



Example Confined Space Inventory and Classification Deliverable

Confined spaces within your facility must be identified and classified to ensure safe entry. During Brady Safety's Confined Space Inventory and Classification service, we collaborate with your team to identify your confined spaces on-site and evaluate the hazards within the spaces.

With this information, we then properly classify these spaces as permit or non-permit required spaces and provide you with a detailed confined space inventory and permit-required confined space hazard analysis.

Map Orientation #	Area	Space Identification	Date Reviewed	Department	Location	Entry	Contains or has a potential to contain a hazardous atmosphere	Contains a material that has the potential for engulfing an entrant	Has an internal configuration such that an entrant could be trapped or asphyxiated by inwardly converging walls or by a floor that slopes downward and tapers to a smaller cross-section	Contains any other recognized serious safety or health hazard	Is confined space a permit space?	Notes	Space Designation
1		30 CF Blender	12/17/15	Mixing	Blend Room	Entry from Bottom on a Ladder	No	No	No	Yes	Yes	Permit-required confined space due to the need to use a man-lift or other device to enter the space and LOTO to prevent the tank from rotating	Permit-Required Confined Space
15	Area 1	Boiler	12/17/15	Facilities	Mechanical Room	Crawl into Boiler	Yes	No	Yes	Yes	Yes	Potential flammable atmosphere	Permit-Required Confined Space
18	Area 2	Trash Compactor #1	12/17/15	Facilities	Loading Dock	Enter Compactor Container	Yes	Yes	No	No	Yes	Entering into mechanical section of compactor is a confined space when container is attached to compactor. Recommend making the entire system a permit-required confined space	Permit-Required Confined Space
20	Area 3	Carbon Filter Tank #1	12/17/15	Facilities	Mechanical Room	Manhole On Top from Scaffold	No	Yes	Yes	Yes	Yes	Enter from top, need harness and lanyard for fall protection	Permit-Required Confined Space
22	Area 4	Dust Collection Hopper	12/17/15	Finishing	Packaging	Possible Limb Entry Only to Change Filters	Yes	No	Yes	No	Yes	Entry through doors on side	Permit-Required Confined Space
26	Area 5	Holding Tank #1	12/17/15	Facilities	Facility's Boiler Room Next to Maintenance	Top Porthole	No	No	Yes	Yes	Yes	Enter from top, need harness and lanyard for fall protection	Permit-Required Confined Space
29	Area 6	Elevator Shaft	12/17/15	Office	Visitor Lobby	Manually Open Doors with Elevator in Upper Level Position	No	No	Yes	Yes	Yes	See OSHA regulations regarding classification of elevator pits and equipment rooms	Permit-Required Confined Space
37	Area 7	Trane Air Handling Unit	12/17/15	Facilities	Roof	Doors on Unit	Yes	No	Yes	Yes	Yes		Permit-Required Confined Space
41	Area 8	Sewer Line Manhole	12/17/15	Environmental	NE Parking Lot C	Manhole Cover Removed	Yes	Yes	No	Yes	Yes	Refer to OSHA regulations regarding sewer entry	Permit-Required Confined Space
47	Area 9	Wet Well Pump Enclosure	12/17/15	Environmental	South Lawn Pump House	Ground Level Hatch & Fixed Ladder	No	No	Yes	Yes	Yes		Permit-Required Confined Space
48	Area 10	Sludge Tank #1	12/17/15	Environmental	South Lawn Pump House	Top Entry Port	Yes	Yes	Yes	Yes	Yes		Permit-Required Confined Space
51	Area 11	Sampling Well Enclosure	12/17/15	Environmental	South Lawn Pump House	Top Hatch and Fixed Ladder	Yes	Yes	Yes	Yes	Yes		Permit-Required Confined Space
53	Area 12	Tank #1	12/17/15	Raw Materials	Receiving	Top Entry Port	Yes	Yes	Yes	Yes	Yes		Permit-Required Confined Space
54	Area 13	Autoclave #1	12/17/15	R&D	Quality Department	Door on Front	N/A	N/A	N/A	N/A	No		Non-Permit Confined Space

