

Marina Area Safety Checklist

Building _____ Department _____ Room(s) _____ Contact Person _____

Inspection Performed by _____ Date: _____

				Y	N	N/A	References
Chemical Storage & Safety							
1	Chemical containers properly labeled or tagged.						29CFR1910.1200(f)(6) & 1910.1450(h)(1)(ii)
2	Chemicals segregated and stored by compatibility.						NFPA 45:8.2.4.2
3	Peroxide formers dated at purchase and again upon opening.						NFPA 45:13.4.2
4	Peroxide formers disposed of within proper time frames.						NFPA 45:13.4.2
5	Secondary containment used where appropriate.						40CFR261.175 & 40CFR264.175
6	Vacuum equipment trapped and/or filtered.						OSHA General Duty Clause, Section 5 (a)(1)
7	Chemical storage areas free of ignition sources.						29CFR1926.152(i)(2)(viii)(E)
8	Refrigerators/Freezers properly labeled.						NFPA 45
9	Refrigerators/Freezers properly rated if flammable liquids are stored within.						NFPA 45:11.3.2.1
10	Fume hoods and/or biosafety cabinets not used for general storage.						NFPA 45:8.2.4.7
11	Cryogenic materials stored properly and proper PPE available.						29CFR1910.138 (Hand Prot.)
12	Flammable liquids in containers over 4 L are in approved safety cans.						29CFR1910.106(d)(2)(i)
13	Corrosive storage cabinet used if more than 10 gal of corrosives present.						29CFR1910.106(d)(3)(i)
14	Chemicals purchased in amounts that can be used within a reasonable time.						NFPA 45:12.3.1.1
15	Chemical stocks purged of old, outdated, and unusable chemicals.						NFPA 45:13.4.2
16	Chemical inventory up to date.						40CFR704(Reporting & Record Keeping)
Compressed Air and Compressed Gases							
1	Air compressors equipped with pressure gauges and pressure relief valves.						29CFR1910.101(c)
2	Compressed hoses (piping, fittings, etc.) shall be removed from service if defective.						29CFR1926.350(f)(3)
3	Compressed air 30 psi or less for machine/parts cleaning.						29CFR1926.302(b)(4)
4	Compressed air cleaning nozzles with chip/particle deflection device.						29CFR1926.302(b)(4)
5	Gas cylinders w/30 lb. or more water capacity have valve protection capability.						29CFR1910.253(a)(4)(b)(iv)
6	Gas cylinders legibly marked as to their contents.						29CFR1910.253(a)(4)(b)(ii)
7	Gas cylinders stored away from high heat, flames, etc.						29CFR1910.253(b)(2)
8	Gas cylinders stored in secure area and secured from tipping or falling.						NFPA 45:10.1.5.1 & 29CFR1926.350(a)(7)
9	Gas cylinders transported on special carts/regulators removed/ and protected.						29CFR1926.350(a)(6)
10	When in use, gas cylinders kept away from elevators, stairs, and ramps.						29CFR1926.350(a)(11)
11	Valve protectors used when cylinders not in use or when being transported.						29CFR1926.350(a)(1)

