

Appendix D – Pressure Test

Date: _____

Pressure Testing Permit*

Type of Test: [] Hydrostatic [X] Pneumatic

Test Pressure 34.5 Psid Maximum Allowable Working Pressure 29.7 Psid

Items to be Tested

Location of Test CAF-MP9 Date and Time _____

Hazards Involved

Contact with high velocity jet of the test gas.

Safety Precautions Taken

System designed, fabricated, and inspected per ASME Boiler & Vessels code. Test will be conducted by trained Personnel as described in ASME code. Access to test area will be limited only to those involved in the test during pressurization.

Special Conditions or Requirements

Operating pressure = 29.7 PSI, test pressure = 1.15*OP=34.5 PSI, pneumatic per ASME code.

1. First pressurize to 9.0 PSI and check for leaks.
2. Repeat at 17.0 PSI.
3. Increase pressure gradually to the test pressure for 5 minutes.
4. Reduce pressure to the design pressure.
5. Close valve on regulator.
6. Maintain test for the least 10 minutes without loss of pressure.

Qualified Person and Test Coordinator Tug Arken TD/SAFE DEV 10/5/11
Dept/Date

Division/Section Safety Officer Richard Ruthe TD ESH 10/3/11
Dept/Date

Results

Pressure remained at 30 psig for 10 minutes without dropping.

Witness Richard Ruthe Dept/Date TD ESH 10/5/11
(Safety Officer or Designee)

- Must be signed by division/section safety officer prior to conducting test. It is the responsibility of the test coordinator to obtain signatures.

Test Procedure

The table below shows the pressure levels for each pause and what should be done at that pressure. Total time for the test, not including setup and tear-down time, will about 20 minutes.

Pressure (psig) (psig equals differential pressure for this test)	Dwell time (minutes)	Activity at pressure
0	--	
9.0	As needed	Snoop line fitting
17.0	As needed	Snoop line fitting
20.5	~1	
24.0	As needed	
27.0	~1	
31.0	As needed	
34.5	5	Peak test pressure of 1.15 x MAWP
30.0	10*	Test pressure hold point
25.0	As needed	
17.0	As needed	Visual inspection
0	--	

*The pressure hold point of 30 psig is approximately the MAWP. Dwell time is set long enough to assure us that pressure is not dropping.