Sample Permit-Required Confined Space Hazard Analysis

Space Identification	Date Reviewed	Hazards																	Personal Protective Equipment			Rescue Services							
		Number of Entry Points	ATMOSPHERIC										PHYSICAL							EQUIPMENT REQUIRED FOR ENTRY			DESCRIBE NON-ENTRY & ENTRY RESCUE EQUIPMENT						
			Sulfur Dioxide	Methane	Ammonia	Chlorine	Nitrogen Oxide	Hydrogen	Oxygen Enrichment	Combustible Gas	Carbon Monoxide	Other Toxic Hazards	List Other Toxic Hazards along with Testing or PPE Requirements	Mechanical	Electrical	Process Lines (In/Out)	Configuration (Entrapment)	Crushing, Engulfment (Solid / Liquid) or Entrapment	Temperature Extreme (Hot/Cold)	Fall Hazard (People/Equip/Materials)	Restricted Entry/Exit	Fire or Explosion	Slips, Trips and Falls	Sludge/Sewage	Other Physical Hazards	Describe All Physical Hazards, Hazardous Energy Eliminated by LOTO Procedures and Hazards not Adequately Covered by LOTO	Chemical PPE	Respiratory PPE	Other PPE
30 CF Blender	12/17/15	1	N		N	N	N	N	N		Y	Y											Y	LOTO of blending/tumbling process. Entrapment hazard created when using a ladder to enter from the bottom, changed to manlift entry, which also has a connection point for a harness	N	N	Y	PPE as required for the job, climbing harness & 2 point lanyard attached to self retracting lifeline from above	Manlift and body harness
Boiler	12/17/15	1	Y		Y	Y	Y	Y	Y		Y	N											N	LOTO of burner system, gas lines, electrical systems	N	N	Y	PPE as required for the job, harness & lanyard attached to horizontal retrieval system	Full body harness, lanyard or life-line attached to horizontal retrieval system.
Trash Compactor #1	12/17/15	1	N		N	N	Y	Y	Y		Y	Y											Y	LOTO of compaction system. Potential slip/fall hazards, loose trash which may engulf or fall on a person	Y	N	Y	PPE as required for the job, including chemical gloves and chemical/water resistant suit, harness with retrieval line	Full body harness and lifeline attached to hook outside of space.
Carbon Filter Tank #1	12/17/15	1	N		N	N	N	N		N	N												N	LOTO of all water lines, engulfment hazard from carbon material still in tank, slip/fall hazard on wet surfaces, rounded tank shape with no proper footholds	Y	N	Y	PPEs required for the job, chemical gloves, chemical/water resistant suit, climbing harness, portable post, davit arm, 2 point lanyard attached to self-retracting lifeline w/ emergency hoist	Full body harness, 2 point lanyard, portable fall arrest post, davit arm, and self-retracting lifeline w/ emergency hoist
Dust Collection Hopper	12/17/15	4	N		N	N	Y	N	N		N	Y											N	LOTO of electric & pneumatic filter purge system, converging walls of material discharge	Y	Y	Y	PPE as required for the job, harness with retrieval line	Full body harness with retrieval life-line attached to hook outside of space.
Holding Tank #1	12/17/15	2	Y		Y	N	N	N	N		Y	Y											N	LOTO of all product lines, engulfment hazard from liquid material still in tank, slip/fall hazard on wet surfaces, rounded tank shape with no proper footholds	Y	Y	Y	PPEs required for the job, climbing harness, portable post, davit arm, 2 point lanyard attached to self-retracting lifeline w/ emergency hoist	Full body harness, 2 point lanyard, portable fall arrest post, davit arm, and self-retracting lifeline w/ emergency hoist
Elevator Shaft	12/17/15	1	N		N	N	N	N	N		N	N											N	LOTO of elevator in upper position, LOTO of doors, physical block under elevator to prevent falling, prop to hold doors open	N	N	Y	PPE as required for the job, harness & lanyard attached to horizontal retrieval system.	Full body harness, lanyard or life-line attached to horizontal retrieval system
Trane Air Handling Unit	12/17/15	1	N		N	N	N	N	N		N	N											N	LOTO of elevator in upper position, LOTO of doors, physical block under elevator to prevent falling, prop to hold doors open	N	N	Y	PPE as required for the job, harness & lanyard attached to horizontal retrieval system.	Full body harness, lanyard or life-line attached to horizontal retrieval system

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