

Docket No. 50-316

June 12, 1985

DISTRIBUTION

Docket File

L PDR
Gray File
OELD
BGrimes
DWigginton
ACRS 10

NRC PDR
ORB#1 Rdg
HThompson
EJordan
JPartlow
CParrish

Mr. John Dolan, Vice President
Indiana and Michigan Electric Company
c/o American Electric Power Service Corporation
1 Riverside Plaza
Columbus, Ohio 43216

Dear Mr. Dolan:

By letter dated March 20, 1985, the Indiana and Michigan Electric Company provided an evaluation of the Exxon LOCA issue for the Donald C. Cook Nuclear Plant Unit No. 2. This issue included evaluation of errors and reanalysis for the K(z) curve. Supplemental information was received by letters dated April 3 and 26, 1985.

We have completed our review as documented in the attached Safety Evaluation and have concluded that the Cycle 5 LOCA analysis did not contain the errors of concern, the revised analysis utilized an evaluation model in conformance with Appendix K and the revised analysis verifies that the Cycle 5 K(z) curve ensures compliance with 10 CFR 50.46. We note, however, that a new analysis will be required for Cycle 6.

This completes this issue for Cycle 5.

Sincerely,

/s/SVarga

Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing

Enclosure:
Safety Evaluation

cc w/enclosure:
See next page

8507010388 850612
PDR ADDCK 05000316
P PDR

ORB#1:DL
CParrish
6/1/85

ORB#1:DL
DWigginton;ps
6/1/85

ORB#1:DL
SVarga
6/1/85

SECRET
EX-100
EX-101
EX-102
EX-103
EX-104
EX-105
EX-106
EX-107
EX-108
EX-109
EX-110
EX-111
EX-112
EX-113
EX-114
EX-115
EX-116
EX-117
EX-118
EX-119
EX-120

SECRET
EX-100
EX-101
EX-102
EX-103
EX-104
EX-105
EX-106
EX-107
EX-108
EX-109
EX-110
EX-111
EX-112
EX-113
EX-114
EX-115
EX-116
EX-117
EX-118
EX-119
EX-120

SECRET
EX-100
EX-101
EX-102
EX-103
EX-104
EX-105
EX-106
EX-107
EX-108
EX-109
EX-110
EX-111
EX-112
EX-113
EX-114
EX-115
EX-116
EX-117
EX-118
EX-119
EX-120

SECRET
EX-100
EX-101
EX-102
EX-103
EX-104
EX-105
EX-106
EX-107
EX-108
EX-109
EX-110
EX-111
EX-112
EX-113
EX-114
EX-115
EX-116
EX-117
EX-118
EX-119
EX-120

SECRET
EX-100
EX-101
EX-102
EX-103
EX-104
EX-105
EX-106
EX-107
EX-108
EX-109
EX-110
EX-111
EX-112
EX-113
EX-114
EX-115
EX-116
EX-117
EX-118
EX-119
EX-120

SECRET
EX-100
EX-101
EX-102
EX-103
EX-104
EX-105
EX-106
EX-107
EX-108
EX-109
EX-110
EX-111
EX-112
EX-113
EX-114
EX-115
EX-116
EX-117
EX-118
EX-119
EX-120

SECRET
EX-100
EX-101
EX-102
EX-103
EX-104
EX-105
EX-106
EX-107
EX-108
EX-109
EX-110
EX-111
EX-112
EX-113
EX-114
EX-115
EX-116
EX-117
EX-118
EX-119
EX-120

SECRET
EX-100
EX-101
EX-102
EX-103
EX-104
EX-105
EX-106
EX-107
EX-108
EX-109
EX-110
EX-111
EX-112
EX-113
EX-114
EX-115
EX-116
EX-117
EX-118
EX-119
EX-120

Mr. John Dolan
Indiana and Michigan Electric Company

Donald C. Cook Nuclear Plant

cc:

Mr. M. P. Alexich
Vice President
Nuclear Operations
American Electric Power Service
Corporation
1 Riverside Plaza
Columbus, Ohio 43215

The Honorable John E. Grotberg
United States House of Representatives
Washington, DC 20515

James G. Keppler
Regional Administrator - Region III
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Attorney General
Department of Attorney General
525 West Ottawa Street
Lansing, Michigan 48913

J. Feinstein
American Electric Power
Service Corporation
1 Riverside Plaza
Columbus, Ohio 43216

Township Supervisor
Lake Township Hall
Post Office Box 818
Bridgman, Michigan 49106

W. G. Smith, Jr., Plant Manager
Donald C. Cook Nuclear Plant
Post Office Box 458
Bridgman, Michigan 49106

U.S. Nuclear Regulatory Commission
Resident Inspectors Office
7700 Red Arrow Highway
Stevensville, Michigan 49127

Gerald Charnoff, Esquire
Shaw, Pittman, Potts and Trowbridge
1800 M Street, N.W.
Washington, DC 20036

Mayor, City of Bridgeman
Post Office Box 366
Bridgman, Michigan 49106

Special Assistant to the Governor
Room 1 - State Capitol
Lansing, Michigan 48909

Nuclear Facilities and Environmental
Monitoring Section Office
Division of Radiological Health
Department of Public Health
3500 N. Logan Street
Post Office Box 30035
Lansing, Michigan 48909