

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9711200043 DOC.DATE: 97/11/14 NOTARIZED: NO DOCKET.#
 FACIL:50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316
 AUTH.NAME AUTHOR AFFILIATION
 NOBLE,D. Indiana Michigan Power Co.
 BLIND,A.A. Indiana Michigan Power Co.
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 97-007-00:on 971014,contract worker received exposure in excess of 10CFR20.2202 limits.Caused by "hot particles" in right shoe.Collected particles from shoe & performed analysis for activity.W/971114 ltr.

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Indiana Michigan
Power Company
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106



November 14, 1997

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Operating Licenses DPR-74
Docket No. 50-316

Document Control Manager:

In accordance with the criteria established by 10 CFR 50.73 entitled Licensee Event Report System, the following report is being submitted:

97-007-00

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. A. Blind', is written over the typed name.

A. A. Blind
Site Vice President

/mbd

Attachment

c: A. B. Beach, Region III
E. E. Fitzpatrick
P. A. Barrett
S. J. Brewer
J. R. Padgett
D. Hahn
Records Center, INPO
NRC Resident Inspector

IE 22/1

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LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)
Donald C. Cook Nuclear Plant - Unit 2DOCKET NUMBER (2)
50-316

Page 1 of 1

TITLE (4)

Interim LER - Contract Worker Received Exposure in Excess of 10CFR20.2202 Limits

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
10	14	97	97	007	00	11	14	97	FACILITY NAME	DOCKET NUMBER
OPERATING MODE (9)		5	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 11: (Check one or more) (11)							
POWER LEVEL (10)		0	20.2201(b)		20.2203(a)(3)(i)		50.73(a)(2)(iii)		73.71(b)	
			X 20.2203(a)(1)		20.2203(a)(3)(ii)		50.73(a)(2)(iv)		73.71(c)	
			20.2203(a)(2)(i)		20.2203(a)(4)		50.73(a)(2)(v)		OTHER	
			20.2203(a)(2)(ii)		50.36(c)(1)		50.73(a)(2)(vi)		(Specify in Abstract below and in Text, NRC Form 366A)	
			20.2203(a)(2)(iii)		50.36(c)(2)		50.73(a)(2)(vii)(A)			
			20.2203(a)(2)(iv)		50.73(a)(2)(i)		50.73(a)(2)(viii)(B)			
			20.2203(a)(2)(v)		50.73(a)(2)(ii)		50.73(a)(2)(x)			

LICENSEE CONTACT FOR THIS LER (12)

NAME
Mr. Doug Noble, Radiation Protection ManagerTELEPHONE NUMBER (Include Area Code)
616/465-5901, x2527

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)

X YES	NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
			01	16	98

ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)

On October 14, 1997, with Unit 2 in Mode 5, a contract worker who alarmed a foot monitor upon exiting the Unit 2 containment was discovered to have "hot particles" in his right shoe. Results of the immediate investigation revealed that when the worker reported for work at Cook he reported having experienced an uptake of mixed fission and activation products at a previous work site, which was confirmed by spectral whole body count. The investigation further revealed that the contamination had most likely been present on the insole of the worker's right shoe since the worker returned from an assignment at a European facility in August, 1997. The particles were collected from the worker's shoe and analyzed for activity, which showed primary isotopic activity of Zr-95 and Nb-95. An estimated dose of 83 rem shallow dose equivalent to the right foot was preliminarily assessed based upon time estimates and the results of the isotopic analysis. A 24 hour ENS notification was made at 1600 hours EDT on October 15, 1997, under the requirements of 10CFR20.2202(b)(iii), for a shallow dose equivalent to the skin or extremities exceeding 50 rems. This interim LER is submitted in accordance with 10CFR20.2203(a)(1).

The investigation into this event is continuing. The particles have been sent to Teledyne for further analysis, which has not yet been completed. Additional information has been requested from the European facility, and the domestic nuclear site(s) that the worker was assigned to prior to his arrival at Cook. It is expected that the investigation will be completed, and an update to this interim LER issued by January 16, 1998.