## CONFINED SPACE ENTRY LIST

Building	Space Location	Nature of Hazards	Safety Precautions	Equipment Required	Comments
1600 Millrace	West side on riverfront drive	1. Oxygen Deficiency	1. Permit Posted	1. Monitor	1. Permit required
			2. Atmoshpheric Test	2. Compatible Communication Equipment	2. Attendant required
			3. Other (If standing water, then use sump pump)		
			4. Pedestrian Control		
Agate Hall	North side auditorium (entrance at	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
	ground level - wooden grate in	2. Electrical (sump pump)	2. Atmospheric test	2. Compatible communication equipment-radio	2. Attendant required
	north parking lot		3. If water present lock out sump pump prior to entry		3. Hard hat if entering beyond
Agate Hall Boiler	Boiler room east side of Agate Hall	1 Ovygen deficiency	1 Permit posted	1 Respirator required /discuss with EHS prior to entry	sump pump
Chimney (cleaning bird	boner room east side of Agate fram				
droppings inside the		2. Toxic gases/vapors- ammonia from bird droppings	2. Atmospheric test	2. Disposable coveralis	2. Attendant required
chimney)			3. Ventilation/purge	3. Rubber boots	3. Tools, rubber boots, rubber
			4. Do not inhale dust from bird droppings	4. Rubber gloves	gloves, or other contaminated
			5. Follow clean up procedures for bird droppings from EHS	5. Safety goggles	be cleaned with a 10% bleach
			6. After clean up put disposable protective clothing into the plastic bag.	6. Compatible communication equipment-radio	solution
			7. Remove the dust respirator last	7. Monitor	
Columbia Hall	Sidewalls on the couth entrance of	1 Overgan Deficiancy	1 Darmit Dagtad	Ventilation equipment     Monitor	1 Dormit Doquirod
	the building	2. Electrical Shock	2. Atmospheric Test	1. Mollitor	1. Fermit Required
		2. Electrical Shock	2. Atmospheric rest 3. Pedestrian Control	2. Compatible Communication Equipment	2. Attenuant required
			4 Lock Out/Tag Out	5. Hard Hat	
Autzen Stadium	Electrical vault North berm directly	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
	behind North sky building outside	2. Electrical shock	2. Atmospheric test	2. Hard hat	2. Attendant required
	of fence		3. Traffic control	3. Compatible communication equipment-radio	•
			4. Pedestrian control		
			5. Lockout/tagout where applicable		
			6. Maintain 25" minimum approach distance. Two qualified high voltage		
			electricians required if unable to main 25" clearance.		
Autzen Stadium	Electrical vault South berm East of	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
			2. Atmospheric test	2. Hard hat	2. Attendant required
			3. I FAILIC CONTROL	3. Compatible communication equipment-radio	
			4. Pedestrian control	Appropriate FK FFE and insulated tools     Barricade (cones	
			5. Lockout/tagout where applicable	6 Block lids open or secure	
Autzen Stadium	Electrical vaults x2 West end of	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
	field level inside stadium	2. Electrical shock (sump pumps)	2. Atmospheric test	2. Hard hat	2. Attendant Required
		3. Engulfment	3. Traffic control	3. Compatible communication equipment-radio	
		5	4. Pedestrian control		
			5. Lockout/tagout where applicable		
			6. Maintain 25" minimum approach distance. Two qualified high voltage		
			electricians required if unable to main 25" clearance.		
Autzen Stadium	Restroom vent ducting near top of	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
			2. Atmospheric test	2. Compatible communication equipment-radio	2. Attendant Required
Autzon Stadium	Postroom yout ducting poor top of	1 Ovugan deficiency	1 Permit posted	о. паги пац	1 Dormit required
Autzen Staufum	West berm of stadium	1. Oxygen denciency	Atmospheric test	1. Monitor	1. Permit required
	West berni of statium		2. Autospheric test	2. Compatible communication equipment-ratio	2. Attenuant Reguireu
Autzen Stadium	Sanitary sewer nump station room	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
	E148 (inside E154), East end of	2. Electrical shock	2. Atmospheric test	2. Hard hat	2. Attendant Required
	stadium field level		3. Traffic control	3. Compatible communication equipment-radio	
			4. Pedestrian control	r	
			5. Lockout/tagout where applicable		
Autzen Stadium	Sanitary sewer pump station room	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
	W152 West end inside visitor	2. Electrical shock	2. Atmospheric test	2. Hard hat	2. Attendant required
	locker room		3. Traffic control	3. Compatible communication equipment-radio	
			4. Pedestrian control		
			5. Lockout/tagout where applicable		

Building	Space Location	Nature of Hazards	Safety Precautions	Fauinment Required	Comments
Autron Stadiene	Space Location		1 Downsit worked		
Autzen Stadium	storm water values x2 (field	1. Oxygen deficiency	1. Permit posted		1. Permit required
	and zono in front of wisiter's loci-	Z. Fall	2. Atmospheric test	2. Retrieval equipment	2. Attendant required
	room (approx 14' doop)	3. Electrical shock	3. Pedestrian control	3. Harness	
	room (approx. 14 deep)	4. Engulfment	4. Lockout/tagout sump pumps	4. Lifeline for fall protection	
				5. Compatible communication equipment-radio	
				6. Hard hat	
				7. Barricades/cones	
				8. Ladder may be needed	
Autzen Stadium	Water control valve North of	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
	Casanova Center, next to MLK Blvd		2. Atmospheric test	2. Compatible communication equipment-radio	2. Attendant required
			3. Ventilation/purge	3. Hard hat	-
			4. Traffic control	4. Barricades/cones	
Autzen Stadium	Water control valve Northeast of	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
	end zone terrace, concourse level	2. Flammable gases/vapors	2. Atmospheric test	2. Compatible communication equipment-radio	2. Attendant required
	(approximately 4' deep)		3. Ventilation/purge	3. Hard hat	<b>1</b>
			4 Traffic control	4 Barricades/cones	
				5 Ventilation equipment	
Backflow Proventer	All backflow preventer vaults	1 Ovygen deficiency	1 Permit posted	1 Monitor	1 Permit required
Vaults	All backnow preventer vaults	2 Electrical (if sump numps)	2 Atmospheric test	2. Compatible communication equipment radio	2 Attendant required
vauits		2. Electrical (il sump pumps)	2. Kuntospheric test	2. Compatible communication equipment-radio	2. Attendant required
			5. If water present lock out sump pump to entry if applicable		
			4. Hard hat if entering beyond sump		
			pump if applicable		
Backflow Preventer	All	If no hazard exists	None – No permit needed	None	If hazards exist then follow
vaults < 4 Feet Deep					backflow preventer vaults –
Bean Cistern	Off tunnels outside Bean	1 Oxygen deficiency	1 Permit nosted	1 Monitor	1 Permit required
bean eistern	mechanical room	2 Flooding	2 Atmospheric test	2 Hard hat	2 Attendant required
	meenamearroom	2. 1100ung	2. 2-person tunnel rule	2. Flashlight	2. Attenuant required
Casanova Contor	Water heating tanks (2)	1 Ovygon deficiency	1 Permit posted	1 Compatible communication equipment radio	1 Permit required
Mechanic Room	Water heating tanks (5)	2 Water engulfment	2 Atmospheric test	2 Monitor	2 Attendant required
Neenanie Room		2. Water enguiment	2. Atmospheric test	2. Monitor	2. Attenuant required
				5. Ventilation equipment	5. LOCKOUL/ tagout water
Casanova Center	Heat furnaces (2)	1. Oxygen deficiency	1. Permit posted	1. Compatible communication equipment-radio	1. Permit required
Mechanical Room		2. Flammable gases/vapors	2. Atmospheric test	2. Monitor	2. Attendant required
				3 Ventilation equipment	3 Lockout/tagout (blank
				5. Venenation equipment	bleed) gas source
Cascade Hall	Chemical exhaust, building roof	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
		2. Toxic gases/vapors	2. Atmospheric test	2. Compatible communication equipment-radio	2. Attendant required
		3. Material harmful to the skin	3. Open all doors	3. Eve protection	-
			·	4. Protective clothing	
				5. SCBA	
Cascade Hall/Cascade	Oil separator in sidewalk between	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
Annex	buildings	2. Flammable gases /vapors	2. Atmospheric Test	2. Compatible communication equipment-radio	2. Attendant required
		2. Toxic gases /vapors	3 Pedestrian control	3 Hard hat	2. Attenuant requireu
		4 Material harmful to the skin	4. Both doors open	4. Barricados (conos	
		4. Material harmun to the skin	4. Dom doors open	F. Both doors open	
Control Witch on	Daam 110. matama array			5. Both doors open	1 Demuit Demuined
Central Kitchen	Room 110; rotary oven	1. Oxygen Deficiency	1. Permit posted		1. Permit Required
		2. Heat	2. Atmospheric test	2. Compatible Communication Equipment	2. Attendant Required
		3. Natural Gas	3. Lockout/Tagout	3. Hard Hat and Knee Pads	
		4. Other (tight space)	4. Cooling time		
Central Power Station	#1 boiler exhaust breeching	1. Oxygen deficiency	1. Permit posted	1. Compatible communication equipment-radio	1. Permit required
		2. Toxic gases/vapors	2. Atmospheric test	2. Monitor	2. Attendant required
			3. Ventilation/purge		3. Lockout/tagout gas lines, oil
					lines and steam atomizer lines
Control Dowor Station	#1 hoiler fire hoy	1 Ovugen deficiency	1 Permit posted	1 Compatible communication equipment radio	1 Permit required
Sentral rower Station		2 Toxic gasos /vapors	2. Atmospheric test	2 Monitor	2 Attendant required
		2. I UXIC gases/ vapuls	2. Vontilation / www.	2. MUIIIIUI	2. Attenuant required
			5. ventulation/purge		5. LUCKOUL/ LAGOUT GAS LINES, OIL lines and steam atomization
					lines

Building	Space Location	Nature of Hazards	Safety Precautions	Equipment Required	Comments
<b>Central Power Station</b>	#1 boiler mud drum	1. Oxygen deficiency	1. Permit posted	1. Compatible communication equipment-radio	1. Permit required
		2. Steam/water engulfment	2. Atmospheric test	2. Monitor	2. Attendant required
		3. Toxic gases/vapors	3. Ventilation/purge	3. Ventilation equipment	3. Lockout/tagout on main
					steam, feedwater and steam
Central Power Station	#1 boiler steam drum	1 Oxygen deficiency	1 Permit nosted	1 Compatible communication equipment-radio	1. Permit required
Sentral I Swer Station		2. Steam/water engulfment	2. Atmospheric test	2. Monitor	2. Attendant required
		3. Toxic gases/vapors	3. Ventilation/purge	3. Ventilation equipment	3. Lockout/tagout on main
			/1 G		steam, feedwater, and
					steam blanket system
<b>Central Power Station</b>	#1 horizontal D.A. tank (third level)	1. Oxygen deficiency	1. Permit posted	1. Compatible communication equipment-radio	1. Permit required
		2. Steam/water engulfment	2. Atmospheric test	2. Monitor	2. Attendant required
		3. Toxic gases/vapors	3. Ventilation/purge	3. Ventilation equipment	3. Lockout/tagout on steam
					feedwater systems and
					chemical feed lines
<b>Central Power Station</b>	#2 Boiler Exhaust Breeching	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
		2. Toxic gases/vapors	2. Atmospheric test	2. Compatible communication equipment-radio	2. Attendant required
			3. Ventilate/purge		3. Lockout/tagout gas lines, oil
					lines and steam atomization
<b>Central Power Station</b>	#2 Boiler Fire Box	1. Oxygen deficiency	1. Permit posted	1. Compatible communication equipment-radio	1. Permit required
		2. Toxic gases/vapors	2. Atmospheric test	2. Monitor	2. Attendant required
			3. Ventilation/purge		3. Lockout/tagout- gas lines,
					oil lines, and steam atomization
Central Power Station	#2 Boiler Mud Drum	1 Oyygen deficiency	1 Permit nosted	1 Compatible communication equipment-radio	lines 1 Permit required
Central I ower Station		2 Steam/water engulfment	2 Atmospheric test	2 Monitor	2. Attendant Required
		3. Toxic gases/vapors	3. Ventilation/purge	3. Ventilation equipment	3. Lockout/tagout on main
					steam, feedwater, and steam
					blanket systems
Central Power Station	#2 Boiler Steam Drum	1. Oxygen deficiency	1. Permit posted	1. Compatible communication equipment-radio	1. Permit required
		2. Steam/water enguliment	2. Atmospheric test	2. Monitor	2. Attendant required
		5. Toxic gases/vapors	5. Ventilation/purge	3. Ventilation equipment	5. Lockoul/lagout on main steam, feedwater, steam
					blanket system
<b>Central Power Station</b>	#2 horizontal D.A. tank (third level)	1. Oxygen deficiency	1. Permit posted	1. Compatible communication equipment-radio	1. Permit required
		2. Steam/water engulfment	2. Atmospheric test	2. Monitor	2. Attendant required
		3. Toxic gases/vapors	3. Ventilation/purge	3. Ventilation equipment	3. Lockout/tagout on steam
					condensate/make -up, feedwater and chemical feed
					systems
<b>Central Power Station</b>	Boiler blowdown sump pumping	1. Oxygen deficiency	1. Permit posted	1. Compatible communication equipment-radio	1. Permit required
	tank	2. Water engulfment	2. Atmospheric test	2. Fall protection equipment	2. Attendant required
				3. Monitor	3. Lockout/tagout of electrical
				4. Barricades for walkway protection	equipment (480V sump pump)
Central Power Station	Emergency standby generators	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
	access panels	2. Diesel fumes	2. Atmospheric test	2. Hard hat	2. Attendant required
		3. Electrical shock	3. Lockout/tagout where applicable.	3. Compatible communication equipment-radio	-
			4. Maintain 25" minimum approach distance. Two qualified high- voltage		
			electricians required if unable to maintain 25" clearance		
			5. Open access door and allow air to flow at least 10 minutes prior to entr	У	
<b>Central Power Station</b>	Heat Recovery and Steam	1. Oxygen deficiency	1. Permit posted	1. Compatible communication equipment-radio	1. Permit required
	Generation (HRSG)	2. Heat	2. Atmospheric test	2. Monitor	2. Attendant required
			3. Ventilation/purge	3. Fans and ventilation equipment	3. Lockout/tagout on main
			4. Lockout/tagout	4. Flashlight and/or appropriate lighting	steam, steam blanket systems
			5. Open stack cover and ALL manhole doors		and connection between gas
					turbine. 4. Ensure fire box is at room
					temperature.

