

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

May 28, 1980

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

Serial No. 470
NO/SNK:ms
Docket Nos. 50-280
50-281
50-338
50-339

LESSON LEARNED SHORT TERM REQUIREMENT
NUREG - 0578, SECTION 2.1.8.a
SURRY UNITS 1 AND 2
NORTH ANNA UNITS 1 AND 2

Dear Mr. Denton:

In our letter Serial Number 376 dated April 28, 1980, we stated that a temporary post accident containment atmospheric sampling system should be installed by May 30, 1980, in order to provide the capability of obtaining a containment atmospheric sample within one hour after an accident without incurring a radiation exposure in excess of 3 and 18 3/4 rems to the whole body or extremities, respectively.

However, our schedule indicates that the installation of the containment atmospheric sampling system should be completed by June 30, 1980. The design of this temporary sampling system has been completed. This system is being installed for Surry Units 1 and 2 and North Anna Units 1 and 2.

The temporary sampling connection will tie into the existing Hydrogen Analyzer system as shown on the attached sketches, 13075-MS-44 and 45, and will use the Hydrogen Analyzer pump as a motive force for gas flow through the sample lines. Using a graduated syringe and needle, one cc sample can be obtained and diluted for laboratory analysis. This temporary system will be used until a permanent post accident containment atmospheric sampling system is installed (January 1, 1981).

8006020173

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B021
5/11
ADD:
J. OLSHINSKI
J. KERRIGAN
J. BURDOW
C. WILLIS
M. FIELDS
N. ANDERSON
P. O'REILLY

Should you need more information or have any questions, please contact us.

