

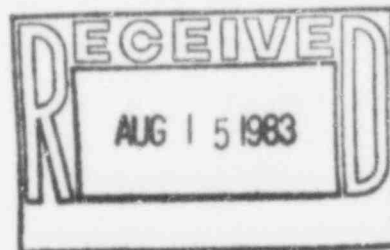


# Public Service Company of Colorado

2420 W. 26th Avenue, Suite 100D Denver, Colorado 80211

July 28, 1983  
Fort St. Vrain  
Unit No. 1  
P-83261

Mr. G. L. Madsen, Chief  
Reactor Project Branch 1  
U.S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive, Suite 1000  
Arlington, Texas 76011



DOCKET NO: 50-267

SUBJECT: Fort St. Vrain Unit No. 1  
Control Room HVAC Failure Criteria

REFERENCE: NRC Letter Dated June 27, 1983  
Madsen to Lee

Gentlemen:

In a phone conversation with Mr. Wagner on July 11, 1983, points of your inquiry were clarified along with some typographical errors on valve (damper) identification numbers in the above reference letter. We assume your references to V75432 and V75499 should have been V75482 and V75449, respectively.

It should be noted that a modification has been implemented to identify the "V" dampers with a more conventional "DV" damper valve nomenclature. This new identification has been included for your use and information. (Figure 2)

The following are responses to your inquiry for additional information:

## ITEM 1

Both of these fans are protected by low flow sensors which shut the fans down automatically.

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ITEM 2

It is our understanding that operating plants are not obligated to follow the guidelines of the SRP.

All control room HVAC dampers are not accessible for repair as discussed in SRP Section 6.4, Appendix A, since some have internal linkages. However, appropriate dampers required to close for isolation of the Control Room are accessible and can be manually positioned.

ITEM 3

V75482 is now identified as DV75363 and is closed during normal operation.

ITEM 4

V75404 now identified as DV75300 is a modulating damper and is not normally closed during operation.

ITEM 5

From an actual test performed in April 1976, the maximum temperature rise over 11 hours was 13°F. These results are within the FSAR limits.

ITEM 6

V75402 now DV75298  
V75405 now DV75301  
V75407 now DV75303  
V75482 now DV75363  
V75449 now DV75330  
V75400 now DV75296  
V75401 now DV75297  
V75406 now DV75302

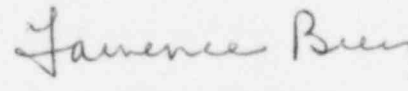
The valve "line-up" detailed in this comment will put the Control Room and Auxiliary Electric Room in a recirculation mode with "make-up" air coming from the Turbine Building. Since the Control Room supply fan (C-7504X) is of a higher capacity than the Control Room return fan (C-7505), it is not evident that the Control Room will be subatmospheric. Low pressure in the Control Room can be detected by a pressure differential indicator (PDI-7556), and low flow at the discharge of C-7506 will alarm XA-7501-1. Corrective action might include modulation of damper DV-75327 (formerly V-75446) or shutting down of return fan C-7505.

ITEM 7

The HVAC isolation dampers and associated fans are tested annually per the requirements of Technical Specification SR5.10.1.

Please contact J.R. Reesy at (303) 571-8406 with further questions on this matter.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Lawrence Brey".

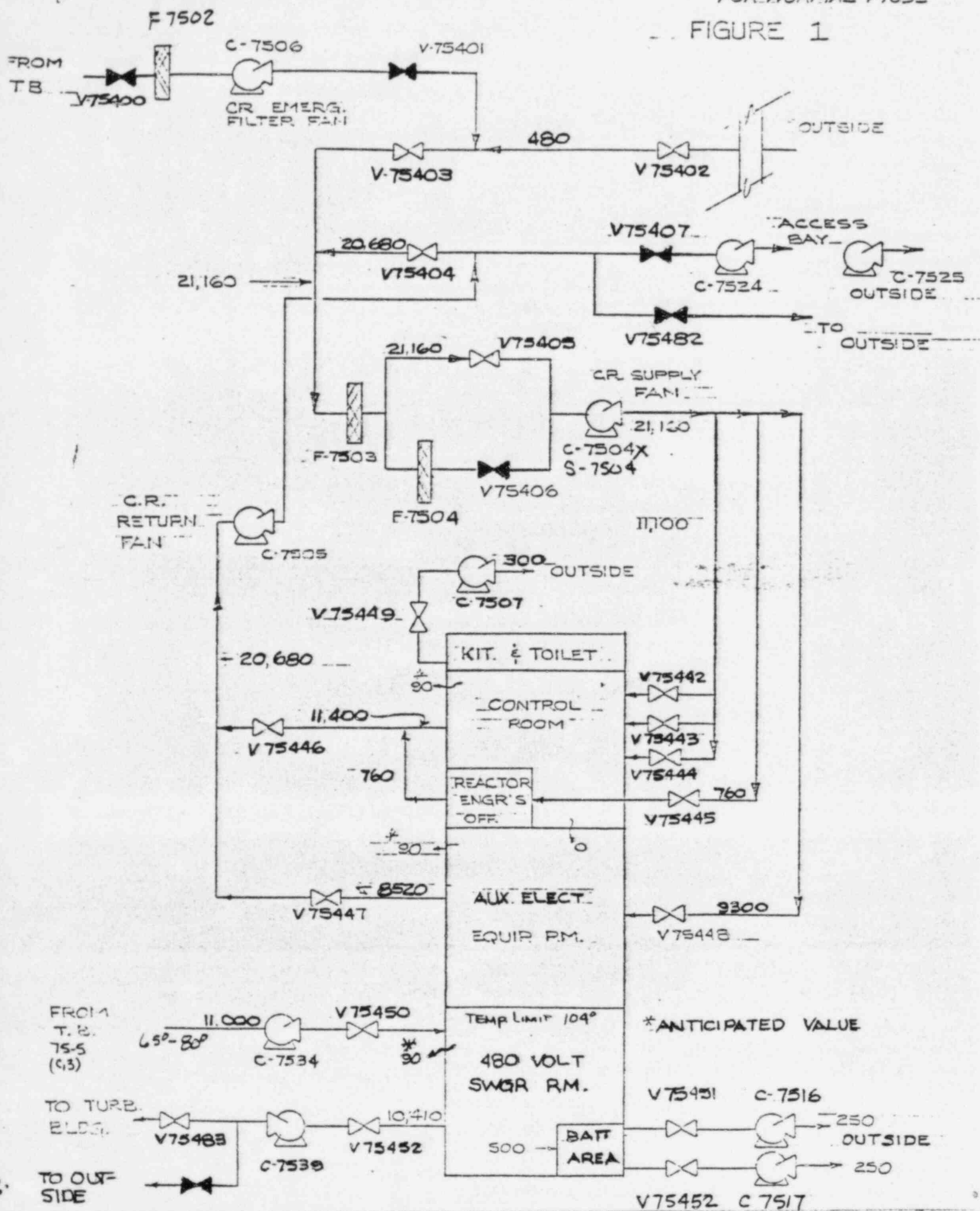
H. L. Brey, Manager  
Nuclear Engineering Division

HLB/FWT:pa

Attachments

FLOW SHOWN IN CFM  
FOR NORMAL MODE

FIGURE 1



# CONTROL ROOM HVAC SYSTEM - MODIFIED DESIGN FIGURE 2

FLOW SHOWN IN CFM  
FOR NORMAL MODE

