

**NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)**

CONTROL NO: **7632**

FILE: _____

FROM: Iowa Electric Light and Power Co. Cedar Rapids, Iowa Charles W. Sanford			DATE OF DOC 7-3-75	DATE REC'D 7-17-75	LTR xxx	TWX	RPT	OTHER
TO: Mr. Benard C. Rusche			ORIG 1-signed	CC	OTHER	SENT NRC PDR xxxx SENT LOCAL PDR xx		
CLASS	UNCLASS xxxxxx	PROP INFO	INPUT	NO CYS REC'D		DOCKET NO: 50-331		

DESCRIPTION:

Ltr trans the following:

**ACKNOWLEDGED
DO NOT REMOVE**

ENCLOSURES:

Meteorological data for 1971: + 1979
1971 Wind Frequency Distribution
1974 Wind Frequency Distribution (Quarterly)
1971 and 1974 CHI/Q Frequency Distributions
1971 and 1974 Annual Average CHI/Q

(40 cys enc'l rec'd)

PLANT NAME:

Duane Arnold

FOR ACTION/INFORMATION

7-18-75 JGB

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INTERNAL DISTRIBUTION

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EXTERNAL DISTRIBUTION

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1 - ASLB	NEWMARK/BLUME/AGBABIAN	
1 - Newton Anderson		
114 - ACRS HOLDING/		

IOWA ELECTRIC LIGHT AND POWER COMPANY

CHARLES W. SANDFORD
EXECUTIVE VICE PRESIDENT

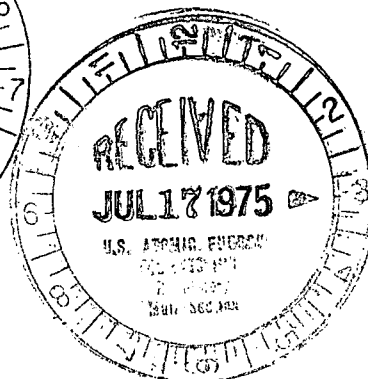
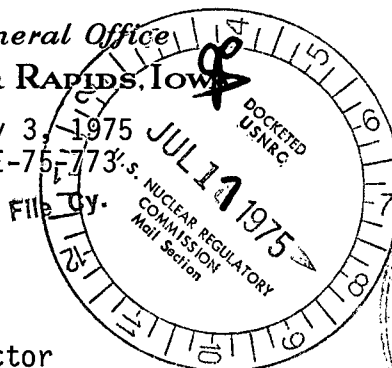
General Office
CEDAR RAPIDS, IOWA

July 3, 1975

IE-75-773

File by

Regulatory



Mr. Benard C. Rusche, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20545

Dear Mr. Rusche: 50 - 331

Since our submission of the DAEC Meteorological Data Supplement to the FSAR, Regulatory Guide 1.23 has been issued. The delta T stability categories defined in Regulatory Guide 1.23 are different than those used in our meteorological supplement.

Included herein is meteorological data for 1971 (recalculated with current delta T definitions) and 1974. CHI/Q values at the LPZ have been calculated for a ground level release for 1971 and 1974 using the enclosed input. Values that were exceeded 5% of the time are as follows:

Time Period	Data Sample	
	1971	1974
1 hour	7.7×10^{-5}	6.0×10^{-5}
0 - 8 hr	6.7×10^{-5}	5.1×10^{-5}
8 - 24 hr	7.3×10^{-6}	5.9×10^{-6}
24 - 96 hr	4.4×10^{-6}	4.3×10^{-6}
96 - 720 hr	5.7×10^{-7} (WSW)	4.1×10^{-7} (WSW)
Annual Average		
Maximum Sector	2.1×10^{-7} (N)	2.0×10^{-7} (N).

Very truly yours,

Charles W. Sandford
Charles W. Sandford
Executive Vice President

CWS/KAM/ms

Enc.

cc: J. Newman w/o enc.
L. Liu w/o enc.

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Mr. Benard C. Rusche
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Encls: 1971 Wind Frequency Distribution
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