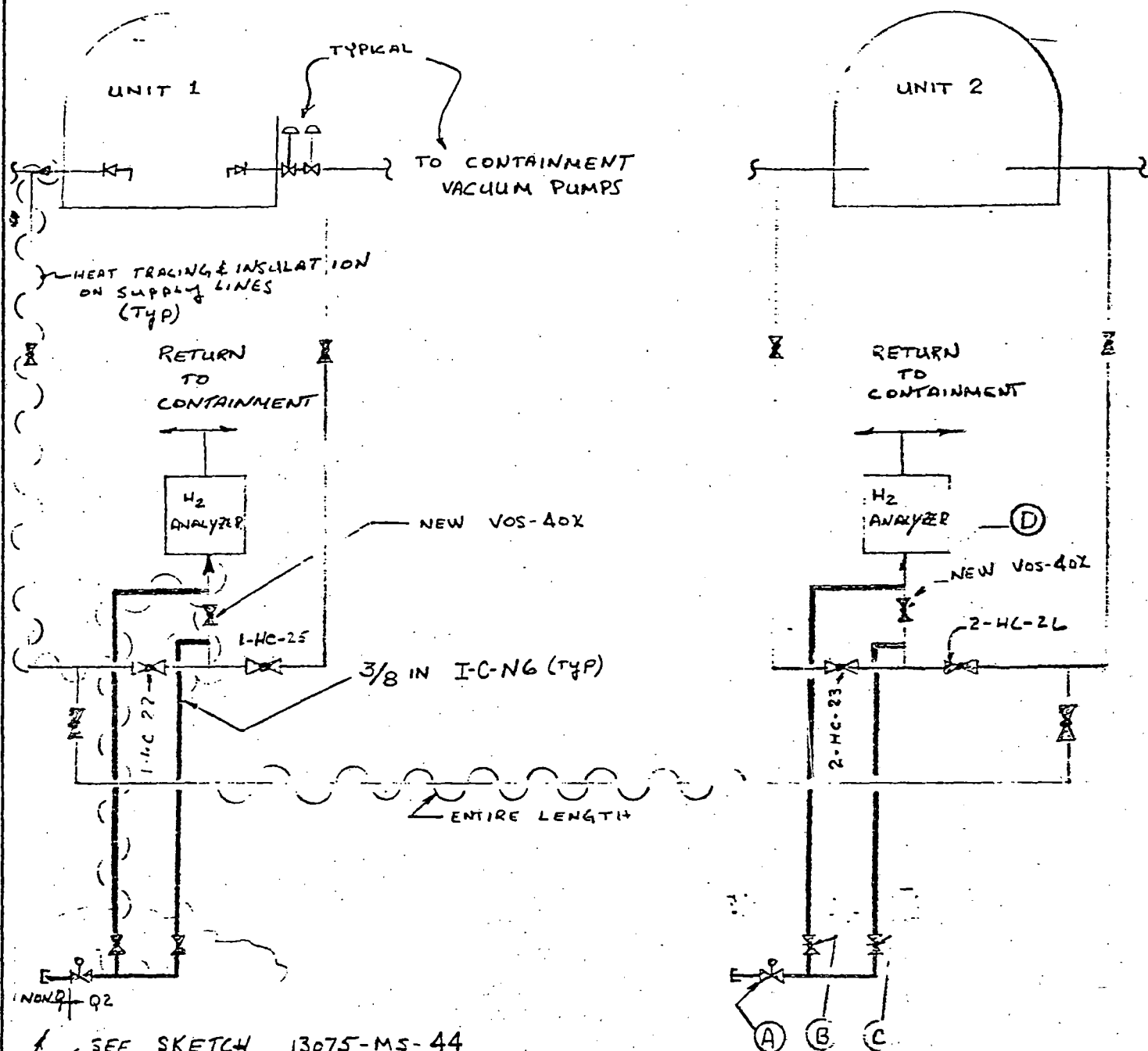
Very truly yours,



B. R. Sylvia
Manager-Nuclear Operations
and Maintenance

Attachments

cc: Mr. James P. O'Reilly

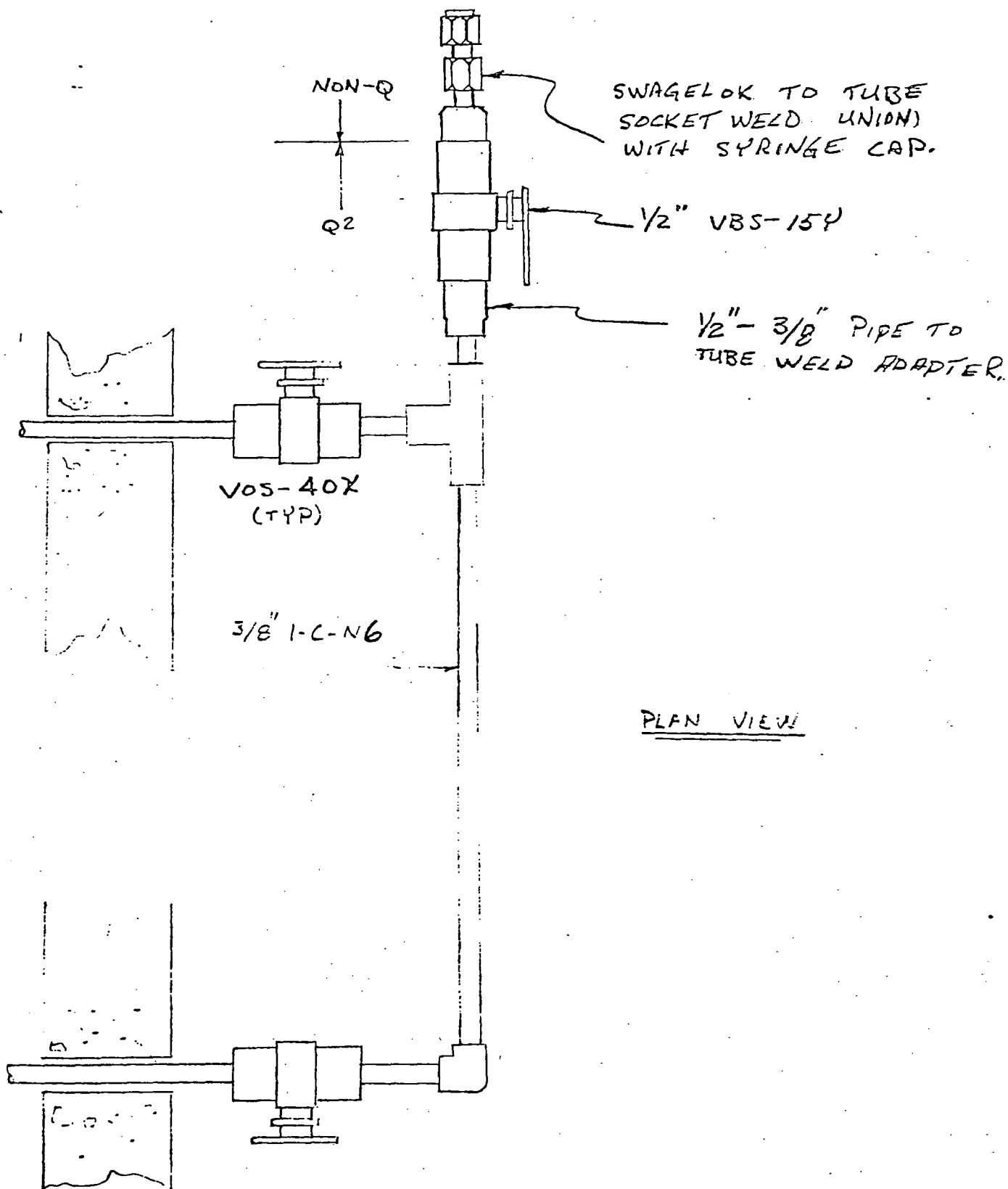


SEE SKETCH 13075-MS-44
FOR SAMPLE CONNECTION
DETAILS (TYP)

NEW MATERIALS INCLUDE:

1. TWO. NEW SAMPLE LOOPS (approx 200 ft 3/8" I.C.-NL TUBING)
2. HEAT TRACING & INSULATION OF SUPPLY & X-CONN. LINES
3. SIX NEW GLOBE VALVES (VDS-40X)-3/8", TWO NEW BALL VALVES (LATER) 3/8"
4. REFERENCE: 11715-FM-106A-

POWER INDUSTRY GROUP			TITLE CONTAINMENT ATMOSPHERE SAMPLE SYSTEM INTERCONNECTION WITH H ₂ ANALYZER DESIGN CHANGE 80-S12					CLIENT VEDCO	
	BY	DATE						PROJECT NORTH ANNA 1 & 2	
PREPARED	JWC	4/14/80						J.O. NO. 13075.35	
CHECKED	JTM	4/14/80						① ISSUED BY J. MCGRAW	
APPROVED	(Signature)	4/15/80						DATE APRIL 14, 1980	
REVISIONS BY	②	③	④	⑤	⑥	NUMBER			
DATE						13075-MS-45			



POWER INDUSTRY GROUP			TITLE CONTAINMENT ATMOSPHERE					CLIENT VEPLO	
	BY	DATE	SAMPLE POINT. (TYPICAL OF 4)					PROJECT NORTH PLAINS 152	
PREPARED	YMC	4/10/80	NUREG 0578 SHORT TERM					J.O. NO. 1307535	
CHECKED	YMC	4/14/80	DESIGN CHANGE 80-512					① ISSUED BY Y. N. GREGG	
APPROVED	YMC	4/15/80						DATE 4/26/80	
REVISIONS BY	②		③	④	⑤	⑥	NUMBER		
DATE							13075-MS-44		