

50-3073

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MEMORANDUM FOR: S. Ramos, Chief  
Emergency Preparedness Development Branch, DEP, IE

FROM: R. Wayne Houston, Chief  
Accident Evaluation Branch, DSI, NRR

SUBJECT: METEOROLOGY REVIEW OF THE SUSQUEHANNA EMERGENCY PLAN

In response to your April 20, 1981, TAR; the Susquehanna Radiological Emergency Plan (REP), Revision 4, March 1981 has been reviewed regarding the meteorological program to be used at the site.

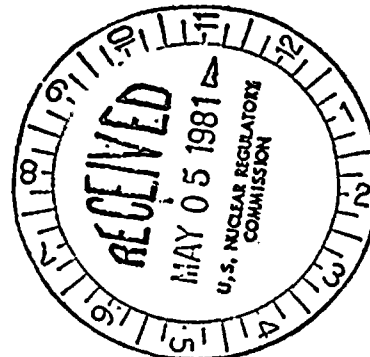
The material presented in the REP does not deal specifically with the details of the meteorological program and provides only brief descriptions of procedures to be followed using either onsite or offsite data. This information is not sufficient for us to determine that the criteria of NUREG-0654 Appendix 2 have been met. The enclosed comments were prepared by J. Levine of the Meteorology Section.

Original signed by:

R. Wayne Houston, Chief  
Accident Evaluation Branch  
Division of Systems Integration

Enclosure:  
As stated

- cc w/encl.
- R. Mattson
- W. Kreger
- F. Pagano
- B. Zalzman
- R. Stark
- S. Chestnut
- J. Levine



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| OFFICE  | DSI: AEB | DSI: AEB  |  |  |  |  |  |
| SURNAME | JLevine  | RWHouston |  |  |  |  |  |
| DATE    | 4/11/81  | 4/12/81   |  |  |  |  |  |



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13

## Sequahanna Emergency Plan - Meteorology Review

The meteorological program requirements of NUREG-0654 Appendix 2 are not yet satisfied.

At the present time, reliance on meteorological data from the 300-ft onsite meteorological tower serves as the principal means of providing measurements for use in the dose assessment offsite. There is inadequate information on backup meteorological measurements systems, a remote interrogation capability, and auxiliary power supplies, however. ~~No~~ information regarding a proposed Class A model is provided to identify the factors used in determining the relative concentrations to be used in dose assessment.