Building	Space Location	Nature of Hazards	Safety Precautions	Equipment Required	Comments
Central Power Station	RO make-up tank – ground level	1. Oxygen deficiency	1. Permit posted	1. Communication equipment	1. Permit required
		2. Engulfment	2. Atmospheric test	2. Hard hat	2. Attendant required
		3. Toxic gases/vapors	3. Ventilation/purge if needed	3. Harness	3. Harness with lifeline
		5 / Y	,	4. Lifeline	4. Hard hat
				5. Ventilation equipment	5. Lockout/tagout water
				6. Retrieval equipment	supply
<b>Central Power Station</b>	Steam intertie	1. Oxygen deficiency	1. Permit posted	1. Compatible communication equipment-radio	1. Permit required
		2. Steam	2. Atmospheric test	2. Hard hat	2. Attendant required
		3. Heat		3. Monitor	
<b>Central Power Station</b>	Various external e- vaults South	1. Possible stagnant air	1. Permit posted	1. Monitor	1. Permit required
Chiller Building	and East side of building – under	2. High voltage connections	2. Atmospheric test	2. Hard hat	2. Attendant required
	transformers	3. Electrical shock	3. Lockout/tagout where applicable	3. Compatible communication equipment-radio	•
			4. <b>Maintain 25" minimum</b> approach distance. Two qualified high- voltage electricians required if unable to maintain 25" clearance	4. Appropriate FR PPE and insulated tools	
			5. Open access doors and allow air to flow at least 10 minutes prior to		
			6 Perform visual check for presence of water on the floor. Do not enter if		
			water is visible.		
			7. Take added precaution as necessary to remove water prior to entry.		
<b>Central Power Station</b>	11 Underground Storage Tanks (9	1. Oxygen deficiency	1. Permit Posted	1. Monitor	1. Permit Required
	diesel)	2. Diesel/Gasoline vapors	2. Atmospheric Test	2. Compatible comminication equipment - radio	2. Attendant required
	uleselj	3. Engulfment	3. Lockout/Tagout if required	3. Hard Hat	
		4. Electrical Shock	4. after opening inner lid wait 60 seconds to allow for any accumulated	4. Barricades/cones	
1			vapors to disperse.	5 Tool to open inner lid	
				6 Magnet to aid in opening outer steel cover	
Central Power Station	Entrances at Northeast edge of	1 Possible stagnant air	1 Permit nosted	1 Monitor	1 Permit nosted
Electrical Vault (Switch	building and Northwest edge of	2 Flectrical shock	2 Atmospheric test	2 Compatible communication equipment-radio	2 Atmospheric test
House)	building - switch house	2. Liceffedi Slock	3 Lockout /tagout where applicable	3 Barricades	2. Athospheric test
,	underground electrical vault		4. Open both access doors and allow air to flow at least 10 minutes prior to	5. Darneades	
			4. Open both access doors and anow an to now at least 10 minutes prior to entry		
			5. Barricade entrances		
<b>Central Power Station</b>	Southwest side of Chiller Building	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
Oil/Water Separator (3		2. Engulfment	2. Atmospheric test	2. Compatible communication equipment-radio	2. Attendant required
water chambers)			3. Traffic control	3. Hard hat	3. Lockout/tagout pumps
			4 Pedestrian control	4 Retrieval equipment	
Electrical Vault	A]]	1 Oxygen deficiency	1 Permit posted	1 Monitor	1. Permit required
Liceti icui vuult		2 Flectrical shock	2 Atmospheric test	2 Hard bat	2 Attendant required
		2. Licerical Slock	3 Traffic control	<ol> <li>Compatible communication equipment-radio</li> </ol>	2. Attenuant required
			4 Dedestrian control	4 Appropriate EP DPE and insulated tools	
			4. Fedesultal control	Appropriate FR FFE and insulated tools     Parriagdes (some)	
			5. Lockout/tagout where applicable.	5. Barricades/cones	
			6. Maintain 25 minimum approach distance. Two quained high-voltage		
Fine Arts Studio	Vault with backflow devices on	1. Oxygen deficiency	1. Permit nosted	1. Monitor	1. Permit required
	West side of building		2. Atmospheric test	2. Hard hat	2. Attendant required
Ford Alumni Conton	NF sidowalk corner of Fast 12th	1 Ovugan deficiency	1 Pormit poeted	1 Monitor	1 Dormit required
roru Alumni Center	and Columbia Street backflow				1. Fermit required
	nreventer vault	2. Electrical shock	2. Atmospheric test	2. Barricades/cones	2. Attendant required
	provention runne		3. Pedestrian control	3. Compatible communication equipment-radio	3. Due to pedestrian traffic on
			4. Lock out sump pump prior to entry if applicable	4. Hard hat	sidewalk – ensure adequate barricades are up and attendant keeps pedestrians
					nom area arounu vault.

