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SEP 12 1974

D. R. Muller, Assistant Director for Environmental Project, L

METEOROLOGY INPUT TO ENVIRONMENTAL TECHNICAL SPECIFICATIONS

PLANT NAME: Monticello  
LICENSING STAGE: Continuation of FTL  
DOCKET NUMBER: 50-263  
RESPONSIBLE BRANCH: EP #4  
REQUESTED COMPLETION DATE: September 6, 1974

Enclosed is the proposed Meteorological Section for the Environmental Technical Specifications being developed for the subject plant. Please include the section in your transmittal to the applicant. This input was prepared by J. E. Fairbent and E. H. Markee, Jr., Site Analysis Branch, L.

Original Signed by  
W. R. Denton

Harold K. Denton, Assistant Director  
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Enclosure:  
As stated

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DATE	9/10/74	9/10/74	9/10/74	9/11/74		

MONTICELLO NUCLEAR GENERATING STATION  
ENVIRONMENTAL TECHNICAL SPECIFICATIONS

3.1.1.b(3) Meteorological Monitoring

Objective

The objective of meteorological monitoring is to adequately measure and document meteorological conditions at the site.

Specification

The meteorological monitoring system shall conform to the recommendations in Regulatory Guide 1.23, Onsite Meteorological Programs. The height(s) of wind speed and direction sensors shall be representative of conditions at the height of radioactive effluent release. Vertical temperature gradient shall be measured between ten meters and a height not less than forty meters which shall be representative of stability conditions of the atmospheric layer into which the effluent is released.

Reporting Requirements

Meteorological data shall be summarized in a format consistent with the recommendations of Regulatory Guide 1.23, and observations in a form consistent with National Weather Service procedures. Summaries of data and observations shall be available to the U.S. Atomic Energy Commission upon request and in conformance with Regulatory Guide 1.21 (Rev. 1, 6/74). If the outage time of any of the meteorological instruments exceeds seven consecutive days, the total outage time and dates of outage, the cause of the outage, and the instrument(s) involved shall be reported within 30 days of the initial time of the outage to the U.S. Atomic Energy Commission, Directorate of Licensing. Any modifications to the meteorological monitoring program as described above

shall have the written approval of the U.S. Atomic Energy Commission, Directorate of Licensing, prior to initiation of the modification.

Bases

The collection of meteorological data at the plant site will provide information which may be used to develop atmospheric diffusion parameters to estimate potential radiation doses to the public resulting from actual routine or accidental releases of radioactive materials to the atmosphere. A meteorological data collection program as described above is necessary to meet the requirements of sub-paragraph 50.36 a (a)(2) of 10 CFR Part 50 and Appendices D and E to 10 CFR Part 50.