



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

August 23, 1979

MEMORANDUM FOR: L. A. Porter, B&W
Power Generation Group

FROM: J. T. Collins, Deputy Director, TMI-2 Support

SUBJECT: DRILLING PROCEDURE FOR PENETRATION R-626

In response to your request dated August 13, 1979, we have reviewed the drilling procedure for penetration R-626 and our comments are attached to a copy of the procedure. Prior to any approval of this procedure we will require satisfactory resolution of our comments.

/s/

John T. Collins, Deputy Director
TMI-2 Support

Attachments:

1. Comments
- ~~2. Procedure~~

cc: E. Walker (Bechtel)
M. Morrell, GPU
T. Menzel, GPU, Trl 104
T. Mulleavy, Met-Ed, Trl 112
W. Zurliene, Met-Ed, Trl 112

Distribution:
TMI R/F
JTCollins

TMI-2 Support
JTCollins:cj
08/22/79

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PROCEDURE COMMENT SHEET

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Procedure No./Title: Containment Bldg Remote Access Drilling (R-626)

Review Group: NRC/NRR

Name/Date: Jay Lee / 8/22/79

Para.	Comment	Resolution
7.1 & 7.2	Steps 7.1 and 7.2 should be reversed.	Is 7.1 substitute step 4.4? ³ How do they differ
7.1	Specify Procedure SOP * R-79. Specify the allowable leakage limit.	
7.1	Radiation survey should be performed over the penetration opening.	
7.6	Provide the basis for 15 psig pressure testing criteria.	
7.8	Provide the provision for testing V3 valve seat integrity.	
7.13	Provide the provision for testing V4 valve seat integrity.	
7.6	A pressure greater than the Containment Bldg pressure must be maintained (> 3" Hg) in Top Hat assembly throughout the boring operation.	
7.17	Chipping technique should be utilized to cut in the final barrier to the containment bldg to prevent getting long cut shavings.	

PROCEDURE COMMENT SHEET

Procedure No./Title Cont. Bldg Remote Access Drilling

Review Group NRC / NRR (R-626)

Name/Date Jay Lee 8/22/79

Para.	Comment	Resolution
7.24	"CAUTION" should precede step 7.24 to assure a positive air flow is initiated prior to and while closing gate valve	
7.25	What is the purpose of this step?	
6.0	Give basis for not utilizing a glove box around top hat assembly	
3.0	Add a new paragraph "a positive pressure greater than 0.5 inches but less than 3 inches of water pressure should be maintained in the top hat assembly to assure air flow into the containment during all boring operation"	
6.1	Equipment and procedure should be verified and rehearsed at penetration R-626. (not on a mockup of penetration R-401).	

PROCEDURE COMMENT SHEET

Procedure No./Title Containment Surveillance Hole Drilling Procedure (P-526)
 Review Group NRC IGE ops
 Name/Date Graham 8/16/79

Para.	Comment	Resolution
2.0	Missing	
3.0	<p>Add a precaution to maintain a positive pressure (within certain limits) on all equipment attached to the penetration to assure flow into the containment during all drilling or sampling operations.</p>	
4.0	<p>This step should not be a prerequisite but it should definitely be a part of the procedure. If you want to highlight this, you may want to put it in section 3.0 as a precaution.</p>	
5.0	<p>Do you plan on installing drain valves upstream & downstream of the valve & do you plan on installing a vent valve downstream of the valve? Figure 7 shows a vent valve downstream.</p>	

PROCEDURE COMMENT SHEET

Procedure No./Title Containment Sur. Hole Cutting Procedure (D-626)

Review Group NRC-IE Ops

Name/Date Graham 8/16/79

Para.	Comment	Resolution
7.6	<p>Shouldn't the connections be tested to 75 psi? If the connections do have to be tested to >50 psi, a pressure pressure gage with a wider range will have to be installed.</p>	
7.13	<p>You are using a pressure gage 0-50 psi, yet the test is to 3" Hg. The procedure should have the 3" Hg in psi specified. Also, figure 7 shows the pressure gage being a 0-5 psi.</p>	
7-19	<p>Be more specific than "negative pressure system". You should specify the relationship between containment and test. Also, will a glove box be installed during the conduct of this procedure? How is the operator going to measure 2 CFM? Is this going to be a guess or will a flow meter be installed?</p>	

PROCEDURE COMMENT SHEET

Procedure No./Title Containment Ins. Hole Cutting Procedure (P-526)

Review Group NRC - IE ops

Name/Date Graham 8/16/79

Para.	Comment	Resolution
7.26	Same comment as 7.13	
7.32	<p>The flange should be installed prior to breaching the controlled area.</p> <p>Since the flange is being installed as a precaution, should a gasket be used and the bolts torqued to a certain value?</p>	
8.5	Add "... leak rate of of 12" gate valve."	
8.7	Add "... leak rate of tag hat assembly."	

PROCEDURE COMMENT SHEET

Procedure No./Title Containment Enclosure Hole Cutting Procedure

Review Group NRC. IE (H.P.)

Name/Date J. Hiatt / 8-16-79

Para.	Comment	Resolution
	No Comments.	