

UNION ELECTRIC COMPANY

1901 GRATIOT STREET  
ST. LOUIS, MISSOURI

DONALD F. SCHNELL  
VICE PRESIDENT

MAILING ADDRESS:  
P. O. BOX 149  
ST. LOUIS, MISSOURI 63166

October 18, 1984

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Denton:

ULNRC-953

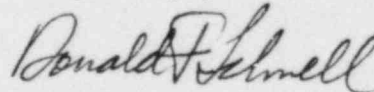
DOCKET NUMBER 50-483  
CALLAWAY PLANT, UNIT 1  
TECHNICAL SPECIFICATION AFFIRMATION AND PROPOSED FSAR CHANGES

- 1) ULNRC-792 dated April 9, 1984
- 2) ULNRC-816 dated May 11, 1984
- 3) ULNRC-835 dated May 31, 1984
- 4) ULNRC-842 dated June 11, 1984

The referenced correspondence affirmed the accuracy of the Callaway Technical Specifications which were issued as Appendix A to the Callaway Facility Operating License NPF-25. In conjunction with issuance of the Callaway full power license, proposed revisions to the Technical Specifications were reviewed by members of my staff and discussed with me. In my judgement the changes do not affect my previous affirmation given in References 1 through 4.

In addition, the attached pages represent differences between the as-built plant and the FSAR. These will be included in the next revision to the FSAR.

Very truly yours,



Donald F. Schnell

ACP/drs

8410250151 841018  
PDR ADDCK 05000483  
P PDR

*Foot*  
*11*

STATE OF MISSOURI )  
 ) S S  
CITY OF ST. LOUIS )

Donald F. Schnell, of lawful age, being first duly sworn upon oath says that he is Vice President - Nuclear for Union Electric Company; that he has read the foregoing document and knows the content thereof; that he has executed the same for and on the behalf of said company with full power and authority to do so; and that the facts therein stated are true and correct to the best of his knowledge, information and belief.

By Donald F. Schnell  
Donald F. Schnell  
Vice President - Nuclear

SUBSCRIBED and sworn to before me this      day of      , 1984  
Peggy L. Bernhardt, Notary Public, State of Missouri  
My commission expires September 4, 1988

Peggy L. Bernhardt



cc: Glenn L. Koester  
Vice President  
Operations  
Kansas Gas & Electric  
P.O. Box 208  
Wichita, Kansas 67201

Donald T. McPhee  
Vice President  
Kansas City Power and Light Company  
1330 Baltimore Avenue  
Kansas City, Missouri 64141

Gerald Charnoff, Esq.  
Shaw, Pittman, Potts & Trowbridge  
1800 M. Street, N.W.  
Washington, D.C. 20036

Nicholas A. Petrick  
Executive Director  
SNUPPS  
5 Choke Cherry Road  
Rockville, Maryland 20850

John H. Neisler  
Callaway Resident Office  
U.S. Nuclear Regulatory Commission  
RR#1  
Steedman, Missouri 65077

William Forney  
Division of Projects and  
Resident Programs, Chief, Section 1A  
U.S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Bruce Little  
Callaway Resident Office  
U.S. Nuclear Regulatory Commission  
RR#1  
Steedman, Missouri 65077

The counting room fan-coil unit and filter unit operate in a continuous recirculation mode to provide the necessary cooling, filtration, and humidity control of the counting room atmosphere to maintain a suitable ambience for the electronic equipment and personnel in the room.

The amount of cooling is controlled by a temperature controller located in the return air duct to the unit. The controller functions to maintain the space air temperature at or below 74 F.

A moisture switch, located in the counting room fan-coil unit return air duct, senses the relative humidity of the return air and operates the humidifier, as required, to maintain the space relative humidity between 40 and 60 percent.

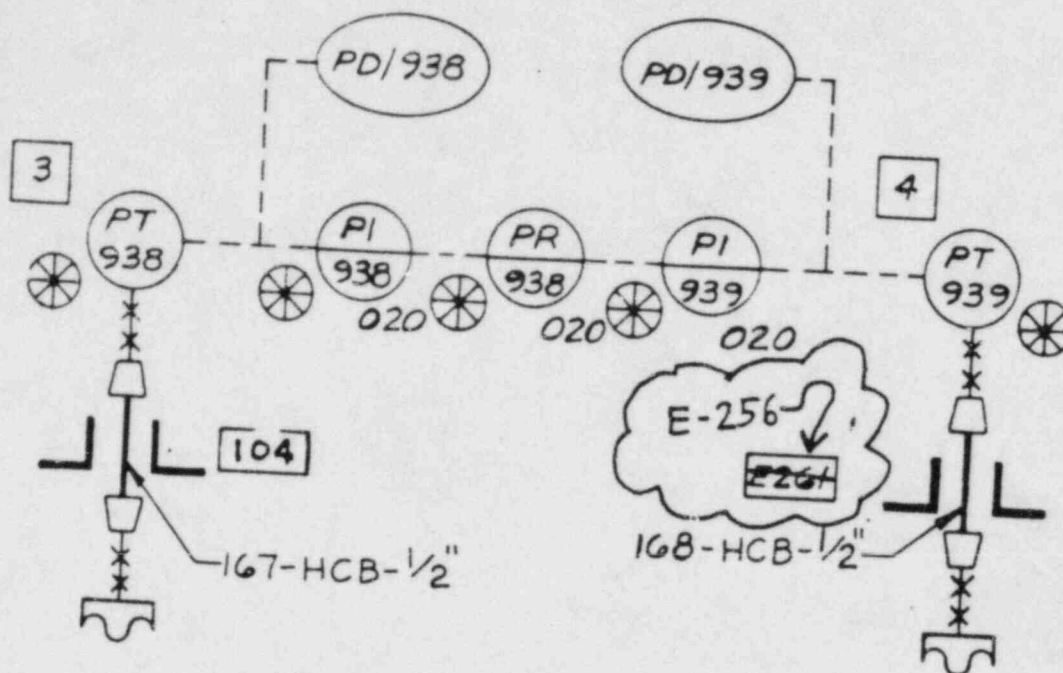
A HEPA and prefilter filter unit are provided upstream of the fan coil unit to minimize the airborne particulates in the space.

