A to document those individuals that were issued the tablets.

NOTE: Potassium Iodide tablets may be taken up to four (4) hours after an exposure and still result in a 50% reduction in Iodine uptake.

USE OF STABLE IODINE FOR THYROID BLOCKING
DURING A RADIATION EMERGENCY

TABLETS ISSUED TO:

NAME: _____

SOCIAL SECURITY NO: _____

DATE AND TIME ISSUED FOR USE: _____

ISSUE AUTHORIZED BY: _____

DATE AND TIME
FIRST TABLET TAKEN: _____

NOTICE: ONCE THE USE OF POTASSIUM IODIDE TABLETS HAS STARTED, ONE (1) TABLET SHOULD BE TAKEN EACH DAY FOR TEN (10) DAYS, UNLESS NOTIFIED OTHERWISE.

RECEIPT OF POTASSIUM IODIDE TABLETS ACKNOWLEDGED:

SIGNATURE