Building	Space Location	Nature of Hazards	Safety Precautions	Equipment Required	Comments
Ford Alumni Center (By Hamilton)	NW sidewalk corner of E 13th and Columbia St, backflow preventer vault	<ol> <li>Oxygen deficiency</li> <li>Electrical Shock</li> <li>Other: This space is known to have black widow spiders</li> </ol>	<ol> <li>Permit Posted</li> <li>Atmospheric test</li> <li>Pedestrian control</li> <li>Lock out sump pump prior to entry if applicable</li> </ol>	<ol> <li>Monitor</li> <li>Barricades/cones</li> <li>Compatible communiction equipment - radio</li> <li>Hard Hat</li> </ol>	<ol> <li>Permit Required</li> <li>Attendant Required</li> <li>Due to pedestrian traffic on sidewalk - ensure adequate barricades are up an attendant keeps pedestrians from area around vault.</li> </ol>
Franklin/Onyx Backflow Vault	NE Corner of Franklin and Onyx in the parking lot E of Knight Campus	<ol> <li>Oxygen deficiency</li> <li>Toxic gases/vapors (from traffic)</li> <li>Electrical shock</li> <li>(sump pump)</li> </ol>	<ol> <li>Permit posted</li> <li>Ventilate</li> <li>Atmospheric test</li> <li>Pedestrian control</li> <li>If water present – pump out prior to entering</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment-radio</li> <li>Barricades/cones</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Friendly Hall	Sump pump vault west central	<ol> <li>Oxygen deficiency</li> <li>Electrical shock</li> <li>Engulfment</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> </ol>	<ol> <li>Compatible communication equipment – radio/cell</li> <li>Lockout/tagout if applicable</li> <li>Monitor</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Frohnmayer Music	Domestic and fire water check valves manhole – Northwest corner of building	<ol> <li>Oxygen deficiency</li> <li>Electrical shock</li> <li>Engulfment</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>Pump out prior to entry</li> <li>Lockout/tagout sump pump</li> <li>Pedestrian control</li> <li>Barricades</li> </ol>	<ol> <li>Monitor</li> <li>Hard hat</li> <li>Communication equipment-radio</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Frohnmayer Music	Fire water check valves vault – Southeast corner of building at 18th Street parking lot	<ol> <li>Oxygen deficiency</li> <li>Electrical shock</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>Pump out prior to entry</li> <li>Lockout/tagout sump pump</li> <li>Pedestrian control</li> <li>Barricades</li> </ol>	<ol> <li>Monitor</li> <li>Communication equipment-radio</li> <li>Hard hat</li> <li>Barricades/cones</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Frohnmayer Music	Storm sewer pump station manhole – North side of building against center wall	<ol> <li>Oxygen deficiency</li> <li>Electrical shock</li> <li>Engulfment</li> <li>Fall from ladder</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>Pump out prior to entry</li> <li>Lockout/tagout sump pump</li> <li>Barricades</li> </ol>	<ol> <li>Monitor</li> <li>Retrieval equipment</li> <li>Harness</li> <li>Lifeline</li> <li>Communication equipment-radio</li> <li>Hard hat</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> <li>Harness with lifeline</li> </ol>
Gerlinger Hall	Chemical mixing pit in exterior building West end	<ol> <li>Oxygen deficiency</li> <li>Toxic gases/vapors</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment-radio</li> <li>Tripod</li> <li>Harness</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Global Scholars Fire Backflow and Sprinkler System Vault	15th Street, NW corner of Global Scholars Housing next to walkway near sidewalk	<ol> <li>Oxygen deficiency</li> <li>Electrical</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>If water present-pump out- un-plug sump pump prior to entry</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment-radio</li> <li>Barricades/cones</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Hayward Field	Mehcanical room, 491 pit	<ol> <li>Sewer gas</li> <li>Electrical shock</li> <li>Fall from ship ladder</li> <li>Pressurized steam</li> <li>Water Pipes</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>If water present - pump out prior to entering</li> </ol>	1. Monitor 2. Compatible communication equipment - radio 3. Hard hat	1. Permit required 2. Attendant required
Hayward Field	Backflow preventer vault, Lot 32 SE entrance	1. Oxygen deficiency	<ol> <li>Permit posted</li> <li>Ventilate</li> <li>Atmospheric test</li> <li>If water present- pump out prior to entering</li> <li>Pedestrian control</li> <li>Traffic control</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment-radio</li> <li>Barricades/cones</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
HEDCO Education	SW side of building- Fire backflow preventer vaults	<ol> <li>Oxygen deficiency</li> <li>Electric shock</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>If water present- pump out prior to entering</li> <li>Lock out sump pump prior to entry if applicable</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment-radio</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>

Building	Space Location	Nature of Hazards	Safety Precautions	Equipment Required	Comments
HEDCO Parking Garage	Exhaust fans at North side #8 and	1. Oxygen deficiency (car fumes)	1. Permit posted	1. Monitor	1. Permit required
	Southeast corner #10	2. Limited access/egress	2. Atmospheric test	2. Compatible communication equipment-radio	2. Attendant required
		3. Electrical	3. Lockout fan prior to entry		
		4. Moving parts			
Huestis Food Prep	Huestis basement, Zebrafish	1. Oxygen deficiency	1. Permit posted	1. Full Face Shield OR Surgical Mask and Safety Glasses	1. Permit required
Room #4-Sump Pump	Facility (vault is approx. 18'x5'x7'	2. Electrical Shock	2. Atmospheric test	2. Disposable rain gear	2. Attendant required
Vault SP- 2	deep)	3. Deep/standing water	3. Ventilate/purge vault prior to entry	3. Rubber wader boots	
			4. Fan and/or other ventilation equipment should be used to provide extra	4. Rubber or Neoprene gloves	
			ventilation		
			5. Lockout pumps	5. Head light and or/battery operated portable light	
			6. Attach air monitor close to entrant's breathing zone	6. Compatible communication equipment-radio	
				7. Monitor	
Huestis Hall	Backflow preventer valve vault in	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
	13th Avenue sidewalk		2. Atmospheric test	2. Compatible communication equipment-radio	2. Attendant required
Jacqua Academic Center	Reclamation pump vault for water	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
	feature East side of building	2. Electrical shock	2. Atmospheric test	2. Retrieval equipment	2. Attendant required
		3. Engulfment	3. Pump out water prior to entry	3. Harness	
		4. Fall from ladder	4. Lockout/tagout water supply and sump pump	4. Lifeline	
			5. Check pH of water prior to entering if water isn't completely removed.	5. Communication equipment	
			6. Ventilate	6. Hard hat	
			7. Pedestrian control	7. Rope	
			8. Use buddy system down - 1 space, 1 to do work, 1 person to assist	8. Ladder	
				9. Barricades/cones	
Jane Saunders Stadium	Backflow Preventer Pump at the SE	1. Oxygen Deficiency	1. Permit Posted	1. Monitor	1. Permit Required
	Corner of JSS	2. Other (water in bottom of vault)	2. Atmospheric Test	2. Compatible communication equipment	2. Attendant Required
		3. Electrical Shock	3. Lockout Pumps	3. hard hat	3. fixed ladder in place
				4. Other (boots)	
Jordan Schnitzer	Backflow device in vault	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
Museum of Art		2. Flooding	2. Atmospheric test	2. Compatible communication equipment	2. Attendant required
Klamath Hall	Chemical exhaust – building roof	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
		2. Toxic gases/vapors	2. Atmospheric test	2. Compatible communication equipment-radio	2. Attendant required
		3. Material harmful to the skin	3. Open all doors to ventilate	3. Eye protection	
				4. Retrieval Equipment	
Knight Compus	Machanical room 007 Acid wasta	1 Atmospheric hazarde	1 Dormit poeted	1. Monitor	1 Dormit required
Kinght Campus	neutralization nut	2 Acidic or caustic liquids	2 Atmospheric test	2 Compatible communication equipment - radio	2 Attendant Required
		3. Flooding	3. Avoid contact with skin	3. Retrieval equipment	2. Attenuant Regun eu
			4. Gloves		
			5. Splash protection for eyes (goggles or face shield)		
Knight Law School	164A - Locker Room	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
		2. Limited access/egress	2. Atmospheric test	2. Compatible communication equipment - radio	2. Attendand required
				3. Flashlight	3. Pole/yardstick to measure
				4. Pole to monitor each level of space	air in breathing zone
Knight Law School	Backflow vault sidewalk, NW	1. Oxygen deficiencies	1. Information sheet	1. Monitor	1. Permit required
	corner of building	2. Electrical (sump pump)	2. Atmospheric test	2. Compatible communication equipment-radio	2. Attendant required
			3. Lock out sump pump prior to entry if applicable	3. Barricade/cones	3. High traffic area
			4. Pedestrian control		
Knight Law School	I nree vaults in West side front	1. Uxygen deficiencies	1. Permit posted	1. Monitor	1. Permit required
	and EWEB connection)	2. Electrical (sump pump)	2. Atmospheric test	2. Compatible communication equipment-radio	2. Attendant required
			3. Lockout sump pump prior to entry if applicable		
Louron co Hell	Heility you't woodele en huit die - MAA	1 Overgon deficiency	4. redestrian control	1 Monitor	1 Dormit required
Lawrence Hall	corner room 185	Oxygen denciency     Electrical sheets	Permit posteu	1. MOIIIIOF	2 Attendent required
		2. Electrical Shock	2. Traffic control	2. India lide	2. Attenuant required
		5. Stealli	A Dedestrian control	5. Compatible communication equipment-radio	
		4. neat	<ol> <li>Feuesciali control</li> <li>Lockout sump nump and steam values if applicable</li> </ol>		
			5. Lockout sump pump and steam valves if applicable		

Building	Space Location	Nature of Hazards	Safety Precautions	Equipment Required	Comments
Lawrence Hall	Room 196 crawl space under building	<ol> <li>Oxygen deficiency</li> <li>Heat</li> <li>Piping and tight spaces</li> <li>Areas that slope upward create potential for entrant to get stuck</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment-radio</li> <li>Hard hat</li> <li>Flash light</li> <li>Ventilation equipment if necessary</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Lillis Business Complex	Backflow device in vault at SW corner of Peterson Hall	1. Oxygen deficiency	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>Pedestrian control</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment-radio</li> <li>Barricades/cones</li> <li>Flashlight</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> <li>High traffic area</li> </ol>
LISB	Roof-chemical exhaust x2	<ol> <li>Oxygen deficiency</li> <li>Toxic gases/vapors</li> <li>Material harmful to skin</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>Other-open all doors</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment-radio</li> <li>Eye protection</li> <li>Protective clothing</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Living Learning Center	Water control valve vault North side	<ol> <li>Oxygen deficiency</li> <li>Flood</li> <li>Electrical (sump pump)</li> </ol>	<ol> <li>Permit required</li> <li>Atmospheric test</li> <li>Traffic/pedestrian control</li> <li>If water present lockout sump pump prior to entry</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment</li> <li>Hard hat if working below sump</li> <li>Barricades/cones</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Living Learning Center	Water control valve vault South side along 15th Avenue	<ol> <li>Oxygen deficiency</li> <li>Flood</li> <li>Electrical (sump pump)</li> </ol>	<ol> <li>Permit required</li> <li>Atmospheric test</li> <li>Traffic/pedestrian control</li> <li>If water present lockout sump pump prior to entry</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment</li> <li>Hard hat if working below sump</li> <li>Barricades/cones</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Lokey Education	Hatch door in the crawl space. Located in Lokey A.	<ol> <li>Oxygen Deficiency</li> <li>Flammable Gases or Vapors</li> <li>Toxic Gases or Vapors</li> <li>Electrical Shock</li> </ol>	<ol> <li>Permit Posted</li> <li>Atmospheric Test</li> <li>Pedestrian Control</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment</li> <li>Hard hat (optional)</li> <li>Hand Protection</li> <li>Protective Clothing</li> <li>Lighting</li> <li>G. F. C. I.</li> <li>Barricades and Cones</li> </ol>	1. Permit Required 2. Attendant Required