		Y	N	N/A	References
12	Liquefied gas cylinders (acetylene) always shipped and stored valve-end up.				29CFR1926.350(b)(3)
13	Proper type of regulator used for type of gas cylinder in use.				29CFR1910.101(c)
14	Gas cylinders, valves, couplings, regulators kept free of oil and grease.				29CFR1926.350(i) & 29CFR1910.253(b)(5)
15	Gas cylinders lacking obvious defects, leaks, damage, etc.				29CFR1926.350(c)(3)
16	Gas cylinders hydrotested at appropriate intervals.				49CFR173.40(d)(2)
17	Empty gas cylinders labeled "Empty," valves closed, and caps on and stored.				29CFR1926.350(a)(8)
18	Oxygen and Acetylene in storage are separated by 5' noncombustible barrier.				29CFR1926.350(a)(10)
Manuals, Training, SOPs, SDSs, Occ. Health					
1	Appropriate safety manual(s) available				29CFR1910.1450(e)(2)
2	Standard Operating Procedures & Safety Data Sheets readily available				29CFR1910.1450(e)(3)(i) & 1910.1200(g)(11)
3	Workplace Hazard Assessment completed				29CFR1910.132(d)(1)
4	Applicable initial/refresher training completed				29CFR1910.1450(f)(1)
5	Personnel in occ. health program, if required				29CFR1910.1450(e)(3)(iii)
Safety Equipment and Emergency Preparedness					
1	Eyewash & safety shower shall be available				29CFR1910.151(c)
2	Eyewash & safety shower unobstructed and inspected as required				ANSI/ISEA Z358.1 - 2014 {7.5.5. & 4.6.5.}
3	Emergency contact information posted by entrance (and by phone if present)				29CFR1910.1450 App A.D. (Signs)
4	Appropriate spill control kit available and stocked				29CFR1910.151(b)
5	Spill & accident reporting procedures understood by lab personnel; emergency procedures posted and understood				29CFR1910.120
6	Appropriate first aid kit available and stocked				29CFR1910.151(b)
7	Employees know the location of chemical inventory, SDS and related materials				University Safety Policy & Procedures
8	Are employee familiar with physical & health hazards of chemicals in work area				University Safety Policy & Procedures
9	Employees able to describe how to detect the presence or release of hazardous materials				29CFR1910.1200
10	Employees know how to protect themselves and others from effects of hazardous materials				29CFR1910.1200
11	Are equipment safety signs posted and in good condition				29CFR1910.1200
12	Are all guards and shields in place and secured				29 CFR 1910.217; 29 CFR 1910.133 etc..
13	Are safe work practices (long hair tied back, no loose clothing, etc.) being adhered to by all equipment users				29CFR1910.1200; University Safety Policy & Procedures

Electrical Safety				
1	Extension cords are not used as permanent wiring.			NFPA 70
2	Extension cords and power strips not daisy-chained one to another.			29CFR1910.303(b)(2), 1926.403(b)(2)
3	Electrical cords not under carpets/rugs, through doorways, or high traffic areas.			NFPA 70
4	Multi-outlet power strips are UL listed and have circuit breakers.			UL1283
5	Power cords are in good condition with no splices or broken insulation.			29CFR1926.405(a)(2)(ii)(I)
6	Grounding prongs not removed from 3-way plugs.			29CFR1926.405
7	Outlet, switch and junction box covers are in place and in good repair.			NFPA 70E: 215.1
8	Circuit breaker panels and emergency shut offs unobstructed and labeled.			NFPA 70E: 205.8, 205.10 & 205.11
9	Electrical outlets not overloaded with appliances, i.e. splitters used.			29CFR1910.304(b)(4)
10	Ground Fault Interrupters installed, labeled and operating correctly.			29CFR1910.304(g)(6)(vi)(c)(5); NFPA70,210.8(A)&(B)
11	Energized parts, circuits, and equipment guarded against accidental contact.			NFPA 70E: 205.6
12	Are outdoor switches, circuit breakers, & panel boxes in weatherproof enclosures			29CFR1910.305
13	Are boats permanently connected when they're not supposed to be (non-moving vessels)			29CFR1910.305
14	Are permanent connected boats using a power cord			29CFR1910.305
15	Are permanent connected boats using a proper outlet			29CFR1910.305
16	Are any cords a trip hazards aboard a boat and/or dock area			29CFR1910.22(d)(2) & 1910.22(a)(2)
17	No unknown wiring coming from circuit breaker box			NFPA 70E
18	Preventive maintenance: is electrical work done by competent personnel (electricians, electronic technician, proof of documentation-statement of work etc)			29CFR1910.332
Portable Power Tools & Equipment				
1	All tools and equipment used in the workplace in good condition.			29CFR1910.242(a)
2	Tools and equipment stored in secure, dry location to prevent tampering.			
3	Tools, grinders, saws, etc. provided with appropriate safety guards.			29CFR1910.243(c)(1) & 1910.243(c)(3)
4	Circular saws with guard above and below the base shoe, and not wedged up.			29CFR1910.243(a)(1)(i)
5	Constant pressure switches on tools, which will shut off power when released.			29CFR1910.243(a)(2)(i)
6	All electrical tools/equipment grounded or of double insulated construction.			29CFR1910.243(a)(5)
7	Electrical cords and pneumatic/hydraulic hoses in good condition.			29CFR1926.416(e)(1) (cords) &1926.1412(f)(2)(x)
Fire Prevention and Protection				

