



Confined Space Pre-Entry Checklist

Work Location		Job Number	
Supervisor		Date	
Entrant		Attendant	
Emergency Location		Emergency #	

Monitoring Conducted By:			
Name:	Instrument(s) Used	Serial and/or Unit No.	Within Calibration?
			yes no - do not enter space
			yes no - do not enter space

Pre-Entry Initial Atmospheric Checks					
Time	Permissible Entry Level	Results	Entry		
O2 % (Oxygen)	19.5% to 23.5%		Entrants, Attendants, and Supervisors:	YES	NO
LEL (Lower Explosive Limit)	Less than 10%			Completed required training?	
CO (Carbon Monoxide)	Less than 35 PPM+		Is it current?		
H2S (Hydrogen Sulfide)	Less than 10 PPM+ 15 PPM				

Equipment	N/A	YES	NO
Did the gas monitor pass its initial testing?			
Will an attendant be available for the duration of the entry?			
Is the confined space opening guarded to prevent individuals and objects from falling into the space?			
Is the surrounding area free of hazards such as drifting vapors from tanks, piping, sewers, exhaust, etc.?			
Have all sources of mechanical, electrical, water and other hazards been eliminated by proper lockout/tagout procedures? (if not, do not enter the space)			
Can the Entrant and Attendant communicate during entry?			
Did the initial atmospheric check satisfy acceptable entry conditions (no alarms or errors given)?			
Will Forced Air Ventilation be used?			
Will the area be continuously monitored while the space is occupied?			
Will a Safety harness, life-lines & tri-pod be used for non-entry rescue?			

Atmospheric Check After Isolation and Ventilation							
Continuous Monitor	Permissible Entry Level	Monitoring Results - Record Results Every 2 Hours					
O2 % (Oxygen)	19.5% to 23.5%						
LEL (Lower Explosive Limit)	Less than 10%						
CO (Carbon Monoxide)	Less than 35 PPM+						
H2S (Hydrogen Sulfide)	Less than 10 PPM+ 15 PPM						

We have reviewed the information contained herein. Written instructions and safety procedures have been received and understood. Entry cannot be approved if any questions above are marked "NO".
In case of emergency call 911.

** This checklist is to be kept at the work location, then returned to Safety Director following job completion.

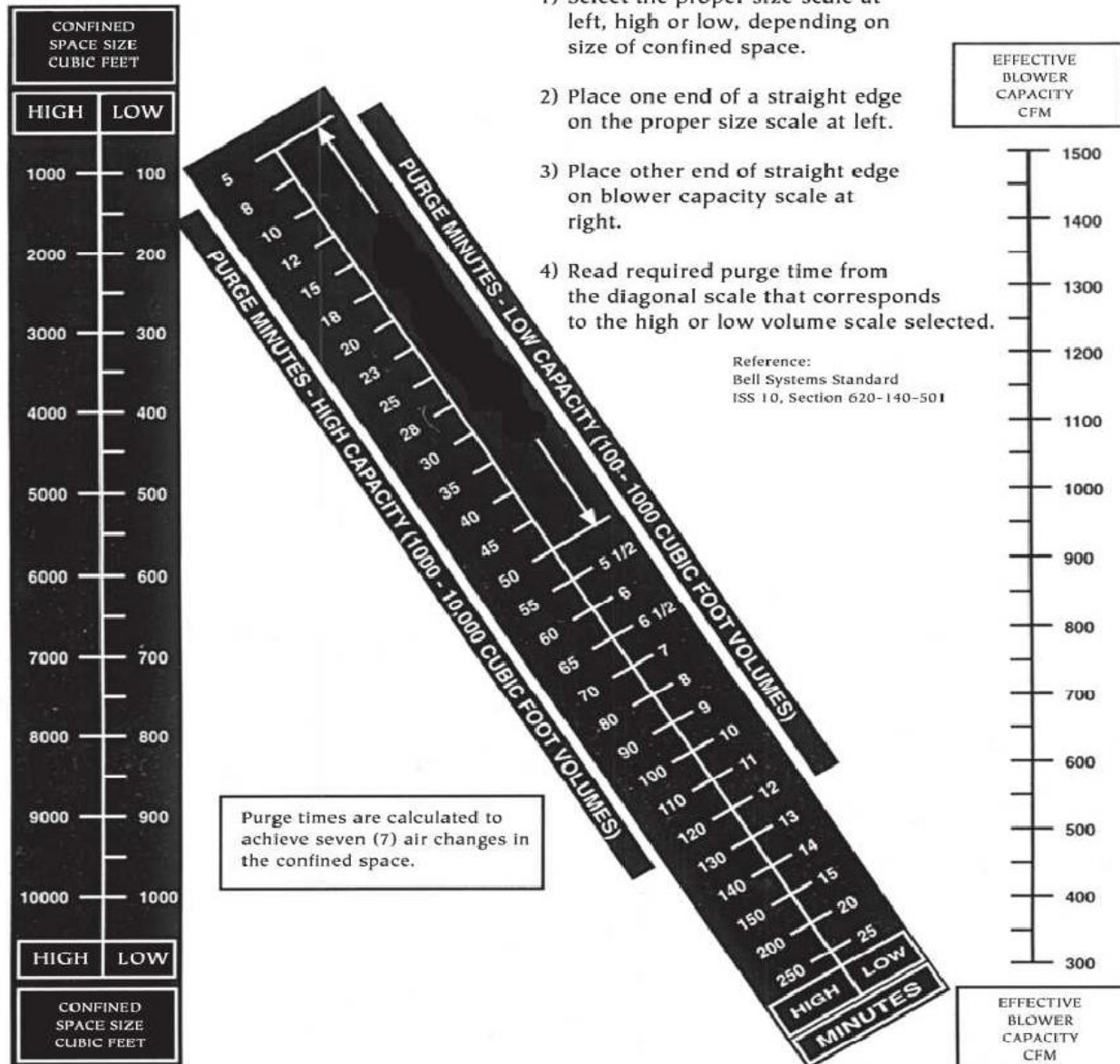
Entrant Signature: _____ Time In: _____
 Time Out: _____

ESTIMATING APPROXIMATE PURGE TIMES

HOW TO USE CHART

- 1) Select the proper size scale at left, high or low, depending on size of confined space.
- 2) Place one end of a straight edge on the proper size scale at left.
- 3) Place other end of straight edge on blower capacity scale at right.
- 4) Read required purge time from the diagonal scale that corresponds to the high or low volume scale selected.

Reference:
Bell Systems Standard
ISS 10, Section 620-140-501



SPECIAL NOTES

- 1) Air quality of the confined space should be tested prior to ventilation.
- 2) Ventilate confined space for the minimum times as determined in the above chart and then retest air.
- 3) If toxic (combustible) gases or low oxygen is encountered, increase purge times by 50%.
- 4) If 2 blowers are used, add the two capacities, then proceed with the "How to use chart" above.
- 5) Effective blower capacity is measured with one or two 90 degree bends in 8" diameter 25 ft. blower hose.