Manholes <5 Feet Deep	All, except tunnel accesses	<ol> <li>Oxygen deficiency</li> <li>Electrical if sump pump</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>Traffic control</li> <li>Pedestrian control</li> <li>Lockout sump pump prior to entry if applicable</li> </ol>	<ol> <li>Monitor</li> <li>Hard hat</li> <li>Barricades/cones</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Manholes >5 Feet Deep	All, except tunnel accesses	<ol> <li>Oxygen deficiency</li> <li>Electrical if sump pump</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>Traffic control</li> <li>Pedestrian control</li> <li>Lockout sump pump prior to entry if applicable</li> </ol>	<ol> <li>Monitor</li> <li>Hard hat</li> <li>Barricades/cones</li> <li>Retrieval equipment</li> <li>Harness</li> <li>Lifeline</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Many Nations Longhouse	Vaults (electrical and utilities) on West side of Vivian Olum Child Care next to Knight Law parking lot	<ol> <li>Oxygen deficiency</li> <li>Electrical shock</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>Traffic control</li> <li>Pedestrian control</li> <li>Barricades</li> <li>Lockout/tagout where applicable</li> <li>Maintain 25" minimum approach distance. Two qualified high- voltage electricians required if unable to maintain 25" clearance.</li> </ol>	<ol> <li>Monitor</li> <li>Hard hat</li> <li>Compatible communication equipment-radio</li> <li>Appropriate FR PPE and insulated tools</li> <li>Barricades/cones</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Matthew Knight Arena	East side fire pump station and backflow preventer vaults along Villard Street	<ol> <li>Oxygen deficiency</li> <li>Electric shock</li> </ol>	<ol> <li>Permit posted</li> <li>Ventilate</li> <li>Atmospheric test</li> <li>If water present - pump out prior to entering</li> <li>Lockout sump pump prior to entry if applicable</li> <li>Pedestrian Control</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment-radio</li> <li>Barricades/cones</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required due to close proximity to sidewalk and pedestrian traffic.</li> </ol>

Building	Space Location	Nature of Hazards	Safety Precautions	Equipment Required	Comments
Matthew Knight Arena	Oil/water separator – Arena parking level P3 – manhole near parking space 290	1. Oxygen deficiency	<ol> <li>Permit posted</li> <li>Ventilate/purge</li> <li>Atmospheric test</li> <li>Traffic control</li> <li>Pump out prior to entry</li> </ol>	<ol> <li>Monitor</li> <li>Hard hat</li> <li>Compatible communication equipment-radio</li> <li>Barricades/cones</li> <li>Retrieval equipment</li> <li>Harness</li> <li>Lifeline for fall protection</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Matthew Knight Arena	Oil/water separator – manhole in Arena loading dock area	1. Oxygen deficiency	<ol> <li>Permit posted</li> <li>Ventilate/purge</li> <li>Atmospheric test</li> <li>Traffic control</li> <li>Pump out prior to entry</li> </ol>	<ol> <li>Monitor</li> <li>Hard hat</li> <li>Compatible communication equipment-radio</li> <li>Barricades/cones</li> <li>Retrieval equipment</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Matthew Knight Arena	Room 28 sewage ejector pit (SEP 2)	<ol> <li>Oxygen deficiency</li> <li>Sewer gas</li> <li>Electrical shock</li> </ol>	<ol> <li>Permit posted</li> <li>Ventilate/purge</li> <li>Atmospheric test</li> <li>Lockout/tagout where applicable</li> </ol>	<ol> <li>Monitor</li> <li>Hard hat</li> <li>Compatible communication equipment-radio</li> <li>Barricades/cones</li> <li>Retrieval equipment</li> <li>Harness</li> <li>Lifeline for fall protection</li> <li>Rubber boots</li> <li>Disposable Tyvek coveralls</li> <li>Neoprene gloves</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> <li>For work on sump pump – remove w/wire cable.</li> <li>If work in space, pump out sewage, decontaminate – wash and flush out space and pump out prior to entry.</li> </ol>
Matthew Knight Arena	Room 73 sewage ejector pit (SEP 3)	<ol> <li>Oxygen deficiency</li> <li>Sewer gas</li> <li>Electrical shock</li> </ol>	<ol> <li>Permit posted</li> <li>Ventilate/purge</li> <li>Atmospheric test</li> <li>Lockout/tag out where applicable</li> </ol>	<ol> <li>Monitor</li> <li>Hard hat</li> <li>Compatible communication equipment-radio</li> <li>Barricades/cones</li> <li>Retrieval equipment</li> <li>Harness</li> <li>Lifeline for fall protection</li> <li>Rubber boots</li> <li>Disposable Tyvek coveralls</li> <li>Neoprene gloves</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> <li>For work on sump pump – remove w/wire cable.</li> <li>If work in space, pump out sewage, decontaminate – wash and flush out space and pump out prior to entry.</li> </ol>
Matthew Knight Arena	Room 85 sewage ejector pit (SEP 4)	<ol> <li>Oxygen deficiency</li> <li>Sewer gas</li> <li>Electrical shock</li> </ol>	<ol> <li>Permit posted</li> <li>Ventilate/purge</li> <li>Atmospheric test</li> <li>Lockout/tag out where applicable</li> </ol>	<ol> <li>Monitor</li> <li>Hard hat</li> <li>Compatible communication equipment-radio</li> <li>Barricades/cones</li> <li>Retrieval equipment</li> <li>Harness</li> <li>Lifeline for fall protection</li> <li>Rubber boots</li> <li>Disposable Tyvek coveralls</li> <li>Neoprene gloves</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> <li>For work on sump pump – remove w/wire cable.</li> <li>If work in space, pump out sewage, decontaminate – wash and flush out space and pump out prior to entry.</li> </ol>
Matthew Knight Arena	Sanitary sewer pump station- pump 1 and 2 - Arena parking level P3 cage	<ol> <li>Oxygen deficiency</li> <li>Sewer gas</li> <li>Electrical shock</li> </ol>	<ol> <li>Permit posted</li> <li>Ventilate/purge</li> <li>Atmospheric test</li> <li>Traffic control</li> <li>Pedestrian control</li> <li>Lockout/tagout where applicable</li> </ol>	<ol> <li>Monitor</li> <li>Hard hat</li> <li>Compatible communication equipment-radio</li> <li>Barricades/cones</li> <li>Retrieval equipment</li> <li>Harness</li> <li>Lifeline for fall protection</li> <li>Rubber boots</li> <li>Disposable Tyvek coveralls</li> <li>Neoprene gloves</li> <li>Goggles</li> </ol>	<ol> <li>Permit required</li> <li>Attendant Required</li> <li>For work on sump pump – remove w/wire cable.</li> <li>If work in space, pump out sewage, decontaminate – wash and flush out space and pump out prior to entry.</li> </ol>

Building	Space Location	Nature of Hazards	Safety Precautions	Equipment Required	Comments
Matthew Knight Arena	Storm water sump pump pit (SP-2) – Southeast ramp to loading dock	1. Oxygen deficiency	<ol> <li>Permit posted</li> <li>Ventilate/purge</li> <li>Atmospheric test</li> <li>Traffic control</li> <li>Pump out prior to entry</li> </ol>	<ol> <li>Monitor</li> <li>Hard hat</li> <li>Compatible communication equipment-radio</li> <li>Barricades/cones</li> <li>Retrieval equipment</li> <li>Harness</li> <li>Lifeline for fall protection</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> <li>For work on sump pump – remove w/wire cable.</li> <li>If work in space, pump out sewage, decontaminate – wash and flush out space and pump out prior to entry.</li> </ol>
Matthew Knight Arena	Storm water sump pumps 1, 2 & 3 – arena parking level P3 cage	1. Oxygen deficiency	<ol> <li>Permit posted</li> <li>Ventilate/purge</li> <li>Atmospheric test</li> <li>Traffic control</li> <li>Pump out prior to entry</li> </ol>	<ol> <li>Monitor</li> <li>Hard hat</li> <li>Compatible communication equipment-radio</li> <li>Barricades/cones</li> <li>Retrieval equipment</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> <li>For work on sump pump – remove w/wire cable.</li> </ol>
Matthew Knight Arena Manholes < 5 Feet Deep	All – inside and outside of Arena	<ol> <li>Oxygen deficiency</li> <li>Electrical if sump pump</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>Traffic control</li> <li>Pedestrian control</li> <li>Lockout sump pump prior to entry if applicable</li> </ol>	<ol> <li>Monitor</li> <li>Hard hat</li> <li>Barricades/cones</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Matthew Knight Arena Manholes > 5 Feet Deep	All – inside and outside of Arena	<ol> <li>Oxygen deficiency</li> <li>Electrical if sump pump</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>Traffic control</li> <li>Pedestrian control</li> <li>Lockout sump pump prior to entry if applicable</li> </ol>	<ol> <li>Monitor</li> <li>Hard hat</li> <li>Barricades/cones</li> <li>Retrieval equipment</li> <li>Harness</li> <li>Lifeline if &gt; 5 feet depth for fall protection</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Millrace	Backflow preventer vault in sidewalk next to Onyx Street and Millrace	1. Oxygen deficiency	<ol> <li>Permit posted</li> <li>Ventilate</li> <li>Atmospheric test</li> <li>If water present- pump out prior to entering</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment-radio</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Millrace – Sewage Lift Station	Sanitary sewage lift station and two 5000 gallon surge tanks in sidewalk next to Onyx Street and Millrace	<ol> <li>Oxygen deficiency</li> <li>Electrical shock</li> <li>Engulfment</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>Traffic control</li> <li>Pedestrian control</li> <li>Lockout/tagout where applicable</li> </ol>	<ol> <li>Monitor</li> <li>Hard hat</li> <li>Compatible communication equipment-radio</li> <li>Barricades/cones</li> <li>Retrieval equipment</li> <li>Harness</li> <li>Lifeline or block opening for fall protection</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> <li>If using forklift with chain, remove one arm or move arms close enough so no one works underneath loaded arm.</li> </ol>
Millrace Studio II	Steam connection vault in road to North	<ol> <li>Oxygen deficiency</li> <li>Steam</li> <li>Water</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment-radio</li> <li>Hard hat</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Millrace Studio III	Water valve box Northwest end	<ol> <li>Oxygen deficiency</li> <li>Steam</li> <li>Water</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment-radio</li> <li>Hard hat</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Mobile Shop	Oil/water separator NW corner outside Mobile Shop	<ol> <li>Oxygen deficiency</li> <li>Electrical</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>Traffic control</li> <li>Pedestrian control</li> <li>Lockout sump pump prior to entry</li> </ol>	<ol> <li>Monitor</li> <li>Hard hat</li> <li>Barricades/cones</li> <li>Retrieval equipment</li> <li>Harness</li> <li>Lifeline for fall protection</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Moss Street Child Care	Water control valve vault along 17th Avenue	<ol> <li>Oxygen deficiency</li> <li>Electrical (sump pump)</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>Lockout sump pump if applicable</li> <li>Traffic/pedestrian control</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment</li> <li>Barricades/cones</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>

Moss Promy Munde       Mass Rever mode was better with a start of sectors of the start	Building	Space Location	Nature of Hazards	Safety Precautions	Eq
Sump Pring Manhol       343 4 on South old of Area       2.       paint       2.       Attangapteric set       2.         Mater Paint       3.       bettricit is book.       5.       bettricit is book.       7.       Paint pasted       4.         Mater Paint       4.       bettricit is book.       7.       Paint pasted       6.         Mater Paint       4.       Paint pasted       6.       6.         Mater Paint       1.       Parent pasted       6.       6.         Mater Paint       1.       Parent pasted       6.       6.         Mater Paint       1.       Parent pasted       7.       7.       7.         Mater Paint       1.       Parent pasted       1.       7.       7.         Mater Paint       1.       Parent pasted       1.       7.       7.         Mater Paint       1.       Parent pasted       1.       7.       7.         Mater Paint       Paint pasted       1.       Parent pasted       1.       7.         Mater Paint       Parent pasted       1.       Parent pasted       1.       7.         Mater Paint Pasted       1.       Parent pasted       1.       Parent pasted       1.	Moss Street Tunnel	Moss Street roadway between lots	1. Oxygen deficiency	1. Permit posted	1.
Notor Pool       All Perside Stack       1       Tuffic control       1.         Notor Pool       Alfvature expensions. South side of the sign for motion of the sign for mot	Sump Pump Manhole	33 and 34 on South side of Arena	2. Fall	2. Atmospheric test	2.
Motor Pool     01/weter separator, South side of the sign for more in the second of the second second pump is submerged of the second second pump is submerged of the second second pump prior to entry if applicable     5       Motor Pool     01/weter separator, South side of the sign for more in the second second pump is submerged of the sec		(approx. 17' deep)	3. Electrical shock	3. Traffic control	3.
Motor Pool Analubiosis       0.1/order sequencing, Seath Mode Area (Jappeon 12)       1. Organ deficiency       1. Permit posted       1. Permit posted <td></td> <td></td> <td></td> <td>4. Pedestrian control</td> <td>4.</td>				4. Pedestrian control	4.
Motor Pool       0//water segurator, Suth side of the sign for motor o				5. Remove water if sump pump is submerged	5.
Motor Peol Enclayers are for example of the sign for motor being services       1.       Very service services       1.       Permit posted       1.         Motor Peol Manholes       control for differences       1.       Organ deficiency       1.       Permit posted       1.         Motor Peol Manholes       30 Pradula Bied car work, ME       1.       Organ deficiency       1.       Permit posted       2.       Annaspheric test       1.         Motor Peol Manholes       30 Pradula Bied car work, ME       1.       Organ deficiency       1.       Permit posted       2.       Annaspheric test       2.       Annaspheric test       2.       4.         Motor Peol Manholes       30 Pradula Bied car work, ME       1.       Organ deficiency       1.       Permit posted       2.       Annaspheric test       2.       3.         Motor Peol Manholes       30 Pradula Bied, car works settling sever (2 manholes); cartination of a wash       1.       Organ deficiency       1.       Permit posted       2.       4.         Motor Peol Manholes       30 Pradula Bied, South aider       1.       Organ deficiency       1.       Permit posted       2.       4.         Motor Peol Manholes       2.       Organ deficiency       1.       Permit posted       2.       Annaspheric test       2.				6. Lockout sump pump prior to entry if applicable	6.
