## SAFETY & FIRE INSPECTION CHECKLIST

See S20.50

	WASHINGTON STATE UNIVERSITY			
	PULLMAN, WA 99164			
П	12. ELECTRICAL LOCK-OUTS			
	Each power source (electrical panel) for lights, outlets motors must be capable			
П	of being locked in the off position. (WAC 296-24-975)  13. PERSONAL PROTECTIVE EQUIPMENT			
ш	General requirements (WAC 296-24-07501); Eye and face protection (WAC			
	296-24-078); Occupational head protection (WAC 296-24-084); Occupational			
	foot protection (WAC 296-24-088); Personal flotation devices (WAC 296-24-086); Occupational noise exposure (WAC 296-62-09015); Respiratory			
	protection (WAC 296-62-071).			
	14. MACHINE GUARDING			
	Any machine part, function, or process which may cause injury must be safeguarded. The operator must be effectively shielded from:			
	a. Nip points			
	b. Rotating parts			
	<ul><li>c. Flying chips and sparks</li><li>d. Point of operations</li></ul>			
_	(WAC 296-24-15001-20533)			
	15. ABRASIVE WHEEL MACHINERY Both portable and stationary abrasive wheel machinery (grinders) shall be			
	guarded. (WAC 296-24-180)			
	16. HAND TOOLS			
	All hand tools must be kept in good serviceable condition at all times. No broken handles or mushroomed heads on driving, cutting tools. (WAC 296-155-			
	355)			
	17. CABLE/ROPE			
	Regular inspections shall be conducted to check for wear, defects, and overloading. (WAC 296-155-570)			
П	18. WELDING			
	a. Welding areas must be screened to protect nearby workers and bystanders			
	from the glare of welding, while providing no serious restriction of ventilation. (WAC 296-24-71501)			
	b. Gas welding units shall have back-flow check valves installed in line			
	between torch and gauges. (WAC 296-24-68205)			
	<ul> <li>Adequate ventilation shall be provided. Ventilation required will be dependent on the material being welded, and available space per welder.</li> </ul>			
	(WAC 296-24-715) (SPPM S20.30.2)			
	19. COMPRESSED GAS CYLINDERS			
	Safe use and handling of gas cylinders requires a cylinder truck; chain or other securing device to prevent cylinders from being knocked over. (WAC 296-24-			
	68203) Cylinders shall not be allowed to be used or stored in exitways.			
	20. PRESSURE VESSELS  Current sofaty contification of pressure vessels must be posted on or pear the			
	Current safety certification of pressure vessels must be posted on or near the vessel. (WAC 296-155-030) Power boilers shall be inspected annually. Low			
	pressure heating boilers and unfired pressure vessels shall be inspected			
	biennially. (WAC 296-104-100) 21. PORTABLE LADDERS			
	Must be in good repair, designed for specific use and have nonslip bases. (WAC			
_	296-24-780-79507)			
Ш	22. FIXED LADDERS  Must be in good repair, properly designed to meet load requirements, have			
	proper clearance, rung size, and foot clearance, be caged or cabled if over 20'			
	high. (WAC 296-24-810-81013)			
	23. STAIRWAY RAILINGS AND GUARDS Every flight of stairs having four or more risers are to be railed with a standard			
	hand rail or rails. (WAC 296-24-75009-76555)			
	24. FLOORS, PLATFORMS, RAMPS			
	Any opening large enough for a person to fall through that is over 48" above the ground must be guarded by a standard railing. (WAC 296-24-75001-75011)			
	25. SIGNING OF HAZARDOUS AND DANGEROUS AREAS/			
	EQUIPMENT All hazardous and dangerous areas/equipment shall be posted or tagged to			
	forewarn all persons entering the area, using standardized color coded signs.			
	Such signs shall be used only where there actually exists such a condition as			
FIDE	indicated by the sign. (WAC 296-24-14009)			
	26. ROOM NUMBERING			
_	All compartmented rooms shall be visibly numbered at entrance according to			
	current building plans. (UFC Art. 2)  27. OCCUPANT LOADS			
ш	All places of assembly, i.e., classrooms, auditoriums, ballrooms, theaters, etc.			

having an occupant load of more than 50 and where fixed seats are not installed,

shall have the capacity posted conspicuously near the main entrance(s) to the

Means of egress shall be continuously maintained free of all obstructions or

impediments to full design. (UFC Art. 12, WAC 296-24-56521)

room. (UFC Art. 25; UBC Chap. 33)

