

## U-M General listing of Campus Confined Spaces

Note: Below are examples of confined spaces that are present on U-M's campus. EHS can assist with completing a confined space evaluation for specific tasks/jobs.

Type of Space	Potential Hazards	Most Likely Permit Classification
Above Ground Storage Tanks	Hazardous Atmosphere, Engulfment, Chemical Exposure	Permit Required
Air Handling Unit/ Ductwork	Struck Against	Permit Required. Lockout required to reclassify to Non-Permit
Attic Spaces	None, Unless Work Induced	Non-Permit Space
Bathroom Pipe Chases	None, Unless Work Induced	Non-Permitted Space
Boilers	Hazardous Atmosphere, Heat, Configuration	Permit Required
Building Steam Loops	Configuration, Heat	Permit Required
Certain Section of Utility Tunnels	Configuration, Heat	Permit Required
Chimneys and Stacks	Hazardous Atmosphere, Heat, Configuration	Permit Required
Cooling Towers Basins	Struck Against	Permit Required. Lockout required to reclassify to Non-Permit
Crawl Spaces	None, Unless Work Induced	Non-Permit Space
Cyclone/Dust Collector	Engulfment, Entrapment	Permit Required
Electrical Vaults/ Manholes	Hazardous Atmosphere, Electric shock	Enclosed Space/ Permit Required
Elevator Pits	Struck Against, Crush	Permit Required. Lockout required to reclassify to Non-Permit
Hazardous Exhaust Fan/ Ductwork	Struck Against, Chemical Exposure	Permit Required. Lockout required to reclassify to Non-Permit
Interstitial Spaces	None, Unless Work Induced	Non-Permitted Space
Pump, Sump, and Valve Pits	Hazardous Atmosphere, Engulfment	Permit Required
Sanitary Sewer Manholes	Hazardous Atmosphere, Engulfment	Permit Required
Storm Sewer Manholes	Hazardous Atmosphere, Engulfment	Permit Required
Tele-Com Vaults/ Manholes	Hazardous Atmosphere	Enclosed Space/ Permit Required
Trash Compactors	Struck Against, Crush	Permit Required. Lockout required to reclassify to Non-Permit
Underground Storage Tanks	Hazardous Atmosphere, Engulfment, Chemical Exposure	Permit Required