

Sketch

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OCT 29 1975

A. Szukiewicz, Electrical, Instrumentation & Control Systems Branch
THRU: Brian K. Grimes, Chief, Accident Analysis Branch, TR

DAVIS BESSE UNIT NO. 1 MODIFICATION TO THE SPENT FUEL BUILDING ISOLATION AND EMERGENCY

The Accident Analysis Branch requests the assistance of your branch in reviewing the modified design in the Davis Besse Unit No. 1 Spent Fuel Building Emergency Ventilation Filter System which was described to NRC staff by representatives of Bechtel in their meeting with us on October 15, 1975, and in our phone conversation with Ted Quay, of Bechtel, on October 23, 1975. It is our understanding that the proposed modification will be submitted by the applicant in a later amendment to the FSAR. The basic schematic diagram of the proposed revision is indicated on the attached sketch. The ductwork up to the safety grade charcoal filter train is not seismically designed. (We have accepted this on other OL's but require seismic design on current CP applications.) Two dampers in parallel will be located upstream from the outlet to the normal dual train ventilation system. On each of the normal ventilation system train dampers will be located on each side of the blowers. Dampers 1 and 2 on the emergency filter train will fail open on loss of power. (We recognize that a spurious signal causing closure could not be coped with by this design.) The radiation detector all the way down to the actuators should be designed to IEEE-279 (1971) with the exception of the dampers which may be shown by analysis to meet this requirement. Dampers A and B should meet IEEE-279 with exception of seismic design.

This revised design is acceptable for Davis Besse Unit No. 1 only and not for Units 2 and 3. This was emphasized by NRC staff to Bechtel representatives during both the meeting and the phone conversation. We conclude that the proposed revision is a significant improvement over the system currently in the FSAR and that while it does not meet all current seismic and safety criteria, it is acceptable for this plant given the current status of plant construction.

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Charles Ferrell, Site Analyst
Accident Analysis Branch
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Office of Nuclear Reactor Regulation

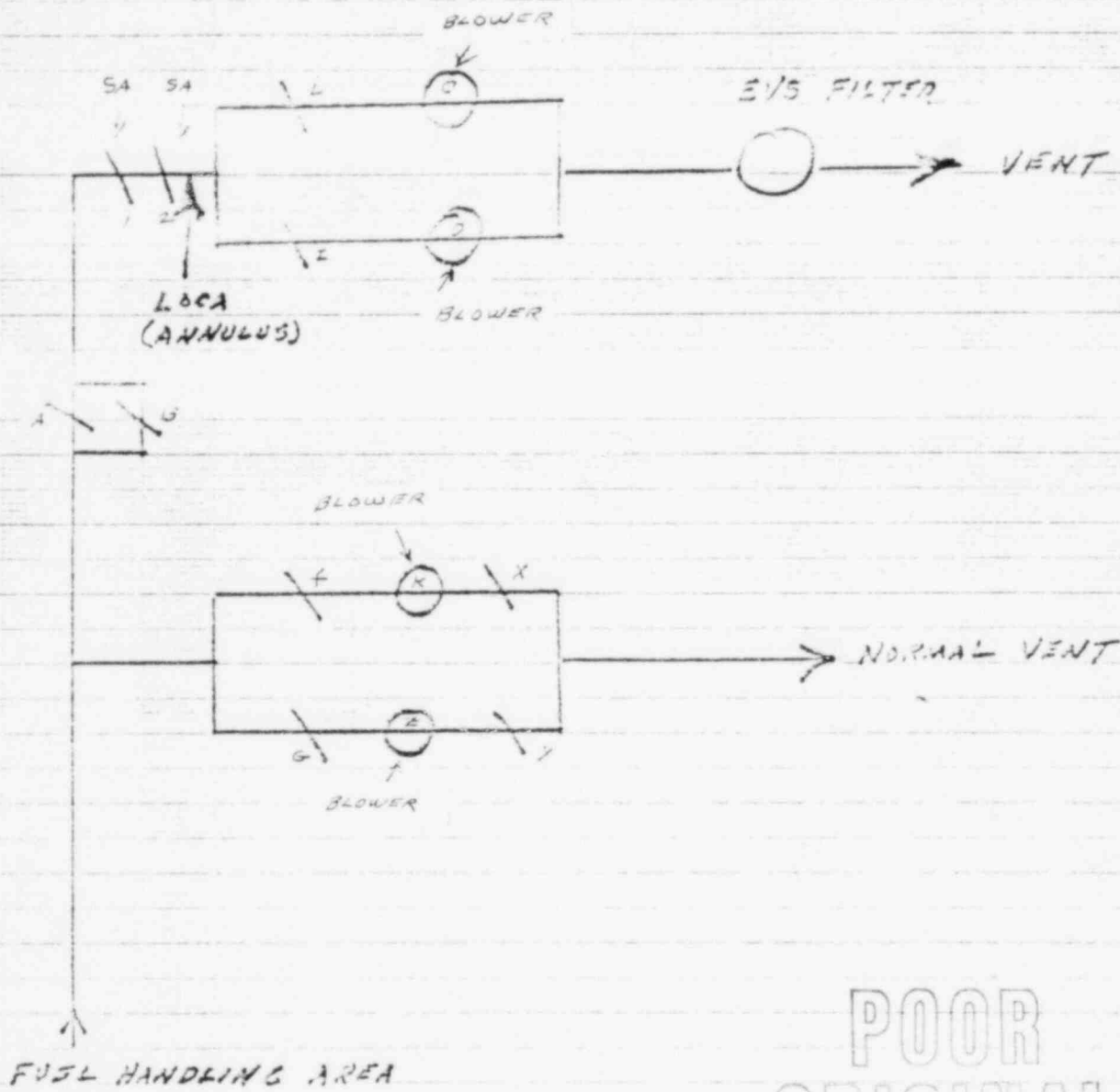
Enclosure:
As stated

cc: A. R. Ungaro

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