UC San Diego
Environment, Health & Safety
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Appendix A
CONFINED SPACE ENTRY PERMIT
For Permit-Required Spaces

To be used for entering tanks, boilers, combustion chambers, spaces with moving machinery and blocked sewers and when welding or high voltage work will be performed.

Confined space permits are valid for a single work shift not to exceed eight (8) hours in duration.

UCSD employees are only authorized to enter confined spaces after receiving training in specialized entry procedures.

Keep this log at work site during the operation. Complete the form and return it to your supervisor when finished.

Date: _____ Location: _____ Type of Space/#: _____

Reason for Entry: _____

Person(s) Entering: _____

Attendant/Form Completed By: _____ Signature: _____

Authorizing Supervisor's Name: _____ Signature: _____

PREPARATION

1. If the space is a blocked sewer contract the job out if possible.
2. If the space is a boiler or combustion chamber, follow appropriate pre-entry procedures.
3. Lock valves or blind/lock pipes in spaces which could become flooded.
4. Lock and tag all machinery which could be accidentally energized.
5. Check the air monitor and battery status.
6. Arrange for blower, power supply, standby person and communication resource.

ON-SITE MONITORING

1. Test the air at the top of the space through the cover. Record the results.
2. If acceptable, open the cover. Test the air at the top, middle and bottom of the space. Record the results. If the combustibility reading at the bottom is greater than the top of the space, notify your supervisor and EH&S. **DO NOT ENTER THE SPACE!!**
3. If the air is **not** safe, ventilate, purge and retest. If the atmosphere does not clear, **DO NOT ENTER!!**
4. Ventilate the space for a **minimum of five (5) minutes** according to the purge chart located on page two.
5. Monitor continuously, recording results every two (2) hours. Retest the air after breaks and lunch.

MEASUREMENT

Instrument #: _____ Calibration Date: _____

Check those items below which are applicable to your confined space permit.

TYPES OF HAZARDS

☐ **Energized Electrical Equipment**	☐ **Flammable Atmosphere**	☐ **Mechanical Hazards**	☐ **Toxic Atmosphere**
☐ **Engulfment**	☐ **Hazardous Chemicals**	☐ **Oxygen-Deficient Atmosphere**	☐ **Water Intrusion**
☐ **Entrapment**	☐ **Heat/Cold Stress**	☐ **Oxygen-Enriched Atmosphere**	☐ **Welding/Cutting**

Note: If welding/cutting operations are to be performed, attach Hot Work Permit to entry form.

SAFETY PRECAUTIONS

☐ **Fire-Retardant Clothing**	☐ **Barricade Job Area**	☐ **Fire Extinguishers**	☐ **Lockout/Tagout (Electrical/ Mechanical)**
☐ **Lifelines/Rescue**	☐ **Clearances Secured**	☐ **Ground Fault Circuit Interrupter**	☐ **Pump (Water Removal)**
☐ **Protective Gloves**	☐ **Communication Devices (Radios, voice, visual, tug rope, etc.)**	☐ **Intrinsically Safe Tools**	☐ **Signs Posted**
☐ **Respiratory Equipment Protection**	☐ **Double Block & Bleed**	☐ **Lighting**	☐ **Ventilation**
☐ **Other** _____			