Motor Pool         Ul/water separator; Souti side of the sign of motor fool (spore felicities)         Description of the sign of motor is side of the sign of side of side of the sign of side of side of the sign of side of the sign of side of the sign of side of the sign of side of the sisis of the sisis of the sign of side sisis side of the sign of si					7.
Motor Pool <ul> <li>Display and the one (upports, 1:2)</li> <li>Congen deficiency</li> <li>Function and the one (upports, 1:2)</li> <li>Congen deficiency</li> <li>Function and the one (upports, 1:2)</li> <li>Congen deficiency</li> <li>Congen defi</li></ul>					8.
Actily pair free (approx 12.5"       2       <	Motor Pool	Oil/water separator, South side of	1. Oxygen deficiency	1. Permit posted	1.
Motor Pool/Fleet     6 certable is de of the sign for motor     1. Desgen Deficiency     1. Permit posted     1. Permit posted     1. Motor Status       Services     pool     2. Other (action monoside from vehicle traffic)     2. Atmospheric test		facility near fence (approx. 12.5'		2. Atmospheric test	2.
Motor Pool/Fleet         Located inside of the sign for motor         1. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.		deep)		3. Traffic control	3.
Notor Pool /Fleet         Instant of the sign for more intermediation on nonxide from vehicle raffic)         1. Permit posted         2. Annospheric test         3. Notor Pool Manholes         2. Other (action monxide from vehicle raffic)         2. Annospheric test         3. Notor Pool Manholes         3. Organ deficiency         1.           Motor Pool Manholes         3.0 Franklin Bivd, car wash, RE         1.         Oxygen deficiency         1.         2. Annospheric test         3.           Motor Pool Manholes         3.0 Franklin Bivd, car wash, RE         1.         Oxygen deficiency         1.         2. Annospheric test         3.           Motor Pool Manholes         3.0 Franklin Bivd, car wash, RE         1.         Oxygen deficiency         1.         Permit posted         1.           Motor Pool Manholes         3.0 Franklin Bivd, south side of figure (actioncy         1.         Permit posted         1.         Annospheric test         3.           Motor Pool Manholes         3.0 Franklin Bivd, South side of figure (actioncy         1.         Permit posted         1.         Permit posted         1.           Motor Pool Manholes         3.0 Franklin Bivd, South side of figure (actioncy         1.         Permit posted         1.         Annospheric test         3.           Motor Pool Manholes         Side along sidewale, new addition         1.         Oxygen deficie				4. Pump out prior to entry	4.
Notor Pool // Floet         Carder inside of the sign form work         C. Orgen Deficiency         I. Permit posted         Permit posted         Accomplant is needed to access the space, a fail exposure)         Notor Pool // State           Notor Pool Manholes         30 Pranklin Bivd; car wash, NE         1. Orgen deficiency         1. Permit posted         1. Permit pos					5.
Motor Pool/Fleet Services       Decade inside of the sign for motion       1. Oxgen Deficiency       1. Partitip costed       1. Partitip costed       2. Comport building West of sole space, a fail exposure       1. Partitip costed       2. Comport building West of sole space, a fail exposure       1. Partitip costed       2. Comport building West of sole space, a fail exposure       1. Partitip costed       2. Comport building West of sole space, a fail exposure       1. Partitip costed       2. Comport building West of sole space, a fail exposure       1. Partitip costed       1. Partitip costed       2. Comport building West of sole space, a fail exposure       1. Partitip costed       1. Partitip costed <td< td=""><td></td><td></td><td></td><td></td><td>6.</td></td<>					6.
Services       Pool       2. Other (carbon monoxide from vehicle traffic)       2. Atmospheric test       3. Other (a ladder is needed to access the space, a fail exposure)       1. Permit posted         Motor Pool Manholes       2.00 Frankin Blod car wash, NE or envolves       1. Permit posted       1. Permit posted       1. Permit posted         Autors Pool Manholes       2.00 Frankin Blod, car wash NE or envolves       1. Permit posted       2. Atmospheric test       2. Atmospheric test       2. Atmospheric test         Motor Pool Manholes       2.00 Frankin Blod, car wash settling 1. Carbon point of carbon point	Motor Pool/Fleet	located inside of the sign for motor	1. Oxygen Deficiency	1. Permit posted	1. M
Motor Pool Manholes correct of building. West of status and s- overflow and sanitary sever (2 manholes, nontinuation of car wash) <ul> <li>Anospheric test</li> <li>Anospheric test</li> <li>Traffic control</li> <l< td=""><td>Services</td><td>pool</td><td>2. Other (carbon monoxide from vehicle traffic)</td><td>2. Atmospheric test</td><td>2. C</td></l<></ul>	Services	pool	2. Other (carbon monoxide from vehicle traffic)	2. Atmospheric test	2. C
Motor Pool Manholes       30 Franklin Blvd, car wash, NE       1.       Oxygen deficiency       1. Permit posted       2.         Motor Pool Manholes       assert of building, West of setting tarks - overflow and saturation of car wash       1.       Permit posted       2.         Motor Pool Manholes       assert of tar wash       be optimited of tar wash       1.       Permit posted       1.         Motor Pool Manholes       assert of tar wash       be optimited of tar wash       1.       1.         Motor Pool Manholes       assert of tar wash settling       1.       orgen deficiency       1.       Permit posted       1.         Motor Pool Manholes       assert of building wash settling       1.       orgen deficiency       1.       Permit posted       1.         Motor Pool Manholes       assert of tar wash settling       1.       orgen deficiency       1.       Permit posted       1.         Motor Pool Manholes       facility near fence, ol/water settling near fence, ol/water separator (2 manholes approx.       2.       facility near fence, ol/water settling       1.       orgen deficiency       1.       Permit posted       1.         Museum of Natural and tar of tar wash       facility near fence, ol/water settling       1.       orgen deficiency       1.       Permit posted       1.         Nutarush Manhol				3. Other (a ladder is needed to access the space, a fall exposure)	3. H
Motor Pool Manholes       330 Franklin Blvd, car wash, NE       1.       Oxygen deficiency       1.       Permit posted       2.         Motor Pool Manholes       330 Franklin Blvd, car wash       *       Permit posted       3.       Traffic control       3.         Motor Pool Manholes       330 Franklin Blvd, car wash settling       1.       Oxygen deficiency       1.       Permit posted       7.         Motor Pool Manholes       330 Franklin Blvd, car wash settling       1.       Oxygen deficiency       1.       Permit posted       7.         Motor Pool Manholes       330 Franklin Blvd, South side of a car wash       1.       Oxygen deficiency       1.       Permit posted       1.         Motor Pool Manholes       330 Franklin Blvd, South side of a car wash       1.       Oxygen deficiency       1.       Permit posted       1.         Motor Pool Manholes       330 Franklin Blvd, South side of a car wash       1.       Oxygen deficiency       1.       Permit posted       1.         Motor Pool Manholes       330 Franklin Blvd, South side of a car wash       1.       Oxygen deficiency       1.       Permit posted       1.         Motor Pool Manholes       300 Franklin Blvd, South side of a car wash deficiency       1.       Permit posted       1.       1.         Motor Pool Manholes </td <td></td> <td></td> <td></td> <td></td> <td>4. L</td>					4. L
corner of building, West of setting, West of Seting, West of Setting, West of Seting, West of	Motor Pool Manholes	330 Franklin Blvd car wash, NE	1. Oxygen deficiency	1. Permit posted	1.
Initial control		corner of building, West of settling		2. Atmospheric test	2.
Noter Pool Manholes       Severa (2 in animoles), communation of a wash setting 1.       Oxygen deficiency       I.       Permit posted       I.         Moter Pool Manholes       30 Franklin Blvd, car wash setting 1.       Oxygen deficiency       I.       Permit posted       I.         Moter Pool Manholes       30 Franklin Blvd, South side of facility near fence, oil/vater separator (2 manholes approx.       I.       Oxygen deficiency       I.       Permit posted       I.         Museum of Natural and Water control valve vault North       I.       Oxygen deficiency       I.       Permit posted       I.         Museum of Natural and Water control valve vault North       I.       Oxygen deficiency       I.       Permit posted       I.         Museum of Natural and Water control valve vault North       I.       Oxygen deficiency       I.       Permit posted       I.         Museum of Natural and Water control valve vault North       I.       Oxygen deficiency       I.       Permit posted       I.         Network & Telecom       All       Oxygen deficiency       I.       Permit posted       I.       I.         Nutzin/Manholes       All       Oxygen deficiency       I.       Permit posted       I.       I.         Nutzin/Manholes       All       Oxygen deficiency       I.       Permit posted		tanks – overflow and sanitary		3. Traffic control	3.
Motor Pool Manholes       330 Franklin Blvd, car wash settling 1.       Oxygen deficiency       1.       Permit posted       7.         Motor Pool Manholes       330 Franklin Blvd, car wash settling 1.       Oxygen deficiency       1.       Permit posted       2.         Motor Pool Manholes       330 Franklin Blvd, South side of facility near fence, oil/vater sparafor (2 manholes approx. 1.// 2.5' deep). East of natural gas pumps       1.       Oxygen deficiency       1.       Permit posted       1.         Museum of Matural and Louis Vater control vabe vault North       1.       Oxygen deficiency       1.       Permit posted       1.         Museum of Matural and Louis Vater control vabe vault North       1.       Oxygen deficiency       1.       Permit posted       2.         Museum of Xatural and Louis Vater control vabe vault North       1.       Oxygen deficiency       1.       Permit posted       2.         Museum of Xatural and Louis Vater control vabe vault North       1.       Oxygen deficiency       1.       Permit posted       2.         Network & Telecom       All       Oxygen deficiency       1.       Permit posted       2.         Nutry Manholes       All       Oxygen deficiency       1.       Permit posted       2.         Nutry Manholes       All       Oxygen deficiency       1.       Permit po		of car wash			4.
Motor Pool Manholes       Additional statistic statisti statistic		of car wash			5.
Ander Pool Manholes       330 Franklin Blvd, car wash settling       1.       Oxygen deficiency       1.       Permit posted       1.         Motor Pool Manholes       330 Franklin Blvd, South side of facility near fence, oil/water synthese approx, 12.5' deep), East of natural gas pumps       1.       Oxygen deficiency       1.       Permit posted       1.         Motor Pool Manholes       330 Franklin Blvd, South side of facility near fence, oil/water synthese approx, 12.5' deep), East of natural gas pumps       1.       Oxygen deficiency       1.       Permit posted       2.       Atmospheric test       2.         Museum of Natural and Lutrari History       Water control valve vault North       1.       Oxygen deficiency       1.       Permit posted       1.       1.         Network & Telecom       Water control valve vault North       1.       Oxygen deficiency       1.       Permit posted       1.         Network & Telecom       Vaults/Manholes       Atmospheric test       2.       Atmospheric test       3.       1.         Network & Telecom       Vaults/Manholes       Atmospheric test       3.       1.       Oxygen deficiency       1.       Permit posted       1.         Vaults/Manholes       Atmospheric test       3.       Vargen deficiency       1.       Permit posted       1.         Vaults/Manholes </td <td></td> <td></td> <td></td> <td></td> <td>6.</td>					6.
