

CONSUMERS POWER COMPANY  
APPLICATION FOR  
REACTOR CONSTRUCTION PERMIT AND OPERATING LICENSE

Docket No 50-329  
Docket No 50-330

Amendment No 24

Enclosed herewith, amending and supplementing the above-entitled application, are the following:

"Revised and updated description of proposed meteorological monitoring program which will be conducted at the Midland Plant site, consisting of revised PSAR, Page 2A-42c and new Page 2A-42d; and new Figures 2A12, 2A13 and 2A14.

"Permanent tab 'Appendix 8A' to replace temporary tab."

It is requested that the staff review of this amendment be completed by February 1, 1974. Procurement and installation of the meteorological towers and instrumentation are scheduled to begin early in 1974.

CONSUMERS POWER COMPANY

Dated December 10, 1973

By S. H. Howell  
S. H. Howell, Vice President

Sworn and subscribed to before me on this 10th day of December 1973.

Sylvia B. Ball  
Notary Public, Jackson County, Michigan  
My Commission Expires May 18, 1976

8006090 675

Superseded by PSAR  
Amend #24 to PSAR  
dtd 12-10-73

INFORMATION TO BE OBTAINED

Continuous meteorological data (wind direction and velocity) are being recorded and will continue until a year's history is obtained from the weather station at the Dow Building No. 47. This data will be used to further evaluate and, if necessary, upgrade the meteorological constants used in the diffusion models. If warranted, new dose calculations based on this data and the predicted fission product source term, considering containment safeguards, will be submitted as a supplement to the PSAR.

It is recognized that the data collected at Building No. 47 are potentially more representative of the meteorological conditions at the proposed Midland site than those collected at Dow Building No. 417 and at the Saginaw Tri-City Airport. This is because Building No. 47 is located near the proposed site (Ref Figure 2A-2) and is sufficiently isolated from other structures to preclude excessive unrepresentative meteorological disturbances.

The data now available from Building No. 47 are inadequate because they were intermittently collected over short periods of time.

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL  
(TEMPORARY FORM)

CONTROL NO: 8807

FILE: April

FROM: Consumers Power Company Jackson, Michigan 49201 Stephen H. Howell			DATE OF DOC 12-10-73	DATE REC'D 12-11-73	LTR X	MEMO	RPT'	OTHER
TO: Mr. O'Leary			ORIG 1 signed	CC	OTHER	SENT AEC PDR <u>X</u> SENT LOCAL PDR <u>X</u>		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: <u>50-329</u> 330		

DESCRIPTION:  
Ltr trans the following:  
*10/12/18 B30*  
NOTE: Also submitted is "Permanent tab  
'Appendix 8A' to replace Temporary tab"  
**ACKNOWLEDGED Do Not Remove**  
PLANT NAME: Midland Units 1 & 2

ENCLOSURES:  
AMDT # 24 to the PSAR, notarized 12-10-73,  
consisting of updated description of the  
proposed meteorological monitoring program  
& Rev page 2A-42c & new page 2A-42d & new  
Figs 2A12, 2A13 & 2A14 to the PSAR  
CERTIFICATE OF SERVICE, showing svc of  
Amdt # 24 to PSAR, upon Raymond A.  
VanSteenhouse, et al.  
( 3 signed & 70 cys of Amdt & 1 cy of Cert.)

FOR ACTION/INFORMATION 12-11-73 AB

- |                        |                              |                            |                       |
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|                             | ✓ BENAROYA      | HARLESS           |                 |
|                             | ✓ VOLLNER       |                   |                 |

EXTERNAL DISTRIBUTION

- |   |  |   |                        |
|---|--|---|------------------------|
| ✓ 1 - LOCAL PDR Midland, Mich.            |  |   |                        |
| ✓ 1 - DTIE(ABERNATHY)                     |  | ✓ <del>1</del> (2) <del>60</del> NATIONAL LAB'S ANL | 1-PDR-SAN/LA/NY        |
| ✓ 1 - NSIC(BUCHANAN)                      |  | 1-ASLBP(E/W Bldg, Rm 529)                           | ✓ 1-GERALD LELLOUCHE   |
| 1 - ASLB(YORE/SAYRE/<br>WOODARD/"H" ST.   |  | 1-W. PENNINGTON, Rm E-201 GT                        | BROOKHAVEN NAT. LAB    |
| ✓ 16 - CYS ACRS HOLDING SENT TO LIC ASST. |  | 1-CONSULTANT'S                                      | 1-AGMED(Ruth Gussman)  |
|   |  | NEWMARK/BLUME/AGBABIAN                              | RM-B-127, GT.          |
|   |  | 1-GERALD ULRIKSON...ORNL                            | 1-RD..MULLER..F-309 GT |