28. EXITS, HALLS, AISLES

# **GENERAL SAFETY**

### 1. SAFETY COMMITTEE All unit employees shall be represented on a safety committee. At least half of the committee membership must be elected by their peers. Meetings shall be held at least bimonthly and files of meeting minutes must be maintained by the department and submitted to the Campus Safety Office. (WAC 296-24-045) (SPPM S20.20) WRITTEN ACCIDENT PREVENTION PROGRAM Each unit must provide a written accident prevention program. The required program elements include: (1) safety orientation, (2) reporting injuries, (3) reporting unsafe conditions and practices, (4) use and care of personal

protective equipment, (5) actions to take in emergencies, (6) identification of hazardous materials and operations and actions to take in the event of exposure,

(7) on the job review of safety conditions and practices. The written document and periodic updatings shall be submitted to the Campus Safety Office. Documentation that all appropriate unit personnel have received the required

orientation and training must be retained in the unit's personnel file. (WAC 296-24-040) (SPPM S20.30.1)

#### SAFETY BULLETIN BOARD

A safety bulletin board must be maintained in every department. (WAC 296-24-055) (SPPM S20.30.3)

#### WISHA POSTERS

Availability of the act and applicable standards for WISHA require that we post one each of a set of two posters in a conspicuous place in each work area, i.e., where notices to employees are customarily posted. (WAC 296-350-400) (SPPM S20.30)

#### SAFETY TRAINING

All personnel involved with the following work conditions and equipment must receive specific training. Training must be documented.

- Crane operation (WAC 296-24-23529) (SPPM S20.30)
- Explosives (WAC 296-52-401) (SPPM S20.30)
- Fire extinguisher operation (all employees) (WAC 296-24-59213) (SPPM C.
- Flagging and traffic control (WAC 296-155-305) (SPPM S20.30)
- Forklift and powered material handling equipment operation. (WAC 296e. 24-23025) (SPPM S20.30)
- Hazardous material handling (WAC 296-62-070) (SPPM S20.30)
- Lasers (WAC 296-155-155) (SPPM S20.30)
- Motor vehicle trucks (WAC 296-24-233) (SPPM S20.30)
- Multipiece rim wheels (WAC 296-24-21705) (SPPM S20.30) i.
- Operation and maintenance of power presses (WAC 296-24-19511, j. 19513) (SPPM S20.30)
- Powder-actuated tools (WAC 296-24-66113, 66319, 66321) (SPPM k S20.30)
- 1. Proper lifting and moving methods and techniques (all personnel). (WAC 296-126-096) (SPPM S20.30)
- Respiratory protective equipment (WAC 296-62-130-133) (SPPM S20.30)
- Use of ladders (WAC 296-24-780, 296-24-79507, 296-155-486) (SPPM n S20.30)
- Welding equipment (WAC 296-24-68201) (SPPM S20.30) O.
- Working in confined spaces (WAC 296-62-14110) (SPPM S20.30)

## FIRST AID TRAINING

At least one first-aid certified person shall be in each work area. (WAC 296-24-06120) (SPPM S20.30)

#### FIRST AID KITS

Work areas shall be provided with first-aid kits that are readily visible and accessible, mounted and easily dismounted, and complete with contents. All crew transport vehicles and heavy equipment shall be provided with kits. (WAC 296-24-06145) (SPPM S20.40)

## EMERGENCY PHONE NUMBERS

Emergency phone numbers shall be posted on all first aid kits and phones. (WAC 296-24-06120) (SPPM S01.01)

# EMERGENCY SHOWERS, EYEWASHES

Emergency washing facilities shall be in the immediate work area for persons who may be exposed to the hazards of contact chemical agents. (WAC 296-62-

## 10. SAFE WORKPLACE STANDARDS

Every reasonable effort shall be made to provide a workplace free from recognized hazards. These include but are not limited to: personal protective equipment, guarding, signing, and written job procedures. (WAC 296-24-073)

## 11. ELECTRICAL PANELS

- Each panel shall be free of obstruction from view and shall have at least 30 inches of access clearance. (NFC Art. 85)
- Each panel cover shall be labeled ELECTRICAL PANEL or MAIN. Each breaker or fuse shall be legibly identified as to function. (NEC Art. 110 & 240)

