

OCT 03 1991

METEOROLOGICAL

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MEMORANDUM FOR: Joseph J. Holonich, Acting Director  
Repository Licensing and Quality Assurance  
Project Directorate  
Division of High-Level Waste Management

FROM: Margaret V. Federline, Chief  
Hydrology and Systems Performance Branch  
Division of High-Level Waste Management

SUBJECT: PHASE I REVIEW OF METEOROLOGICAL MONITORING PLAN (STUDY PLAN  
FOR METEOROLOGICAL DATA COLLECTION AT THE YUCCA MOUNTAIN SITE  
8.3.1.12.2.1, REVISION 0) [PPSAS 411431, TACS L60196]

As requested, we have completed the Phase I review of the Meteorological Monitoring Plan (Study Plan for Meteorological Data Collection at the Yucca Mountain Site) Revision 0 (see enclosure). This review was conducted using the Review Plan for NRC Staff Review of DOE Study Plans Revision 1 (Dec. 6, 1990).

The subject document describes the method of collecting site-specific meteorological data to be used in the assessment of environmental impacts from potential emission releases, as background information to air quality permits, and as input to the eventual environmental impact statement for the Project. The data will also serve as input to site characterization studies dealing with regional meteorology, extreme weather phenomena, and synthesis of meteorological monitoring activities.

The principal finding of this review is that the studies described will not have any adverse effect on repository performance, site characterization, or characterization schedules. In addition, based on the criteria in the Review Plan, the document may be considered a candidate for a detailed technical review. We recommend, however, that this document not be further reviewed as a study plan for site characterization, primarily because of its emphasis on operational issues rather than repository performance. Instead, we recommend that this plan be reviewed at some later date to determine if it adequately supports the radiological monitoring plan which has been previously submitted by DOE.

The review was conducted by John Bradbury of the Hydrologic Transport Section, who can be reached on extension 20535.

*151*  
Margaret V. Federline, Chief  
Hydrology and Systems Performance Branch  
Division of High-Level Waste Management

Enclosure:

As stated

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PHASE I REVIEW

*See enclosure shelf*