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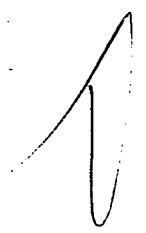
SUBJECT: Submits description of battery room ventilation air flow monitoring installation.

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NORTHERN STATES POWER COMPANY

Minneapolis, Minnesota 55401

June 24, 1980

Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, DC 20555

MONTICELLO NUCLEAR GENERATING PLANT
Docket No. 50-263 License No. DPR-22

Description of Battery Room Ventilation
Air Flow Monitoring Installation

Section 3.1.7(2) and 5.5.6 of the Monticello Fire Protection Safety Evaluation Report issued by the NRC staff on August 20, 1979, contains our commitment to install a ventilation air flow monitor for the 3 battery rooms. The purpose of this letter is to supply the staff with design information relating to this modification.

Section 5.5.5 describes a concern that Hydrogen control is not adequate since air flow monitors are not installed to alert personnel to the loss of ventilation air flow. Section 5.5.6(2) lists the modifications that the licensee has committed to. A ventilation air flow monitor that alarms and annunciates in a continuously manned area upon loss of air flow will be installed in each battery room.

To provide a positive indication of battery room ventilation from each of the three battery rooms, the common ventilation duct will be monitored in three locations down stream of each respective room exhaust grill. (see attached figure) Low velocity air flow transducers will be added to monitor combined flow at each location. They will alarm and annunciate in the continuously manned Access Control Area adjacent to the Battery Complex. Alarm level will be set initially at 50% loss of flow to the room being monitored. This alarm system will assure a continuous exhaust from the battery rooms precluding a hydrogen buildup.

Please contact us if you require additional information related to these modifications.

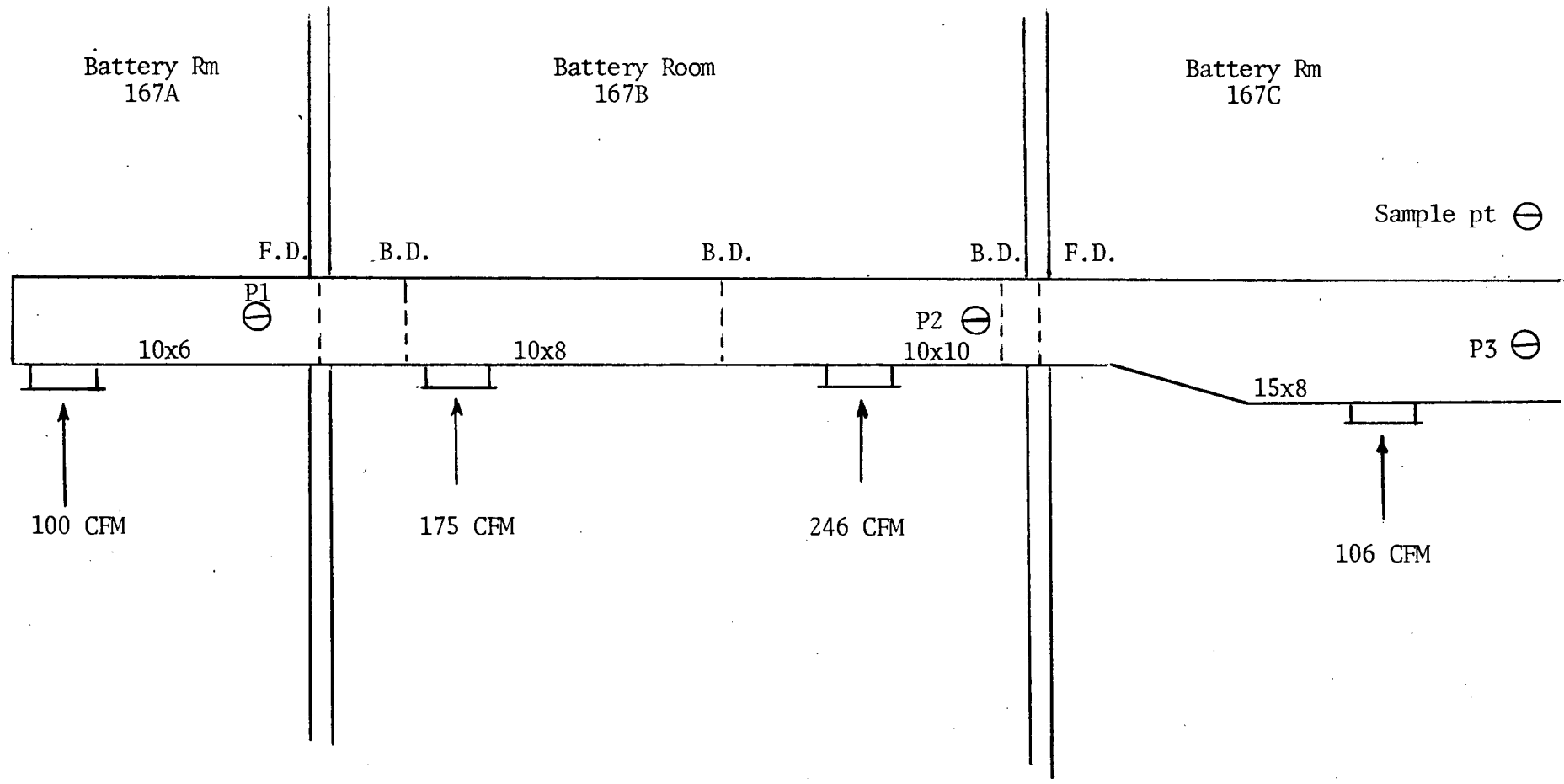
L. O. Mayer, P. E.
Manager of Nuclear Support Services

cc: J. G. Keppler
G. Charnoff

attachment

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Battery Room Exhaust Flow