		Y	N	N/A	References
1	Fire extinguishers properly mounted, located, and identified				29CFR1910.157(a)(1)
2	Fire extinguishers adequate in number and type				29CFR1910.157(a)(4)
3	Fire extinguishers inspected, recharged, and maintained as required				29CFR1910.157(a)(1)
4	Fire aisles, exit ways, stairways, and fire equipment kept unobstructed				29CFR1910.36(b)(1) & 36(b)(4)
5	Exit lights properly illuminated and emergency lighting operable				29CFR1910.36(b)(2)
6	Fire doors not blocked open or are on magnets connected to fire alarm system				NFPA 105: 5.5
7	Flammable liquids stored in approved safety cans.				29CFR1910.106(d)(2)(i)
8	Flammable liquid containers kept closed when not in use.				29CFR1910.106(e)(2)(ii)
9	Flammable liquids of 25 gallons or more stored in flammable storage cabinet.				29CFR1926.152(b)(2)
10	Flammable storage cabinets labeled "Flammable - Keep Fire Away."				29CFR1926.152(b)(2)(iii)
11	Connections on drums and combustible liquid piping leak free.				29CFR1910.106
12	Flammable liquid drums grounded and bonded to containers when dispensing				29CFR1926.152(k)(3)(iii) &29CFR1926.152(e)(2)
13	Proper storage of flammable/combustible materials to reduce risk of fire.				29CFR1910.106, 152; NFPA 30, 45
14	Fire extinguishers undergone annual maintenance inspection.				29CFR1910.157(e)(3)
15	No penetrations through walls or ceilings and all ceiling tiles are in place.				NFPA 70, Article 300-21; 29CFR1910.37(a)(4); NFPA 101
16	Sprinkler heads clean and no storage within 18 inches (24 inches non-sprinklered)				NFPA13: 8.6.6.1
17	Sprinkler heads protected by metal guards when exposed to physical damage.				NFPA13: 6.2.8
18	Are appropriate fire suppression systems/fire extinguishers install aboard boats/vessels				46CFR25.30
General & Miscellaneous Safety					
1	Hand washing sink, soap and towels available				29CFR1910.141(d)(2)(iii) & (iv)
2	Sink faucets with backflow device or attached hoses above sink rim				HHS Publication (CDC)300859 (06/2020)
3	Heavy objects stored at mid-body height, unless secured and stepladder provided.				OSHA 2236
4	Stepladder or stepstool available & in good condition for high storage access				29CFR1926.1053(a)(1)(i)
5	Appropriate signs posted (First aid kit, safety shower, fire extinguisher, etc.)				29CFR1910.145
6	Proper handling & disposal of broken glass & sharps				HHS Publication (CDC)300859 (06/2020)
7	Batteries charged in properly ventilated area away from sparks and flames				29CFR1926.441(a)(1)
8	Work practices observed during inspection done safety				University Safety Policy & Procedures
9	No food or beverages unless adequately separated from hazard areas				HHS Publication (CDC)300859

		Y	N	N/A	References
					(06/2020);29CFR1910.141(g)(2)
10	Benchtops impervious to water and resistant to chemicals				OSHA 3404
11	Restrooms cleaned and in serviceable contains				29 CFR 1910.141, 29 CFR 1926.51 & 29 CFR 1928.110
12	Are moving parts of equipment guarded to prevent pinch hazards				29CFR1910.212
General Work Environment & Indoor Air Quality					
1	All areas properly illuminated. Glare and reflections avoided.				29CFR1926.56
2	Noise levels are within acceptable limits or engineering controls established.				29CFR1910.95(c)
3	Areas with high noise levels posted and hearing protection required to be used.				29CFR1910.145
4	Work areas clean, sanitary, and orderly. (garbage disposed properly, etc.)				29CFR1910.141(a)(3)(ii)
5	Work area properly ventilated for type of equipment or chemicals in use.				29CFR1910 Subpart G
6	Vacuum systems used when possible instead of blowing or sweeping dusts.				NFPA 654,61,484,664 & 655
7	Temperature and humidity seem to be within acceptable ranges.				OSHA 3430-04 (2011)
8	Areas free of visible fungal/mold growth and associated odors.				OSHA 3304-04N (2006)
9	Walls ceilings, floors free of signs of mold or moisture damage.				OSHA 3304-04N (2006)
10	Air intake areas free of odor causing materials or hazardous chemicals.				OSHA Technical Manual, Section III: Ch. 2
Hazardous Waste, Materials Disposal, & Recycling					
1	Waste storage areas (bins, totes) designated				40CFR261
2	Waste containers properly labeled (chemical components, amounts, hazards etc.).				NFPA 45:13.4
3	Waste containers compatible with waste to be stored.				NFPA 45:9.1.1
4	Only compatible chemical wastes stored in the same container.				NFPA 45:8.2.4.2
5	Waste containers kept closed except when adding waste.				40CFR265.173(a)
6	Waste containers stored compatibly.				NFPA 45:8.2.4.2
7	Fluorescent, HID, Mercury vapor lamps proper waste management used.				40CFR273.13(d)
8	Used oil collected and recycled properly.				40CFR279.22 & 40CFR279.24
9	Non-alkaline batteries (lead acid, Ni-cad, silver, etc.) managed properly.				40CFR273.13(a)
10	Mercury containing devices (thermostats, barometers, etc.) managed properly.				40CFR273.13(c)
11	Electronic devices, (monitors, TVs, circuit boards, etc.) managed properly.				40CFR273.13(c)
12	Biohazardous materials & animal carcasses managed & disposed properly.				HHS Publication (CDC)300859 (06/2020)
13	Waste containers in good condition				29CFR1910.120

