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 Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards util 830412 ltr providing addl info re bypass & override features of containment purge & vent valves, in response to NRC 840423 ltr.

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 TITLE: OR Submittal: Containment Purging

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June 4, 1984

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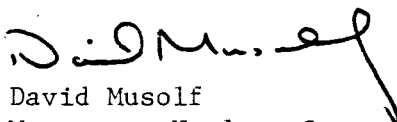
MONTICELLO NUCLEAR GENERATING PLANT
Docket No. 50-263 License No. DPR-22

Information Related to Bypass and Override
Features of Containment Purge and Vent Valves

The purpose of this letter is to provide information in response to a letter dated April 23, 1984 from Mr Domenic B Vassallo, Chief, Operating Reactors Branch #2, USNRC. In this letter, it is stated that the containment vent run mode bypass permissive feature of certain containment purge and vent valves does not meet the requirements of the NRC Staff. NSP letters dated November 14, 1979; June 7, 1979; January 17, 1980; and February 26, 1980 are referenced as the source of information considered by the NRC Staff in making this determination.

On April 12, 1983 Northern States Power Company provided additional information related to this issue. This letter contains a detailed explanation of this bypass and notes that the purge and vent valves will automatically close during a Group 2 isolation regardless of the position of the containment vent run mode interlock switch. This letter may not have reached the appropriate NRC Staff reviewers. A copy is attached.

Based on the April 12, 1983 letter and our understanding of the NRC Staff position on this matter, we continue to believe that the Monticello design is acceptable. Please contact us if you have any questions related to the information in the April 12, 1983 letter or if additional information is required for NRC review.


David Musolf
Manager - Nuclear Support Services

DMM/dab

c: Regional Administrator-III, NRC
NRR Project Manager, NRC
Resident Inspector, NRC
G Charnoff

Attachment

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April 12, 1983

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

Information Related to Bypass and Override
Features of Containment Purge and Vent Valves

In our letters dated January 3, 1979, June 7, 1979, January 17, 1980, February 26, 1980, May 20, 1981, and January 20, 1982 we described actions being taken at the Monticello Nuclear Generating Plant to resolve concerns related to safeguards actuation logic bypass features and containment purge and vent valve operability. These concerns were identified in a letter dated November 29, 1978 from Mr Thomas Ippolito, Chief, Operating Reactors Branch #3, Division of Operating Reactors, USNRC. At the request of our Project Manager in the Division of Licensing we are providing additional clarifying information related to the operation of containment purge and vent valve bypass and override circuitry.

Group 2 valves, which include containment purge and vent valves, are isolated by either low reactor water level or high drywell pressure. The containment vent and purge valves and sample valves are also isolated by an upscale trip or two downscale trips of the Reactor Building Ventilation or Fuel Pool monitors. The following vent and purge valves also isolate if the reactor mode switch is placed in the "Run" mode:

Drywell air purge valve 2381
Torus air purge valve 2378
Drywell vent valve 2386
Torus vent valve 2383
Air purge supply inlet valve 2377

To allow these valves to be opened for inerting or operation of the Drywell Pressurization System during the Run mode, a key locked CONTAINMENT VENT RUN MODE INTLK switch is used to bypass the Run mode interlock. The above valves will automatically close during a Group 2 isolation regardless of the position of this bypass switch.

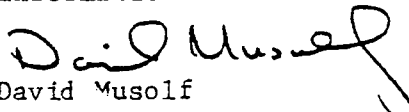
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NORTHERN STATES POWER COMPANY

Dir, NRR
April 12, 1983
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In the event of a Group 2 isolation a bypass is provided for the containment vent system through the 2-inch bypass valves to the standby gas treatment system. An interlock with the mode switch prevents bypass in the "Run" mode. Bypass is accomplished with a two position switch with spring return to neutral. In the TORUS position valves 2396 and 2384 open, and in the DRYWELL position valves 2387 and 2385 open. The drywell or the torus can be vented one at a time, not both together. This bypass switch is disabled, as described in our January 17, 1980 letter, to meet the requirements of the NRC Staff.

Please contact us if you have any questions related to this clarifying information.


David Musolf
Manager - Nuclear Support Services

DMM/js

cc: Regional Administrator - III
NRR Project Manager, NRC
Resident Inspector, NRC
G Charnoff