Motor Pool Manholes       30 Franklin Blvd, car wash settling       1. Oxygen deficiency       1. Permit posted       2.         Motor Pool Manholes       30 Franklin Blvd, South side of facility near fence, oi/water separator (2 manholes approx. 1.2 engulfment       3. Fraffic control       1.         Motor Pool Manholes       30 Franklin Blvd, South side of facility near fence, oi/water separator (2 manholes approx. 1.2 engulfment       1. Oxygen deficiency       1. Permit posted       1.         Museum of Natural and Calural and Young       Water control valve vault North       1.       0. Oxygen deficiency       1. Permit posted       1.         Network & Telecon       Less of facility near fence, oi/water separator (2 manholes approx. 1.2 engulfment       1.       Oxygen deficiency       1. Permit posted       1.         Museum of Natural and Young       Water control valve vault North       1.       0. oxygen deficiency       1. Permit posted       1.         Yaults/Manholes       Mil       0. oxygen deficiency       1. Permit posted       1.       2.         None-Electrical All Othr       All       0. oxygen deficiency       1. Permit posted       1.         Yaults/Manholes       All       0. oxygen deficiency       1. Permit posted       2.         Yaults/Manholes       All       0. oxygen deficiency       1. Permit posted       2. <t< td=""><td></td><td></td><td></td><td></td><td>7.</td></t<>					7.
Motor Pool Manholes       330 Franklin Blvd, car wash settling 1       0. Vogen deficiency       1. Permit posted       2.         Motor Pool Manholes       30 Franklin Blvd, South side of facility near fence, oi/Water preservice       2.       3.       Traffic control       3.         Motor Pool Manholes       30 Franklin Blvd, South side of facility near fence, oi/Water preservice       2.       Mospheric test       3.       Traffic control       3.         Motor Pool Manholes       3.0 Franklin Blvd, South side of facility near fence, oi/Water preservice       2.       Mospheric test       3.       Traffic control       3.         Mosem of Natural and pumps       3.0 Franklin Blvd, South side of facility near fence, oi/Water preservice       1.       Permit posted       4.       Mospheric test       4.         Museum of Natural and pumps       Water control valve vault North       1.       0.       Nogen deficiency       1.       Permit posted       1.       1.         Museum of Natural and pumps       Mater control valve vault North       1.       0.       Nogen deficiency       1.       Permit posted       1.       1.         Museum of Natural and pumps       Mater control valve vault North       1.       0.       Nogen deficiency       1.       Inwater present lockout sump pump prior toentry       1.         Yaults/Manholes					8.
tanks x4, NE corner of building       1.       Atmospheric test       2.         Atmospheric test       3.       Traffic control       4.         Motor Pool Manholes       330 Franklin Bivd, South side of facility near fence, oil/water separator (2 manholes approx. parator (2	Motor Pool Manholes	330 Franklin Blvd, car wash settling	g 1. Oxygen deficiency	1. Permit posted	1.
Motor Pool Manholes       30 Franklin Blvd, South side of facility near fence, oil/vater separator (2 manholes approx. 125' deep), East of natural gas purps       1.       Aggen deficiency       1.       Permit posted       1.         Museum of Natural am       Cathery part of 1 murpholes       2.       Suggen deficiency       1.       Fundificiency       1.         Museum of Natural am       Water control valve vault North       2.       Suggen deficiency       1.       Permit posted       1.         Cultural History       31 de long sidewalk - new addition       1.       0.       Oxygen deficiency       1.       Permit posted       1.         Network & Telecon       2.       Hood       2.       Atnospheric test       2.       1.         Natural Mistory       3.       1.       Oxygen deficiency       1.       Permit posted       1.         Yauts/Manholes       Mater control valve wault North       2.       Flood       2.       Atnospheric test       2.         Notework & Telecon       3.       Faffic ontrol       1.       Permit posted       1.       2.         Natural Mistory       1.       Oxygen deficiency       1.       Permit posted       1.       2.         Natural Mistory       2.       Sugganatir       2.       Sugganat a		tanks x4, NE corner of building		2. Atmospheric test	2.
Motor Pool Manholes       330 Franklin Bivd, South side of facility near fence, oil/water separator (2 manholes approx. 12.5' deep), East of natural gass pumps       1.       Oxygen deficiency       1.       Permit posted       2.       Atmospheric test       2.         Museum of Natural and Cultural History       Mater control valve vault North in 2.       1.       Oxygen deficiency       1.       Permit posted       1.       1.         Museum of Natural and Cultural History       Mater control valve vault North in 2.       1.       Oxygen deficiency       1.       Permit posted       1.         Museum of Natural and Cultural History       Mater control valve vault North in 2.       1.       Oxygen deficiency       1.       Permit posted       1.         Network & Telecom       Mater control valve vault North in 2.       1.       Oxygen deficiency       1.       Permit posted       1.         Network & Telecom       1.       Oxygen deficiency       1.       Permit posted       1.         Yaults/Manholes				3. Traffic control	3.
Motor Pool Manholes       All solution bide of acility near fence, oil/water separator (2 manholes approx, 1.2.5' deep), East of natural gas pumps       Suggen deficiency       Atmospheric test       Atmospheric test       Atmospheric test       Atmospheric test         Museum of Natural and       Water control valve vauit North       1       Oxygen deficiency       Permit posted       Atmospheric test         Museum of Natural and       Water control valve vauit North       1       Oxygen deficiency       Permit posted       Atmospheric test         Museum of Natural and       Museum of Natural and       Network & Telecom       Xectoric (sump pump)       Traffic/pedestrian control       Atmospheric test         Museum of Natural and       All       Oxygen deficiency       Permit posted       Atmospheric test       Atmospheric test         Vaults/Manholes       All       Oxygen deficiency       Permit posted       Atmospheric test       Atmospheric test         Non-Electrical All Other       All       Oxygen deficiency       Permit posted       Atmospheric test       Atmospheric test         Yaults/Manholes       All       Oxygen deficiency       Permit posted       Atmospheric test       Atmospheric test         Yaults/Manholes       All vaults that are over 3 feet in       1       Oxygen deficiency       Permit posted       Atmospheric test       Atmospheric t					4.
Motor Pool Manholes       30 Franklin Blvd, South side of       1.       Vogen deficiency       1.       Vogen deficiency       1.       Amospheric test       1.       Amospheric test       1.         Result of a control start					5.
Facility near fence, oil/water       2.       Engulfment       2.       Atmospheric test       2.       Atmospheric test       3.         12.5' deep), East of natural gas	<b>Motor Pool Manholes</b>	330 Franklin Blvd, South side of	1. Oxygen deficiency	1. Permit posted	1.
separator (2 manholes approx.       3.       Traffic control       3.       3.         L25' deep), East of natural gas pumps       4.       5.         Museum of Natural and Cultural History       Water control valve vault North side along sidewalk - new addition       1.       0.       0.       9.       1.       Permit posted       1.         Cultural History       Museum of Natural and Cultural History       Water control valve vault North side along sidewalk - new addition       1.       0.       0.       9.       1.       Permit posted       1.         Network & Telecom       All       1.       0.       0.       0.       9.       1.       1.       0.       1.       1.       1.		facility near fence, oil/water	2. Engulfment	2. Atmospheric test	2.
12.5 deep), cast of natural gas       4.         pumps       5.         0       5.         Museum of Natural and Cultural History       Water control valve vault North       1.       0. xygen deficiency       1.       Permit posted       1.         Cultural History       side along sidewalk - new addition       2.       Flood       2.       Atmospheric test       2.         Network & Telecom       All       0.       xygen deficiency       1.       Permit posted       1.         Vaults/Manholes       All       1.       0.xygen deficiency       1.       Permit posted       1.         Non-Electrical All Other       All       0.       xygen deficiency       1.       Permit posted       1.         Non-Electrical All Other       All vaults that are over 3 feet in       1.       0.xygen deficiency       1.       Permit posted       1.         Yaults       All vaults that are over 3 feet in       1.       0.xygen deficiency       1.       Permit posted       1.         Yaults       All vaults that are over 3 feet in       1.       0.xygen deficiency       1.       Permit posted       1.         Yaults       All vaults that are over 3 feet in       1.       0.xygen deficiency       1.       Permit posted		separator (2 manholes approx.		3. Traffic control	3.
Norman       Marca on the control valve vault North Cultural History       1.       Oxygen deficiency       1.       Permit posted       1.         Nuteur an an Cultural and Cultural History       Mate control valve vault North Side along sidewalk - new addition       1.       Oxygen deficiency       1.       Permit posted       2.         Network & Telecom       All       1.       Oxygen deficiency       1.       Permit posted       3.         Network & Telecom       All       1.       Oxygen deficiency       1.       Permit posted       4.         Network & Telecom       All       1.       Oxygen deficiency       1.       Permit posted       4.         Non-Electrical All Other       All vaults that are over 3 feet in depth       1.       Oxygen deficiency       1.       Permit posted       4.         Yaults       All vaults that are over 3 feet in depth       1.       Oxygen deficiency       1.       Permit posted       4.         Yaults       All vaults that are over 3 feet in depth       1.       Oxygen deficiency       1.       Permit posted       1.         Yaults       All vaults that are over 3 feet in depth       1.       Oxygen deficiency       1.       Permit posted       2.         Yaults       All vaults that are over 3 feet in depth       2. </td <td></td> <td>12.5 deep), East of natural gas</td> <td></td> <td></td> <td>4.</td>		12.5 deep), East of natural gas			4.
Museum of Natural and Cultural History       Water control valve vault North side along sidewalk - new addition       1.       Oxygen deficiency       1.       Permit posted       2.         Network & Telecom Vaults/Manholes       All       Oxygen deficiency       1.       Permit posted       3.       1.         Network & Telecom Vaults/Manholes       All       Oxygen deficiency       1.       Permit posted       1.         Norte Electrical All Other       All vaults that are over 3 feet in Vaults       1.       Oxygen deficiency       1.       Permit posted       3.         Norte Electrical All Other       All vaults that are over 3 feet in Vaults       1.       Oxygen deficiency       1.       Permit posted       3.         Norte Electrical All Other       All vaults that are over 3 feet in Vaults       1.       Oxygen deficiency       1.       Permit posted       1.         Norte Electrical All Other       All vaults that are over 3 feet in Vaults       1.       Oxygen deficiency       1.       Permit posted       1.         Norte Electrical All Other       All vaults that are over 3 feet in Vaults       1.       Oxygen deficiency       1.       Permit posted       1.         Norte Electrical All Other       All vaults that are over 3 feet in Vaults       1.       Oxici gasses/vapors       3.       Traffic control<		pumps			5.
Image: Auge: Auge					6.