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	29.	EXIT SIGNS		. FLEXIBLE GAS HOSE
	a.	Exits shall be marked by a readily visible illuminated "EXIT" sign. (UFC		e use of plastic tubing, such as Tygon, to convey flammable gas is prohibited
		Art. 12; WAC 296-24-56531)	Ap	proved flexible gas tubing shall be limited in use to portable appliances, e.g.,
	b.	Access to exits shall be marked by illuminated exit signs indicating exit	Bu	nsen burners, and shall not be more than six feet in length. (IENGC)
		direction where the exit is no immediately apparent. (UFC Art. 12; WAC	ENVIR	ONMENTAL SAFETY
		296-24-56531)	<b>40</b>	NOXIOUS ODORS, FUMES
	c.	Any door or passageway which is not an exit or exitway, but may be		xic atmospheres (WAC 296-62-14105); Procedures for entry into toxic or
		mistaken for such, shall be identified by a sign reading "NOT AN EXIT."		mmable atmosphere (WAC 296-62-14110); Removal of flammable or toxic
		(WAC 296-24-56531)		sterial (WAC 296-62-14061); Evaluation of potentially hazardous atmo-
	30.	FIRE DOORS		The state of the s
Ш				nere. Furnes present in concentrations high enough to be of concern to
		lf-closing door shall fully close and shall not at any time be secured in the		pector. (Solvent odors, acid fumes, etc., complaints of eye, skin or respiratory
		position. Doors designed with automatic fire alarm activated closure		tation.) (WAC 296-62-14110 and -14172)
		ces shall not at any time be obstructed from full closure. (UFC Art. 10,		. NOISE
	NFC	2 101)	Re	port continuous high pitched, irritating noise. (WAC 296-62-09015)
	31.	FIRE EXTINGUISHERS	<b>42</b>	LIGHTING SURFACE
	a.	Portable fire extinguishers shall be fully charged and operable, kept in	Ac	lequate light to prevent injury, accident, strain and/or stress. (WAC 296-62-
		their designated places, and shall not be obstructed from view or ready		003)
		access. (UFC Standard 10-1; WAC 296-24-59205)		TEMPERATURE (ROOM)
	b.	In cases where an extinguisher location may not be readily visible, signs		mperature, radiant heat, or temperature-humidity combinations. Extremely
	υ.			
	_	shall be posted to indicate extinguisher location. (UFC Standard 10-1)		t, cold, or humid working conditions producing harmful physiological
	c.	Portable welding machines and fork lifts shall have a fire extinguisher		ponse will require adequate controls. (WAC 296-62-09013)
		attached. (UFC Art. 2; WAC 296-24-69503)		PLUMBING LEAKS, DRAIN TRAPS
	32.	FIXED FIRE APPLIANCES	Ins	spection and Testing (UPC Sec. 318); Maintenance (UPC Sec. 319); Health
	a.	Fire alarm boxes and annunciator panels shall be unobstructed and readily	and	d Safety (1973) (UPC Sec. 321); Drain traps in floors, sinks, sink-cups in
		accessible at all times. (WAC 296-24-631-63109)	fuı	ne hoods, etc. kept primed. Training required.
	b.	Fire hose racks shall be unobstructed and readily accessible at all times.	<b>45</b>	. CHEMICAL USE, STORAGE
		Wet or unraveled hoses shall be reported for maintenance. (WAC 296-24-		emical Agents (WAC 296-62-070); Air Contaminants (WAC 296-62-075);
		60299)		incompatible storage (no solvents stored with oxidizers, no reducers stored
		At least 18 inches shall be maintained between sprinkler head deflectors		th oxidizers, potentially explosive or pyrophoric chemicals properly stored).
	c.			
		and the top of storage. (NFC 13 1-5.3; WAC 296-24-60705)		posure to toxic chemicals minimized through use of ventilation, personal
	d.	Fire department building connections for standpipe and sprinkler systems		otective equipment, and proper storage. Training required.
		shall be free of blockage and obstruction at all times (UFC Art. 10)	46	. CHEMICAL DATING AND LABELING
	33.	HOUSEKEEPING	Al	l oxidizers or peroxide forming materials shall be labeled and dated. Out-of-
	a.	All areas shall be kept clean, orderly, and in a sanitary and safe condition.	dat	te chemicals must be properly and immediately disposed. (UFC Art. 2.2.102)
		(UFC Art. 11; WAC 296-24-12003)		. HAZARDOUS AREA LABELING
	b.	All areas shall be kept free from accumulation of unnecessary materials		st of Carcinogens (WAC 296-62-07302, 07306); Vinyl chloride (WAC 296-
	0.	and waste. (UFC Art. 11; WAC 296-24-21505)		-07329); Acylonitrile (WAC 296-62-07336); 1,2-Dibromo-2-chloropropane