The control building supply air unit intake, the control building exhaust system, control room pressurization, and the access control exhaust system contain dampers capable of withstanding the effects of extreme wind or tornado conditions (3 psi total at a rate of 2 psi/second per Regulatory Guide 1.76). These dampers close with a tornado or high winds and are considered passive since they do not have actuation devices. The dampers located in the exhaust systems are spring loaded to prevent closure during normal system operations.


Based on the outside air design conditions, design space heat loads and operation of the control building HVAC systems, as described above, no area of the control building (except for the laundry and locker areas of the access control area) will exceed a relative humidity of 70 percent.

EMERGENCY OPERATION - <sup>downstream</sup> Located in the control building supply system ductwork, ~~upstream~~ of the supply unit, are redundant radiation monitors, ~~redundant chlorine monitors~~, and a smoke detector. These monitors sense contaminants in the influent and alarm in the control room when limits are exceeded. The high radiation and chlorine monitors (chlorine concentrations of 5.0 ppm or greater) initiate isolation of the control building normal supply and exhaust systems. The chlorine monitors comply with the requirements of Regulatory Guide 1.78, as discussed in Table 6.4-1. Chlorine monitors are not required for the Callaway plant per Section 2.2.3.1.3 of the Callaway Site Addendum.





BLIND  
NOTE:  
DRG  
AREA  
H-1

<b>BECHTEL</b>			
GAITHERSBURG, MARYLAND			
<b>SNUPPS</b>			
PIPING AND INSTRUMENTATION DIAGRAM CONTAINMENT COOLING SYSTEM			
THIS DRAWING APPLICABLE TO SNUPPS UNIT 2 ONLY	UTILITY DRAWING NO.		REV
	FSAR Figure 9.4-6, Sheet 1		
	JOB NO.	BECHTEL DRAWING NO.	REV
	10466	M-22GNOI(Q)	X
DRAWING APPLICABLE TO UNITS		<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">1</div> <div style="border: 1px solid black; padding: 2px;">3</div> <div style="border: 1px solid black; padding: 2px;">4</div> <div style="border: 1px solid black; padding: 2px;">5</div> <div style="border: 1px solid black; padding: 2px;">6</div> <div style="border: 1px solid black; padding: 2px;">7</div> <div style="border: 1px solid black; padding: 2px;">8</div> <div style="border: 1px solid black; padding: 2px;">9</div> <div style="border: 1px solid black; padding: 2px;">10</div> </div>	

[illegible]

GENERAL COMMENTS:

THERE ARE FOUR INSTRUMENT LINES WHICH PENETRATE THE CONTAINMENT AND WHICH ARE REQUIRED TO REMAIN FUNCTIONAL FOLLOWING A LOCA OR STEAM BREAK. THESE LINES SENSE THE PRESSURE OF CONTAINMENT ATMOSPHERE ON THE INSIDE AND ARE CONNECTED TO PRESSURE TRANSMITTERS ON THE OUTSIDE. SIGNALS FROM THESE TRANSMITTERS CAN INITIATE SAFETY INJECTION AND CONTAINMENT ISOLATION ON HIGH CONTAINMENT PRESSURE. THEY ALSO, UPON HIHI CONTAINMENT PRESSURE, PRODUCE THE ONLY SIGNAL TO INITIATE CONTAINMENT SPRAY. IN VIEW OF THIS FUNCTION, IT IS ESSENTIAL THAT THE LINE REMAIN OPEN AND NOT BE ISOLATED FOLLOWING AN ACCIDENT. BASED ON THIS REQUIREMENT, A SEALED SENSING LINE, AS DESCRIBED BELOW, IS USED.

EACH OF THE FOUR CHANNELS HAS A SEPARATE PENETRATION, AND EACH PRESSURE TRANSMITTER IS LOCATED IMMEDIATELY ADJACENT TO THE OUTSIDE OF THE CONTAINMENT WALL. IT IS CON-

TYPE	A	<input checked="" type="checkbox"/>
	B	<input type="checkbox"/>
	C	<input type="checkbox"/>
NONE		<input type="checkbox"/>

BECAUSE OF THIS SEALED FLUID FILLED SYSTEM, A POSTULATED SEVERANCE OF THE LINE DURING EITHER NORMAL OPERATION OR ACCIDENT CONDITIONS WILL NOT RESULT IN ANY RELEASE FROM THE CONTAINMENT.

CONTAINMENT PENETRATION NO. P. 00-103  
DESCRIPTION: 103 & 104  
E-256, 264  
CONTAINMENT PRESSURE TRANSMITTERS

Rev. 10-9/82