Museum of Natural and Cultural History       Water control valve vault Norm       1.       Oxgen deficiency       1.       Permit posted       Atmospheric test       2.         Cultural History       Side along sidewalk - new addition       2.       Flood       2.       Atmospheric test       3.       7.         Network & Telecom       All       Oxgen deficiency       1.       Oxgen deficiency       1.       Permit posted       1.         Yaults/Manholes       All       Oxgen deficiency       1.       Oxgen deficiency       1.       Permit posted       1.       1.         Notore Electrical All Other       All vaults that are over 3 feet in       1.       Oxgen deficiency       1.       Permit posted       1.       Permit posted       1.         Non-Electrical All Other       All vaults that are over 3 feet in       1.       Oxgen deficiency       1.       Permit posted       1.       1.         Yaults/       All vaults that are over 3 feet in       1.       Oxgen deficiency       1.       Permit posted       1.       1.         Yaults/       All vaults that are over 3 feet in       1.       Oxgen deficiency       1.       Permit posted       2.       1.         Yaults/       All vaults that are over 3 feet in       1.       Oxic gasses/va					7.
Cultural History       side along sidewalk - new addition       2.       Flood       2.       Atmospheric test       2.         Network & Telecom       All       1.       Oxygen deficiency       1.       Permit posted       1.         Vaults/Manholes       All       1.       Oxygen deficiency       2.       Atmospheric test       2.         Nore-Electrical All Other       All vaults that are over 3 feet in       1.       Oxygen deficiency       1.       Permit posted       4.         Yaults       All vaults that are over 3 feet in       1.       Oxygen deficiency       1.       Permit posted       5.         Vaults       All vaults that are over 3 feet in       1.       Oxygen deficiency       1.       Permit posted       1.         Vaults       All vaults that are over 3 feet in       1.       Oxygen deficiency       1.       Permit posted       1.         Vaults       All vaults that are over 3 feet in       1.       Oxygen deficiency       1.       Permit posted       2.       Atmospheric test       2.         Vaults       All vaults that are over 3 feet in       1.       Oxygen deficiency       3.       Toxic gasses/vapors       3.       Tarffic control       3.         Vaults       All posted       2.	Museum of Natural and	Water control valve vault North	1. Oxygen deficiency	1. Permit posted	1.
Autors and a state of the	Cultural History	side along sidewalk - new addition	2. Flood	2. Atmospheric test	2.
All       1.       Oxygen deficiency       1.       Permit posted       1.         Yaults/Manholes       All       2.       Stagnant air       2.       Atmospheric test       2.         Stagnant dir       3.       Electrical (if sump pumps)       3.       Ventilation/purge – if organic solvents used, open flame torches or if       3.         Non-Electrical All Other       All vaults that are over 3 feet im       1.       Oxygen deficiency       1.       Permit posted       1.         Vaults/Manholes       All vaults that are over 3 feet im       1.       Oxygen deficiency       1.       Permit posted       1.       Permit posted       1.         Non-Electrical All Other       All vaults that are over 3 feet im       1.       Oxygen deficiency       1.       Permit posted       1.       1.         Vaults       All vaults that are over 3 feet im       1.       Oxygen deficiency       1.       Permit posted       1.       1.         Vaults       All vaults that are over 3 feet im       1.       Oxygen deficiency       1.       Permit posted       1.       1.         Vaults       All posted       1.       Dragenses/vapors       3.       Traffic control       3.       3.         Vaults       Fermable gasses/vapors       5. <td></td> <td></td> <td>3. Electrical (sump pump)</td> <td>3. Traffic/pedestrian control</td> <td>3.</td>			3. Electrical (sump pump)	3. Traffic/pedestrian control	3.
Network & Telecom       All       1.       Oxygen deficiency       1.       Permit posted       1.         Vaults/Manholes       2.       Stagnant air       2.       Atmospheric test       2.         3.       Ventilation/purge - if organic solvents used, open flame torches or if manhole/vault is located near vehicle traffic or vault/manhole is unvented.       4.         Non-Electrical All Other       All vaults that are over 3 feet in       1.       Oxygen deficiency       1.       Permit posted       1.         Vaults       All vaults that are over 3 feet in       1.       Oxygen deficiency       1.       Permit posted       1.         Vaults       All vaults that are over 3 feet in       1.       Oxygen deficiency       1.       Permit posted       1.         Vaults       All vaults that are over 3 feet in       1.       Oxygen deficiency       1.       Permit posted       1.         Vaults       All post       2.       Engulfment       2.       Engulfment       2.       Atmospheric test       2.         S       Toxic gasses/vapors       3.       Traffic control       3.       3.         Kautts       Flammable gasses/vapors       4.       Pedestrian control       4.         Kautts       Kautts       Kautts       Kautts </td <td></td> <td></td> <td></td> <td>4. If water present lockout sump pump prior to entry</td> <td>4.</td>				4. If water present lockout sump pump prior to entry	4.
Vaults/Manholes       2. Stagnant air       2. Atmospheric test       2.         3. Ventilation/purge - if organic solvents used, open flame torches or if       3.         Mon-Electrical All Other       All vaults that are over 3 feet in       1.         Vaults       1.       Oxygen deficiency       1.         Vaults       2.       Engulfment       2.         Vaults       4.       Flammable gasses/vapors       3.         Vaults       4.       Flammable gasses/vapors       4.         4.       Flammable gasses/vapors       4.         5.       Steam       5.         6.       Heat       5.	Network & Telecom	All	1. Oxygen deficiency	1. Permit posted	1.
Non-Electrical All Other       All vaults that are over 3 feet in depth       1.       0xygen deficiency       1.       Permit posted       1.         Vaults       All vaults that are over 3 feet in depth       1.       0xygen deficiency       1.       Permit posted       1.         Vaults       4.       Flammable gasses/vapors       3.       Traffic control       3.         Vaults       5.       Steam       5.       Lockout/tagout where applicable       4.	Vaults/Manholes		2. Stagnant air	2. Atmospheric test	2.
Non-Electrical All Other       All vaults that are over 3 feet in depth       1.       Oxygen deficiency       1.       Permit posted       1.       Permit posted       1.         Vaults       2.       Engulfment       2.       Engulfment       3.       Toxic gasses/vapors       3.       Traffic control       3.         4.       Flammable gasses/vapors       4.       Pedestrian control       4.       Pedestrian control       4.         5.       Steam       5.       Lockout/tagout where applicable       4.			3. Electrical (if sump pumps)	3. Ventilation/purge – if organic solvents used, open flame torches or if	3.
Non-Electrical All Other       All vaults that are over 3 feet in depth       1. Oxygen deficiency       1. Permit posted       1. Permit posted       1.         Vaults       4. Flammable gasses/vapors       3. Traffic control       3.       3.         4. Flammable gasses/vapors       4. Pedestrian control       4. Pedestrian control       4.         5. Steam       5. Lockout/tagout where applicable       5.				manhole/vault is located near vehicle traffic or vault/manhole is unvented	. 4.
Non-Electrical All Other VaultsAll vaults that are over 3 feet in depth1.Oxygen deficiency1.Permit posted1.1.1.Vaultsdepth2.Engulfment2.Atmospheric test2.2.3.Toxic gasses/vapors3.Traffic control3.3.4.Flammable gasses/vapors4.Pedestrian control4.5.Steam5.Lockout/tagout where applicable4.				to entry.	5.
Vaultsdepth2. Engulfment2. Atmospheric test2.3. Toxic gasses/vapors3. Traffic control3.4. Flammable gasses/vapors4. Pedestrian control4.5. Steam5. Lockout/tagout where applicable4.6. Heat6. Heat6.	Non-Electrical All Other	All vaults that are over 3 feet in	1. Oxygen deficiency	1. Permit posted	1.
3. Toxic gasses/vapors3. Traffic control3.4. Flammable gasses/vapors4. Pedestrian control4.5. Steam5. Lockout/tagout where applicable6. Heat	Vaults	depth	2. Engulfment	2. Atmospheric test	2.
4. Flammable gasses/vapors4. Pedestrian control4.5. Steam5. Lockout/tagout where applicable6. Heat			3. Toxic gasses/vapors	3. Traffic control	3.
5. Steam 5. Lockout/tagout where applicable 6. Heat			4. Flammable gasses/vapors	4. Pedestrian control	4.
6. Heat			5. Steam	5. Lockout/tagout where applicable	
			6. Heat		

lipment Required	Comments
Ionitor	1. Permit required
compatible communication equipment-radio	2. Attendant required
lard hat	
Barricades/cones	
Ventilation equipment	
Jarness	
ifeline	
letrieval equinment	
Ionitor	1 Permit required
lard hat	2 Attendant required
compatible communication equipment-radio	
Barricades/cones	
etrieval equipment	
Jarness	
onitor	1. Permit required
mpatible communication equipment	2. Attendant Required
rd Hat	
idder	
Aonitor	1 Permit required
compatible communication equipment-radio	2. Attendant required
lard hat	
Parricades/cones	
Initiation equipment	
Jarnees	
ifalina	
Petrieval equinment	
Aonitor	1. Permit required
compatible communication equipment-radio	2. Attendant required
lard hat	3. If only numning sludge from
Barricade/cones	the top – no permit is required.
