

Indiana Michigan
Power Company
500 Circle Drive
Buchanan, MI 49107 1373



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U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop O-P1-17
Washington, DC 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2
2001 ANNUAL OPERATING REPORT

Technical Specifications 6.9.1.4 and 6.9.1.5 of Appendix A to the Donald C. Cook Nuclear Plant Unit 1 and Unit 2 operating licenses require that an annual report be submitted to address personnel exposure, steam generator in-service inspection results, challenges to power-operated relief and safety valves, and information regarding any instances when the I-131 specific activity limit was exceeded. Consistent with these requirements, a copy of the 2001 annual operating report is attached.

There are no new commitments in this submittal. Should you have any questions, please contact Mr. Gordon P. Arent, Manager of Regulatory Affairs, at (616) 697-5553.

Sincerely,

A handwritten signature in dark ink, appearing to read 'S. A. Greenlee'.

S. A. Greenlee
Director of Nuclear Technical Services

/bjb

Attachment

1001

c: K. D. Curry, w/o attachment
J. E. Dyer
MDEQ - DW & RPD, w/o attachment
NRC Resident Inspector
R. Whale, w/o attachment

bc: G. P. Arent, w/o attachment
A. C. Bakken
P. B. Cowan, w/o attachment
M. J. Finissi, w/o attachment
R. W. Gaston, w/o attachment
S. A. Greenlee, w/o attachment
S. B. Haggerty
D. W. Jenkins, w/o attachment
J. E. Pollock, w/o attachment
M. W. Rencheck, w/o attachment
J. F. Stang, Jr., NRC – Washington, D.C.
T. R. Stephens

2001 Annual Operating Report

1.0 INTRODUCTION

Plant Description

Indiana Michigan Power Company is the licensee for Donald C. Cook Nuclear Plant. The plant is located north of Bridgman, Michigan. The plant consists of two nuclear units, each employing a Westinghouse pressurized water reactor nuclear steam supply system. Each reactor unit employs an ice condenser reactor containment system. The American Electric Power Service Corporation was the architect-engineer and constructor.

Units 1 and 2 reactor licensed power levels are 3250 Mwt and 3411 Mwt, respectively. The main condenser cooling method is open cycle using Lake Michigan water as the cooling source for each unit.

2.0 PERSONNEL RADIATION EXPOSURE SUMMARY

Page 2 of this attachment provides a summary of the number of station, utility, and contractor/other personnel receiving exposures greater than 100 millirem (mr) in 2001. This estimated dose is based on electronic dosimetry and reported in the format specified by Regulatory Guide 1.16.

The values shown in the individual categories (routine maintenance, etc.) represent the number of people who received greater than 100 mr in that particular category. The grand total figure represents the total number of people who received 100 mr, whether in one of the categories or multiple categories. A specific person could receive dose in two or more categories, but they would be counted only once in the grand total. As a result, the sum of the individual category totals does not necessarily equal the grand total.

Reg. Guide 1.16 Report
INDIANA MICHIGAN POWER / COOK NUCLEAR PLANT
 Prepared for Year 2001

Number of Personnel and Man-Rem by Work and Job Function

	<u>Number of Personnel > 100 mrem</u>			<u>Total Person-Rem</u>		
	Station Employees -----	Utility Employees -----	Contractors and Others -----	Station Employees -----	Utility Employees -----	Contractors and Others -----
Reactor Operation & Surveillance						
-Maintenance	1	0	0	0.453	0.005	0.353
-Operations	0	0	0	1.640	0.001	0.165
-Health Physics	0	0	0	0.347	0.002	0.002
-Supervisory	0	0	0	0.015	0.000	0.021
-Engineering	0	0	0	0.160	0.023	0.079
Routine Maintenance						
-Maintenance	10	0	4	5.089	0.065	2.283
-Operations	1	0	0	2.348	0.043	0.226
-Health Physics	19	0	1	5.000	0.000	0.230
-Supervisory	0	0	0	0.029	0.000	0.067
-Engineering	0	0	0	0.277	0.006	0.229
Inservice Inspection						
-Maintenance	0	0	0	0.045	0.000	0.100
-Operations	0	0	0	0.034	0.001	0.002
-Health Physics	0	0	0	0.005	0.000	0.000
-Supervisory	0	0	0	0.000	0.000	0.000
-Engineering	0	0	0	0.005	0.000	0.051
Special Maintenance						
-Maintenance	1	0	23	0.342	0.000	6.554
-Operations	0	0	2	0.117	0.000	0.762
-Health Physics	2	0	0	0.811	0.000	0.073
-Supervisory	0	0	0	0.000	0.000	0.060
-Engineering	0	0	0	0.004	0.000	0.028
Waste Processing						
-Maintenance	0	0	0	0.081	0.001	0.130
-Operations	0	0	0	0.019	0.000	0.049
-Health Physics	3	0	0	1.243	0.000	0.110
-Supervisory	0	0	0	0.001	0.000	0.000
-Engineering	0	0	0	0.015	0.000	0.004
Refueling						
-Maintenance	0	0	0	0.173	0.000	0.169
-Operations	0	0	0	0.058	0.000	0.023
-Health Physics	0	0	0	0.040	0.000	0.000
-Supervisory	0	0	0	0.009	0.000	0.006
-Engineering	0	0	0	0.007	0.000	0.002
Totals						
-Maintenance	15	0	31	6.183	0.071	9.589
-Operations	4	0	2	4.216	0.044	1.227
-Health Physics	27	0	1	7.445	0.002	0.414
-Supervisory	0	0	0	0.054	0.000	0.153
-Engineering	0	0	0	0.467	0.029	0.394
Grand Totals	46	0	34	18.366	0.147	11.778

3.0 STEAM GENERATOR INSPECTIONS

No steam generator tube in-service inspections were performed on either Unit 1 or Unit 2

4.0 CHALLENGES TO PRESSURIZER POWER OPERATED RELIEF VALVES (PORVs) AND SAFETY VALVES

There were no challenges to the pressurizer PORVs or the pressurizer safety valves on either Unit 1 or Unit 2.

5.0 REACTOR COOLANT SPECIFIC ACTIVITY

There were no instances in which the reactor coolant dose equivalent I-131 specific activity exceeded the limits of Technical Specification 3.4.8 (greater than or equal to 1 $\mu\text{Ci/g}$) in either Unit 1 or Unit 2. Compliance was determined by routine gamma spectrometry analysis of reactor coolant.