

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
D. C. COOK NUCLEAR PLANT, UNIT 1DOCKET NUMBER (2)
0 5 0 0 0 3 1 5 1 OF 0 1TITLE (4)
ACUTATION OF ENGINEERED SAFETY FEATUREEVENT DATE (5)
MONTH DAY YEAR
0 5 0 2 8 5 8 5
LER NUMBER (6)
YEAR SEQUENTIAL NUMBER REVISION NUMBER
0 2 2 0 0 0 5 3 0 8 5
REPORT DATE (7)
MONTH DAY YEAR
0 5 0 3 0 8 5
OTHER FACILITIES INVOLVED (8)
FACILITY NAMES
DOCKET NUMBER(S)
0 5 0 0 0 0 0 0 0 0 0 0OPERATING MODE (9)
6
POWER LEVEL (10)
0 0 0
THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)
20.402(b) 20.405(e) X 50.73(a)(2)(iv) 73.71(b)
20.405(a)(1)(i) 50.38(e)(1) 50.73(a)(2)(v) 73.71(e)
20.405(a)(1)(ii) 50.38(e)(2) 50.73(a)(2)(vi) OTHER (Specify in Abstract below and in Text, NRC Form 366A)
20.405(a)(1)(iii) 50.73(a)(2)(i) 50.73(a)(2)(viii)(A)
20.405(a)(1)(iv) 50.73(a)(2)(ii) 50.73(a)(2)(viii)(B)
20.405(a)(1)(v) 50.73(a)(2)(iii) 50.73(a)(2)(ix)LICENSEE CONTACT FOR THIS LER (12)
NAME
T. A. KRIESEL - TECHNICAL PHYSICAL SCIENCES SUPERINTENDENT
TELEPHONE NUMBER
AREA CODE
6 1 6 4 6 5 - 5 9 0 1COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)
CAUSE SYSTEM COMPONENT MANUFACTURER REPORTABLE TO NRC
CAUSE SYSTEM COMPONENT MANUFACTURER REPORTABLE TO NRCSUPPLEMENTAL REPORT EXPECTED (14)
YES (If yes, complete EXPECTED SUBMISSION DATE) X NO
EXPECTED SUBMISSION DATE (15)
MONTH DAY YEAR

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

ON MAY 2 AT 1153 HOURS, MAY 4 AT 0436 HOURS, MAY 5 AT 2220 HOURS, MAY 6 AT 0610 HOURS, AND MAY 7, 1985 AT 0731 HOURS WITH UNIT 1 REACTOR COOLANT SYSTEM IN MODE 6 (REFUELING), HIGH ALARMS WERE RECEIVED ON THE LOWER CONTAINMENT RADIATION MONITOR PARTICULATE CHANNELS ERS-1301/ERS-1401 (IEEE/RM). THE HIGH ALARMS RESULTED IN A CONTAINMENT VENTILATION ISOLATION WHICH IS AN AUTOMATIC ACTUATION OF AN ENGINEERED SAFETY FEATURE.

THE CAUSE OF THE HIGH ALARMS WAS ATTRIBUTED TO THE CHANNEL GROSS COUNT RATE APPROACHING THE FIXED BACKGROUND SUBTRACT COUNT RATE. THIS OCCURS WHEN THE UNIT IS SHUT DOWN AND THE CONTAINMENT RADIOACTIVITY LEVEL DECREASES. STATISTICAL VARIATIONS IN THE DETECTION OF RADIOACTIVE DECAY, COUPLED WITH THE LOW AMBIENT ACTIVITY, RESULTED IN EXCESSIVE FLUCUATIONS OF THE INDICATED ACTIVITY PRODUCING THE ERRONEOUS HIGH ALARMS.

THE BACKGROUND VALUE WILL BE MONITORED/UPDATED ON A MORE FREQUENT BASIS FOLLOWING A UNIT SHUTDOWN TO PREVENT THE CHANNEL GROSS COUNT RATE FROM APPROACHING THE FIXED BACKGROUND SUBTRACT COUNT RATE.

THE CONTAINMENT RADIOACTIVITY WAS LOW AND THERE WAS NO CONCURRENT VENT STACK MONITOR ALARM, CONSEQUENTLY, IT IS CONCLUDED THAT THE HEALTH AND SAFETY OF THE PUBLIC WERE NOT AFFECTED.

A SIMILAR OCCURRENCE WAS PREVIOUSLY REPORTED IN 316/84-007.

8506050014 850530
PDR ADOCK 05000315
S PDRIE 22
11



INDIANA & MICHIGAN ELECTRIC COMPANY

DONALD C. COOK NUCLEAR PLANT
P.O. Box 458, Bridgman, Michigan 49106
(616) 465-5901

May 30, 1985

United States Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

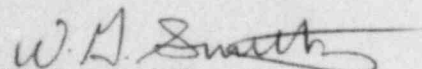
Operating License DPR-58
Docket No. 50-315

Document Control Manager:

In accordance with the criteria established by 10CFR50.73
entitled Licensee Event Reporting System, the following
report/s are being submitted:

RO 85-022-0

Sincerely,


W.G. Smith, Jr.
Plant Manager

/cbm

Attachment

cc: John E. Dolan
J.G. Keppler, RO:III
M.P. Alexich
R.F. Kroeger
H.B. Brugger
R.W. Jurgensen
NRC Resident Inspector
R.C. Callen, MPSC
G. Charnoff, Esq.
J.M. Hennigan
INPO
PNSRC
J.F. Stietzel
A.A. Blind
Dottie Sherman, ANI Library

IE22
1/1