REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8004010420 DOC.DATE: 80/03/24 NOTARIZED: NO DOCKET #
FACIL:50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana & 05000315
50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316
AUTH.NAME AUTHOR AFFILIATION
DOLAN,J.E. Indiana & Michigan Electric Co.
RECIP.NAME RECIPIENT AFFILIATION
DENTON,H.R. Office of Nuclear Reactor Regulation

SUBJECT: Requests permission to use divers to cut studs for replacement of racks in spent fuel pool.Dose calculations computed under two separate conditionsMax observed dose would be 0.7 man-rems.

DISTRIBUTION CODE: A001S COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 2
TITLE: General Distribution for after Issuance of Operating Lic

NOTES: I&E - 3 CYS ALL MATL.

	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL
ACTION:	05 BC ORB #1	7	7			
INTERNAL:	01 REG FILE	1	1	02 NRC PDR	1	1
	12 I&E	2	2	15 CORE PERF BR	1	1
	17 ENGR BR	1	1	18 REAC SFTY BR	1	1
	19 PLANT SYS BR	1	1	20 EEB	1	1
	21 EFLT TRT SYS	1	1	EPB-DOR	1	1
	OELD	1	0	STS GROUP LEADR	1	1
EXTERNAL:	03 LPDR	1	1	04 NSIC	1	1
	23 ACRS	16	16			

APR 3 1980

TOTAL NUMBER OF COPIES REQUIRED: LTTR ~~38~~ 41 ENCL ~~37~~ 40

MA 4 6D

INDIANA & MICHIGAN ELECTRIC COMPANY

P. O. BOX 18
BOWLING GREEN STATION
NEW YORK, N. Y. 10004

March 24, 1980
AEP:NRC:00213D

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74

SPENT FUEL STORAGE CAPACITY EXPANSION PROGRAM

Mr. Harold R. Denton, Director
Division of Operating Reactors
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Denton:

In our submittal No. AEP:NRC:00213B dated September 26, 1979, we informed you that the replacement of racks in the spent fuel pool (SFP) of the Donald C. Cook Nuclear Plant could be accomplished without the use of divers. However, due to the initially unforeseen interface with six anchor bolts welded to the bottom liner and its supports, we see ourselves forced both in the interest of time and for the benefit of the workers involved, to request permission to employ divers to cut the aforementioned studs. We have performed a calculation of the expected doses that workers cutting the studs would be receiving under two conditions. The first one assumes that the studs are cut from the SFP handling crane. Each stud will need between 8 and 12 hours to be cut. The second condition assumes that the diver will take approximately 20 minutes to cut each stud. Dose calculations based on actual measurements place the total absorbed dose at approximately 0.7 man-rem for the first method and at .2 man-rem using the diver, 3.5 times less. Consequently, the use of the diver represents a minor change in our earlier statements concerning the environmental and radiological impact of the change of spent fuel racks at the Donald C. Cook Plant, and indeed will reduce the dose received by workers involved in the task.

An expeditious granting of your permission to proceed with the use of a diver is respectfully requested.

Very truly yours,

John E. Dolan

John E. Dolan
Vice President

A001
S
1/1

JED/emc
cc: Attached

8004010420

cc: R. C. Callen
G. Charnoff
R. W. Jurgensen
R. S. Hunter
D. V. Shaller - Bridgman