		All wall and ceiling coverings shall be properly repaired, restored, or		
	c.			AC 296-62-07342); Inorganic arsenic (WAC 296-62-07347); Lead (WAC
		replaced when damaged, breached, penetrated, or removed. (UFC Art.		6-62-07521); Asbestos (WAC 296-62-077); Radiation Carcinogens; 4-
		10)		trobiphenyl, Alpha-Naphtylamine, 4,4 Methylene bis, Methyl chlorohethyl
	34.	COMBUSTIBLE STORAGE	eth	er, 3,3°-Dichorobenzidine, Bis-Chloromethyl ether, Beta-Naphthylamine,
	a.	Storage of readily combustible materials shall be more than two feet from	Be	nzidine, 4-Adminodiphenyl, Ethyleneimine, Beta-Propiolactone, 2-
		the ceiling. (UFC Art. 11)	Ac	etylaminofluorene, 4-Dimethylaminoazobenzene, N-Nitrosodimethylamine
	b.	Each refrigerator, freezer, and cooler shall be prominently labeled to		AC 296-62-07302 and -09004)
		indicate whether it is or is not suitable for storing flammable liquids.		FOOD/BEVERAGE STORAGE — CONSUMPTION
		(NFC 9-2.2)	_	person shall be permitted to store or consume food or beverages in any
	_			
	c.	Containers of flammable liquids shall not exceed a capacity of one gallon		om containing toxic chemicals. (WAC 296-24-12017)
		except that safety cans can be of two gallons. The maximum in any work		. HAZARDOUS WASTE
		area is 10 gallons accumulative in non-code containers. (UFC Art. 79; For		e storage and disposal of hazardous wastes procedures must comply with the
		additional nformation on flammable and combustible liquid storage of	W	SU Safety Policies and Procedures Manual, S70.40.
		chemicals, see SPPM S60.20.5)	<u> </u>	FUME HOOD OPERATIONS
	d.	Incompatible storage of chemicals, e.g., oxidizers stored with solvents or		me hoods will draw air into the sash face opening. Sash height air velocity
		reducers, is not permitted. (UFC Art. 2)		licating tags/tape will be positioned on the side airfoil of the hood. Hood
	35.	PORTABLE SPACE HEATERS		hts and sash mechanism will be in operating condition. Fume hood exterior/
Ш		onal portable heaters are not permitted. (SPPM S50.10.3)	_	
_				erior will show no visible physical damage. Training is required. (WAC 296-
	36.	COFFEE POTS, HOT PLATES, AND COOKING APPLIANCES		-11001 through 296-62-11013) Ventilation. (WAC 296-62-110)
	a.	All electrical cooking appliances shall have a flat noncombustible surface,		FUME HOOD TAGS
		e.g., ceramic, placed under them. (UFC Art. 2)	Ea	ch fume hood will have both yellow and green tags posted. Hood air velocity
	b.	Personal cooking appliances except hot pots and coffee makers are	rea	dings, air balancer initials and inspection data will be listed and current.
		permitted only in designated break areas. (UFC Art. 2)	Ho	ood data/date will not be over one year old. Training required. Ventilation
	<i>37.</i>			ide (WAC 296-62-11003).
_		appliances and equipment operated by an electrical motor shall have a		FUME HOOD WORK SURFACE
		e-wire cord or be double insulated, shall have no live parts exposed to		e fume hood work surface area will not be covered totally by liquid/solid
		act, shall be kept free from accumulation of oil, dust, dirt and water. (NEC		ntainers. The lower baffle slot will not be blocked by either liquid/solid
				* *
		110 & 240; NFC Art. 85)	CO	ntainers or paper/foil. Training required. (WAC 296-62-11003)
Ш	38.	ELECTRICAL CORDS		ENGE GLUDE
	a.	Electrical cords shall be maintained in good condition without splices,		ENCE GUIDE
		deterioration, or damage. (NEC Art. 400)	IENGC	Inland Empire Natural Gas Code
	b.	Extension cords shall not be used as a substitute for fixed wiring. (Circuit	NEC	National Electrical Code
		breaker protected cords used on portable appliances are permitted.) (NEC	NFC	National Fire Code
		Art. 400)	SPPM	Safety Policies and Procedures Manual
	C	Electrical cords shall not be run through walls, ceilings, floors, doorways	UBC	Uniform Building Code
	c.	·		•
	1	or windows; nor shall they be compressed. (NEC Art. 400)	UFC	Uniform Fire Code
	d.	Extension cords shall be no less than 16 gauge and shall be three-wire/	WAC	Washington Administrative Code
		three-prong. (UFC Art. 2)		
	e.	Adapter cubes shall not be used. (UFC Art. 2)	WSU12	50-SAFSA007-0287

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