Germantown Campus Confined Space Inventory

Type of Space	Description/ Use	Potential Hazards	Minimum Testing Required for Entry	Other	Sample
HVAC Vaults and IT Vaults	Concrete-lined pits for heating/cooling water feed/return, and voice and data telecommunications conduits.		O2, CO, H2S	Inspect sides for damage. Determine need to pump water. Are electrical conduits exposed? Is there sufficient space to work? Collect air monitoring history to determine if spaces require positive ventillation when opened. HVAC vault can be very warm and may need ventilation for comfort.	
Stormwater Sumps and Ejection Pits	froma building and	Engulfment, electrical power to pumps. Low O2. Risk of hazardous contaminants is low.	O2	Lock Out/Tag Out	
Stormwater Drains (Exterior)	Underground pipes and chambers to collect and direct stormwater runoff to a waterway. Access points allow entrance for clearing drains or maintenance/inspection on filtration, sedimentation/separation systems.	Toxic or flammable gases from upstream sources or decay of organic matter, low oxygen, oils or other contaminants, insects or small animals, engulfment.	02 002 1128	College employees do not enter the storm drains. Filtration systems are managed by contract.	
Sanitary Sewer Ejection Pits	Collection point for wastewater requiring pretreatment before discharge to the sanitary sewer.	Engulfment, microbiological hazard, corrosive chemicals for cleaning/sanitization, low O2 from biological or chemical activity.	O2	Lock Out/Tag Out	

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Heating Boiler	Pressure vessels for heating utilities	Heat, steam, low O2	O2, other monitoring for hazards introduced into space	Lock Out/Tag Out, active ventilation	
HVAC Housing Air handlers, heating units	Housing for heating/cooling units and fans. Most are installed on rooftops. Excludes ducts without mehcanical equipment.		None Expected	HVAC equipment with a standard door would not normally be considered a confined space. However, any space may require Lock-out/Tagout before entry. If equipment is not guarded or guards will be removed, the equipment must be locked out or entry made under a written work permit	
Elevator Shafts	Vertical spaces for passenger and freight lifts.	Mechanical, electrical, hydraulic fluid	Not required unless work introduces a hazard to space.	Lock-out/Tag-out secure the elevator car and moving parts.	
Crawl spaces/unexcav ated spaces	Space under buildings for access to utilities, ductwork, etc.	Mechanical, electrical, hot/cold surfaces	Not required unless work introducesa hazard to space	None identified	
Water Treatment WFI Tank	Water Storage	Low oxygen, Corrosive liquids, Hot liquids, Engulfment from liquids, Steam	Oxygen, %LEL, Corrosive atmosphere (HCl)	Lockout utilities	