



Docket No. 50-346

November 19, 1976

Serial No. 152

LOWELL E. ROE
Vice President
Facilities Development
(419) 259-5242

Director of Nuclear Regulation
Attention: Mr. John F. Stolz, Chief
Light Water Reactor Branch No. 1
Division of Project Management
United States Nuclear Regulatory Commission
Washington, D.C. 20555



Dear Mr. Stolz:

In accordance with your October 1, 1976 letter relating to the Davis-Besse Nuclear Power Station Unit 1 meteorological data, we are transmitting under separate cover forty (40) copies of the following data from the 340 foot on-site meteorological tower:

1. An additional one year of data, August 4, 1975 through August 3, 1976, in the form of joint frequency distributions of wind, speed and direction by atmospheric stability class (defined by ΔT) using wind speed and direction at 35 feet and ΔT_{35-250} .
2. Joint frequency distributions of wind speed and direction by atmospheric stability class (defined by ΔT) using wind speed and direction at 35 feet and ΔT_{35-250} for the two year period August 4, 1974 through August 3, 1976.

We have computed the fifth percentile χ/Q values based on this additional year of data and compared them to the fifth percentile χ/Q values presently in the FSAR, based on the August 4, 1974 to August 3, 1975 data. This comparison, presented below, demonstrates that the previous χ/Q values, even though differing from other sites, are representative of the meteorology at the Davis-Besse site.



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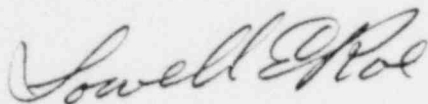
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Fifth Percentile χ/Q Values

<u>Accident Period (hr)</u>	<u>Distance</u>	<u>8/4/74 - 8/3/75 Data</u>	<u>8/4/75 - 8/3/76 Data</u>
1	Actual Site Boundary	1.9×10^{-4}	1.7×10^{-4}
2	Actual Site Boundary	1.5×10^{-4}	1.4×10^{-4}
8	LPZ (3200m)	9.9×10^{-6}	7.7×10^{-6}
16	LPZ	2.3×10^{-6}	1.8×10^{-6}
72	LPZ	1.5×10^{-6}	1.0×10^{-6}
(3 days)			
624	LPZ	5.6×10^{-7}	4.5×10^{-7}
(26 days)			

We feel this data will permit you and your staff to complete action on all Safety Evaluation Report items which have been kept open pending submission of this additional meteorological data. We are ready to discuss this data, if necessary, with you and your staff at your earliest convenience.

Yours very truly,



bj pc 29/39