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TO: E.C. CASE

FROM: INDIANA & MICHIGAN PWR CO.
NEW YORK, N.Y.
J. TILLINGHAST

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6/2/77

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DESCRIPTION

LTR. NOTARIZED 5/27/77 ...TRANS THE FOLLOWING
(2P)

ENCLOSURE

ATTACHMENT A- UPDATE OF SECTION III D.3.C. OF
THE FES
(1P)

ACKNOWLEDGED

DO NOT REMOVE

PLANT NAME: COOK # 1

SAB

SAFETY

FOR ACTION/INFORMATION

ENVIRO

ASSIGNED AD:

BRANCH CHIEF: Lec. ZIEMANN/KNIEL

PROJECT MANAGER:

LIC. ASST.: Lec. DIGGS/LEE

ASSIGNED AD:

BRANCH CHIEF: KNIGHTON

PROJECT MANAGER: (2) COTA

LIC. ASST.: SLATER

INTERNAL DISTRIBUTION

REG FILE

NRC PDR

I & E (3)

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PAWLICKI

PLANT SYSTEMS

TEDESCO

BENAROYA

LAINAS

IPPOLITO

KIRKWOOD

OPERATING REACTORS

STELLO

SITE SAFETY &

ENVIRO ANALYSIS

DENTON & MULLER

ENVIRO TECH.

ERNST

BALLARD

SPANGLER

SITE TECH.

GAMMILL

STAPP

HULMAN

SITE ANALYSIS

VOLLMER

BUNCH

J. COLLINS

KREGER

PROJECT MANAGEMENT

BOYD

P. COLLINS

HOUSTON

PETERSON

MELTZ

HELTMES

SKOVHOLT

REACTOR SAFETY

ROSS

NOVAK

ROSZTOCZY

CHECK

AT & I

SALTZMAN

RUTBERG

OPERATING TECH.

EISENHUT

SHAO

BAER

BUTLER

GRIMES

EXTERNAL DISTRIBUTION

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TIC:

NSIC:

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ACRS

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NAT. LAB: ANL

REG V.IE

LA PDR

CONSULTANTS:

BROOKHAVEN NAT. LAB.

ULRIKSON (ORNL)

CONTROL NUMBER

771550107

Envi

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INDIANA & MICHIGAN POWER COMPANY

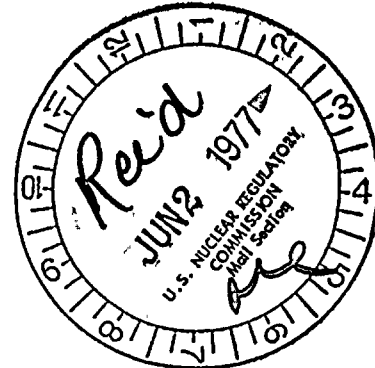
P. O. BOX 18
BOWLING GREEN STATION
NEW YORK, N. Y. 10004

Regulatory

File Cy

May 27, 1977

Donald C. Cook Nuclear Plant Unit Nos. 1&2
Docket Nos. 50-315 and 50-316
DPR No. 58 and CPPR No. 61



Mr. Edson G. Case, Acting Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Case:

Enclosed as Attachment A is an update of Section III D.3.C. of the Final Environmental Statement for Donald C. Cook Nuclear Plant prepared in response to a request from Mr. George W. Knighton, Chief of Environmental Projects Branch 1 at the Nuclear Regulatory Commission in his letter dated May 10, 1977.

Very truly yours,

John Tillinghast
John Tillinghast
Vice President

JT:mam
Enclosure

Sworn and subscribed to before me
the 27th day of May, 1977 in
New York County, New York

Kathleen Barry
Notary Public KATHLEEN BARRY
NOTARY PUBLIC, State of New York
No. 41-4606792
Qualified in Queens County
Certificate filed in New York County
Commission expires March 30, 1979

cc: see next page

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May 27, 1977

cc: G. Charnoff
R. C. Callen
P. W. Steketee
R. J. Vollen
R. Walsh
R. W. Jurgensen - Bridgman
R. S. Hunter

Attachment A

The majority of material contained in Section III D.3.C is correct and is updated by the addition of the following paragraphs:

During regeneration of the water treating plant demineralizers, a maximum of 31,000 gallons of regenerant wastes is directed to the turbine room sump. The sump is pumped down as low as possible prior to a demineralizer regeneration.

Since the turbine room sump has a maximum capacity of 110,000 gallons, there is sufficient reserve capacity available to neutralize the sump contents prior to exceeding the sump capacity

If, during a now unforeseen circumstance, the level in the Turbine Room Sump approaches the sump overflow before the contents of the sump are within the proper pH limits, action would be immediately taken to start a sump pump(s). If this action were not taken, the water would overflow to the circulating water system and be pumped to Lake Michigan.

Pumping out-of-specification (pH) sump water to the absorption field (or pond) is more environmentally acceptable than allowing it to overflow to Lake Michigan. In the absorption field, the out of specification water will mix with approximately 2,000,000 gallons of near neutral water (pH between 7.0 and 7.5) and will eventually be neutralized by the time it percolates through the bottom sediment of the absorption pond and enters the ground water that eventually flows into Lake Michigan.

Due to this neutralizing phenomenon and the infrequency at which out-of-specification (pH) water has to be pumped to the absorption pond, the effect on the environment will be negligible.