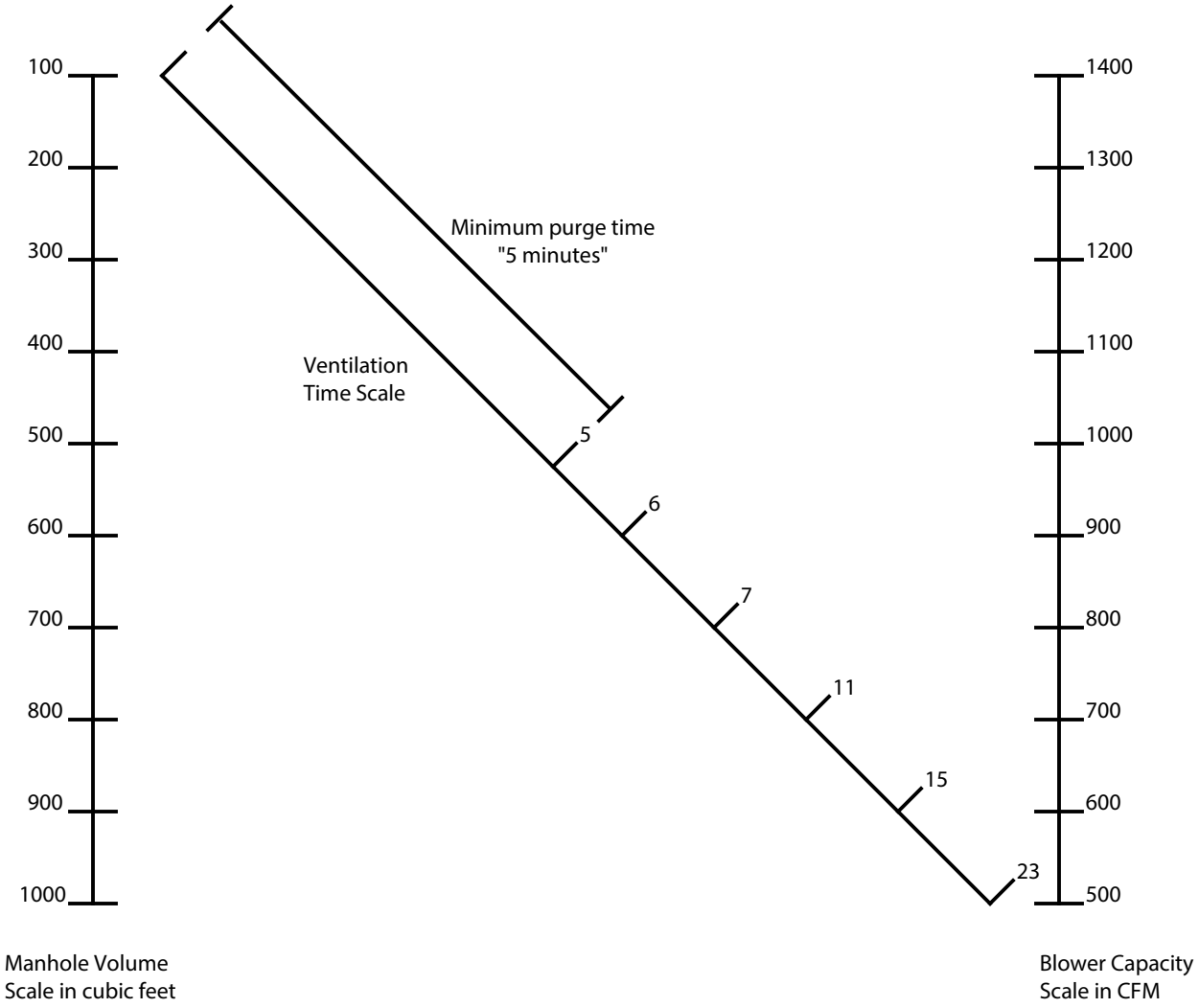
ATMOSPHERIC MONITORING

TESTS TO BE TAKEN	**DATE**	**TIME**		**RE-TESTING**	**DATE**	**TIME**	
Oxygen:			**a/p**	**Oxygen:**			**a/p**
Lower Explosive Limit:			**a/p**	**Lower Explosive Limit:**			**a/p**
Toxic Atmosphere:				**Toxic Atmosphere:**			
Instruments Used:				**Instruments Used:**			

TIME	**OXY**	**CO**	**H2S**	**COMBUSTIBILITY**	**OTHER**
	Safe Range (19.5-23.5%)	Safe Range (< 25ppm)	Safe Range (< 10ppm)	Safe Range (< 10%)	

Print Name: _____ Initial: _____

Ventilation and Purge Chart



DIRECTIONS

1. Locate manhole volume level on left scale.
2. Read the corresponding blower capacity on the right scale.
3. Locate the required purge time (minimum 5 minutes)

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