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MEMORANDUM FOR: T. Ippolito, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors

FROM: G. Lainas, Chief  
Plant Systems Branch  
Division of Operating Reactors

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION - CONTAINMENT  
PURGE SYSTEM - MONTICELLO NUCLEAR GENERATING  
PLANT (TAC 10176)

- REFERENCES:
1. Letter to Director of Nuclear Reactor Regulation from L. O. Mayer, "Containment Purging During Normal Plant Operation," dated January 3, 1979
  2. Letter to J. G. Keppler, from L. O. Mayer, "Vent Isolation Valve Design Problem," dated March 15, 1979
  3. Letter to Director of Nuclear Reactor Regulation from L. O. Mayer, "Containment Purging During Normal Plant Operation," dated June 7, 1979.

Plant Name: Monticello Nuclear Generating Plant  
Docket No.: 50-263  
Project Manager: R. Bevan  
Review Status: Awaiting Information

With regard to the containment purge and vent system at Monticello Nuclear Generating Plant, the licensee plans to justify unlimited purging (References 1 and 3). The Plant Systems Branch, Section B, after having reviewed the documents (References 1 through 3) filed by the licensee, has prepared the enclosed request for additional information. Section A is continuing their review and may provide questions regarding the electrical and instrumentation aspects of containment purging in December 1979.

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G. Lainas, Chief  
Plant Systems Branch  
Division of Operating Reactors

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OFFICE > Enclosure:

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DATE	10/26/79	10/26/79	10/16/79	10/26/79	10/30/79	

REQUEST FOR ADDITIONAL INFORMATION  
FOR CONTAINMENT PURGE SYSTEM AND  
CONTAINMENT VENTING SYSTEM FOR  
MONTICELLO NUCLEAR GENERATING PLANT  
DOCKET NO. 50-263

With regard to the containment purge and venting system, provide the following information:

1. Discuss the provisions made to ensure that isolation valve closure will not be prevented by debris which could potentially become entrained in the escaping air and steam.
2. Quantify the amount of containment atmosphere released through the purge and vent isolation valves for a spectrum of break sizes during the maximum time allowed for them to close in your Technical Specifications.
3. Provide an analysis to demonstrate the acceptability of the provisions made to protect structures and safety-related equipment; e.g., fans, filters, and ductwork, located beyond the purge system isolation valves against loss of function.
4. For the containment purge isolation valves, specify the differential pressure across the valve for which the maximum leak rate occurs. Further, provide test results (e.g., from vendor tests of leakage rate versus valve differential pressure) which support the above information.