entilation equipment	• • -
Aonitor	1 Permit required
Petrieval equinment	2 Attendant required
Jarness	2. Attenuant required
ifeline for fall protection	
compatible communication equipment-radio	
Jord hat	
Idiu Ilai	
Agnitar	1 Dermit required
compatible communication equipment	<ol> <li>rerinit required</li> <li>Attendant required</li> </ol>
Jord bat if working below sump	2. Allehuant i eyun cu
lat a nat in working below sump	
Agnitar	1 Dormit required
compatible communication equipment-radio	2 Attendant required
Jard hat	2. Attenuant required
Parricades / cones	
Ventilation equinment	
entilation equipment	
Aonitor	1. Permit required
compatible communication equipment-radio	2. Attendant required
lard hat	2. Attonumer eq
Parricades/cones	

Building	Space Location	Nature of Hazards	Safety Precautions	Equipment Required	Comments
Onyx Bridge	Excavated area (air plenum)	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
	through hatch across from Science		2. Atmospheric test	2. Compatible communication equipment-radio	2. Attendant required
	Library through door to Men's				
	restroom in Room# B72A (janitor's				
Oregon Institute of	Seawater tanks	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
Marme Biology			2. Atmospheric test	2. Hard hat	2. Attendant required
Pine Mountain	Pump house	1 Ovvgen deficiency	1 Permit nosted	1 Monitor	1 Permit required
i me riountum	i unip nouse	2 Flectrical	2 Atmospheric test	2 Compatible communication equipment-radio or cell	2 Attendant required
			2. Lockout numn if annlicable		2. Attenuant required
Ding Mountain	Water cistorn	1 Ovygon deficiency	1 Permit posted	1 Monitor	1 Permit required
r me mountain	Water cisterii	1. Oxygen dentiency	2 Atmospheric test	2 Hard hat	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Pine Mountain	Water hauling tank	1 Oxygen deficiency	1 Permit nosted	1 Monitor	1. Permit required
i me riountum		1. Oxygen denetency	2. Atmospheric test	2. Hard hat	2. Attendant required
Prince Lucien Campbell	Storm sewer pump station manhole	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
Hall (PLC)	– Northwest corner of building in	2. Electrical shock	2. Atmospheric test	2. Retrieval Equipment	2. Attendant required
	grass	3. Engulfment	3. Pump out prior to entry	3. Harness	-
		4. Fall from ladder	4. Lockout/tagout sump pump	4. Lifeline	
			5. Pedestrian control	5. Communication equipment-radio	
			6. Barricades	6. Hard hat	
<b>Psychology Department</b>	Backflow preventer vault, 1715	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
(Old ORI Building)	Franklin Blvd, SE end of building by	2. Exhaust from street traffic	2. Atmospheric test	2. Compatible communication equipment-radio	2. Attendant required
	sidewalk		3. If water present – pump out prior to entering	3. Ladder	
<b>Riley Residence Hall</b>	Pipe chases throughout building	1. Oxygen deficiency/ carbon monoxide	1. Permit posted	1. Monitor	1. Permit required
		2. Electrical shock	2. Atmospheric test	2. Long sleeve shirt	2. Attendant required
		3. Sewer leak/N	3. Pedestrian control	3. Long pants	
		4. Heat	4. Lockout steam valves and/or electrical if applicable	4. Safety glasses	
		5. Entrapment	5. Open all doors-ventilate prior	5. Head light and/or flash light	
		6. Trip hazards	to entry	6. Safety cones or tape	
Consistence Connected Life	A T T		1 Denne itere etc. i	7. Compatible communication equipment-radio	1 Demoit as proined
Sanitary Sewage Lift	ALL	1. Oxygen denciency	1. Permit posted	1. Monitor	1. Permit required
Stations		2. Sewer gas	2. Ventilate	2. Hard hat	2. Attendant required
		5. Electrical Shock	4 Traffic control	4 Barricades/cones	sewage decontaminate—
		4. Engulfment	5. Pedestrian control	5. Retrieval equipment	wash and flush down space and
			6. Lockout/tagout where applicable	6. Harness	pump
					out prior to entry
Spencer View	Water main supply vault East of	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
	Commons building next to	2. Electrical equipment (sump pump)	2. Atmospheric test	2. Compatible communication equipment-radio/cell	2. Attendant required
			3. Lockout/tagout	3. Hard hat	
			4. Pedestrian control	4. Barricades/cones	
Straiginger Hall	Chemical exhaust building roof	1 Ovugon deficiency	1 Permit posted	1 Monitor	1 Permit required
Streisinger Han	Chemical exhaust, bunuing 1001	2 Toxic gases /vapors	2 Atmospheric test	2 Compatible communication equipment-radio	<ol> <li>refinit required</li> <li>Attendant required</li> </ol>
		3. Material harmful to skin	3. Open all doors	3. Eve protection	2. Attenuant regun eu
				4. Protective clothing	
Student Recreation	Cistern-stormwater catchment system	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
Center		2. Toxic gases/vapors	2. Atmospheric test	2. Retrieval equipment	2. Attendant required
		3. Stagnant air	3. Barricades	3. Harness	
		~	4. Pedestrian control	4. Lifeline	
			5. Lockout water supply and sump pump prior to entry	5. Communication equipment-radio	
				6. Hard hat	

Building	Space Location	Nature of Hazards	Safety Precautions	Equipment Required	Comments
Student Recreation	Domestic water double check valve	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
Center	manhole – Northeast corner of	2. Electrical shock	2. Atmospheric test	2. Retrieval equipment	2. Attendant required
	building	3. Engulfment	3. Pump out water prior to entry	3. Harness	
		4. Fall from ladder	4. Lockout/tagout sump pump	4. Lifeline	
			5. Pedestrian control	5. Communication equipment-radio	
Student Deenestion	Foundair nume would at front	1 Ouwann definion au	6. Barricades	6. Hard hat	1 Downit acquired
Center	entrance	Oxygen denciency     Electrical shock	1. Perinit posteu 2. Atmospheric tect	Monitor     Compatible communication equipment	1. Permit required
		3 Engulfment	3 Lockout if applicable		2. Attenuant required
Student Recreation	Recirculation pump manhole for	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
Center	fountain at front entrance – North	2. Electrical shock	2. Atmospheric test	2. Retrieval equipment	2. Attendant required
	side of building	3. Engulfment	3. Lockout/tagout water supply and sump pump	3. Harness	-
		4. Fall from ladder	4. Pedestrian control	4. Lifeline	
			5. Barricades	5. Communication equipment-radio	
				6. Hard hat	
Student Recreation	Recirculation pump pit (hair	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
Center/Leighton Pool	strainer) – basement	2. Toxic gases/vapors	2. Atmospheric test	2. Compatible communication equipment-radio	2. Attendant required
		3. Material harmful to skin	3. Lockout/tagout pump	3. Hard hat	
				4. Appropriate PPE for skin and eye protection (rubber	
				gloves and goggles)	
Student Recreation	Surge overflow vault – basement	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
Center/Leighton Pool			2. Atmospheric test	2. Compatible communication equipment-radio	2. Attendant required
Student Decreation	Surge tank (water balance	1 Ovugan deficiency	1 Dermit postod	1 Monitor	1 Pormit required
Center/Leighton Pool	basement	2 Toxic gases/vapors	2 Atmospheric test	2 Compatible communication equipment-radio	2. Attendant required
, 0		3. Material harmful to the skin		3. Hard hat	2. Attendunt required
				4. Appropriate PPE for skin and eye protection (rubber	
				gloves and goggles)	
Susan Campbell Hall	Old E-Vault (now low voltage lines	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
	only) South side lawn		2. Atmospheric test	2. Compatible communication-radio or cell phone	2. Attendant required
				3. Ladder	
Susan Campbell Hall	Storm sewer pump station manhole	1. Oxygen deficiency	1. Permit posted	1. Monitor	1. Permit required
	<ul> <li>Northeast corner of building</li> </ul>	2. Electrical shock	2. Atmospheric test	2. Retrieval equipment	2. Attendant required
		3. Engulfment	3. Pump out prior to entry	3. Harness	
		4. Fall from ladder	4. Lockout/tagout sump pump	4. Lifeline	
			5. Pedestrian control	5. Communication equipment-radio	
Susan Campbell Hall	Sump nump yoult at NE corpor of	1 Ovugan deficiency	6. Barricades	<ol> <li>Hard flat</li> <li>Compatible communication equipment-radio or cell</li> </ol>	1 Dormit required
Susan Campben nan	building	1. Oxygen denciency	1. Fernint posted	phone	1. Fermit required
	~	2. Electrical shock	2. Atmospheric test	2. Lockout/tagout if applicable	2. Attendant required
		3. Engulfment		3. Monitor	
Tunnels (where work	ALL	1. Fire/heat	1. Permit posted	1. Monitor	1. Permit required
requires permit)	NOTE: if work could create any potential atmospheric hazards, creates potential for entrapment or creates a safety or health hazard (e.g. welding, cutting and brazing, chemicals) and these hazards cannot be mitigated by fans and/or ventilation equipment, then permit is required	2. Asbestos	2. Atmospheric test	2. Hard hat	2. Attendant required
		3. Electrical shock	3. 2 person tunnel rule plus attendant outside	3. Compatible communication equipment-radio	
		4. Flooding	4. Comply with safety signs on all electrical cables and equipment	4. Flash light	
		E Steam	E Het work permit required when welding	E Fan as other ventilation aquinment	
			6. Contineers have been been been been been been been be	6. An or other ventration equipment	
		6. Natural gas	6. Cutting or brazing	6. Appropriate respirator if required	
		7. Tight spaces			
		8. Compressed air			
		9. Sanitation			

Building	Space Location	Nature of Hazards	Safety Precautions	Equipment Required	Comments
Tunnels	<b>Note:</b> In most situations when working and travelling in the tunnels – <b>follow the tunnel entry</b> <b>requirements</b> . While the tunnel is specifically	<ol> <li>Heat</li> <li>Asbestos</li> <li>Electrical Shock</li> <li>Flooding</li> <li>Natural gas</li> <li>Sanitation issues</li> <li>Compressed air</li> <li>Steam lines</li> </ol>	<ol> <li>2 Person tunnel rule</li> <li>Comply with safety signs on all electrical cables and equipment</li> <li>Hot work permit if welding, cutting or brazing</li> <li>If confined space permit is required, air monitoring and an attendant/rescuer are required.</li> </ol>	<ol> <li>Hard hat</li> <li>Flashlight</li> <li>Compatible communication equipment</li> <li>Long pants</li> <li>Long-sleeve shirt</li> <li>Shoes appropriate for work to be performed (no opentoe shoes)</li> <li>Air monitor (if permit is required)</li> </ol>	1. Log in/out with Power Plant control room
University Health Services	Backflow preventer vault East side by sidewalk	<ol> <li>Oxygen deficiency</li> <li>Electrical (sump pump)</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>If water present lockout sump pump prior to entry</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment-radio</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> <li>Hard hat if entering beyond sump pump</li> </ol>
Vaults All Other <4 Feet	ALL	1. If no hazard exists	1. NONE- no permit required		If hazards exist then follow Backflow Preventer Vaults- Permit Required
Villard-Miller Theater	Backflow preventer vault, South side of building by bike racks (approx. 6' deep)	1. Oxygen deficiency	<ol> <li>Permit posted</li> <li>Ventilate</li> <li>Atmospheric test</li> <li>If water present pump out prior to entering</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment-radio</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Walton Complex	Pipe runs in Smith and Clark adjacent to laundry area	1. Oxygen deficiency	<ol> <li>Permit posted</li> <li>Atmospheric test</li> </ol>	<ol> <li>Monitor</li> <li>Hard hat</li> <li>Compatible communication equipment-radio</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
West Side of New Residence Halls, East of	Alley inbetween LLC and New Residence Halls	1. Electrical shock (sump pump) 2. Oxygen deficiency	1. Permit posted, 2. Atmospheric test, if water present - pump out prior to entering	1. Monitor 2. Compatible communication equipment - radio	1. Permit required 2. Attendent required.
LLC			3. Pedestrian control	3. Hard hat	3. High voltage cables in vault.
			4. Lockout/tagout (sump pump)	4. Barricades/cones.	<ul><li>4. Two confined spaces next to each other.</li><li>5. If using both confined spaces at the same time, need 4th person as attendant.</li></ul>
Willamette Hall	Atrium, smoke fan duct works x2 South side of building on either side of door	<ol> <li>Oxygen deficiency</li> <li>Toxic gases/vapors</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>Pedestrian control</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment-radio</li> <li>Hard hat</li> <li>Barricades/cones</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Willamette Hall	Chemical exhaust x2, building East and West side roof	<ol> <li>Oxygen deficiency</li> <li>Toxic gases/vapors</li> <li>Material harmful to the skin</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>Open all doors for ventilation</li> </ol>	<ol> <li>Monitor</li> <li>Compatible communication equipment-radio</li> <li>Eye protection</li> <li>Protective clothing</li> <li>SCBA</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Willamette Hall	Room 40 cryogenic wind tunnel vault (Donnelly lab)	<ol> <li>Oxygen deficiency</li> <li>Toxic gases/vapors</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> <li>Open hatch and air out</li> </ol>	<ol> <li>Monitor</li> <li>Flashlight</li> <li>Compatible communication equipment-radio</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>
Zebrafish International Research Center-ZIRC	Room 120- Mechanical vault	<ol> <li>Oxygen deficiency</li> <li>Steam</li> <li>Heat</li> </ol>	<ol> <li>Permit posted</li> <li>Atmospheric test</li> </ol>	<ol> <li>Monitor</li> <li>Tripod Emergency Escape Unit</li> <li>Escape harness/lifeline</li> </ol>	<ol> <li>Permit required</li> <li>Attendant required</li> </ol>