		Y	N	N/A	References
14	Waste containing liquid is stored within secondary containment				29CFR1910; 40 CFR 265.173
15	Satellite Accumulation Area storage capacity not to exceed 55-gallons				40CFR262
16	Satellite Accumulation Area located near the point of waste origin				40CFR262
Personal Protective Equipment (PPE)					
1	Appropriate eye/face protection is available and used if hazard present.				29CFR1910.133(a)(2)(i)
2	Appropriate hand protection is available and used if hazard present.				29CFR1910.138
3	Appropriate hearing and foot protection available and used if hazards present.				29CFR1910.95; 1910.136 & 1910.94(a)(5)(v)(a)
4	Protective clothing - coveralls, aprons, gowns, etc. available & used if needed.				29CFR1910.1030(d)(3)(i)
5	Protective clothing and gloves removed before leaving lab.				29CFR1910.1030(d)(3)(vii)
6	Non-disposable protective clothing laundered on site or by commercial service.				29CFR1910.1025(g)(2)(ii)
7	Approved respirators available and used if needed.				29CFR1910.134(a)(2)
8	Respirator users medically certified, properly trained and fit tested.				29CFR1910.134(a)(3)
9	PPE is properly stored, clean and in good condition.				29CFR1910.134(b)5-(b)7
Walking-Working Surfaces					
1	Entrance door opens and closes properly.				29CFR1910.35(b)(1)
2	Floor tiles are clean and dry without tripping hazards or missing tiles.				29CFR1910.22(d)(2) & 1910.22(a)(2)
3	Carpets are clean and dry without tripping hazards.				29CFR1910.22(d)(2) & 1910.22(a)(2)
4	Windows and sills are clean and windows unbroken. (vermin control)				29CFR1910.141(a)(5)
5	Window coverings are clean, in place and operable.				
6	Walls are clean, free of mold or mildew, and without holes.				OSHA 3304-04N (2006)
7	Ceilings are clean, free of mold or mildew stains, and all tiles in place.				OSHA 3304-04N (2006)
8	Vents are clean and free of mold or mildew, or excessive dust.				OSHA 3304-04N (2006)
9	Light lenses are clean and not discolored.				
10	Area is free of foul odors.				OSHA Technical Manual, Section III: Ch. 2
11	Area is free of insects or other pests.				29CFR1910.141(a)(5)
12	Are ramps, docks, & decks walking paths at least 36 inches in width				
13	Are handrails in place for stairs having more than 4-steps				29CFR1910.29
14	Are gangways protected by guardrails				
15	Are there any protruding nails or screws				
16	Is plank laid close together (No gaps more than 3/8 inches)				
17	Are planks braced				

		Y	N	N/A	References
18	Tripping hazards clearing marked, warning signs, or raised/elevated areas marked in yellow				29CFR1910.22(d)(2) & 1910.22(a)(2)
19	Where dock sections joined, are they secured properly: lashed/fastened				OSHA General Duty Clause, Section 5 (a)(1)
20	Are walking paths free of obstruction				OSHA General Duty Clause, Section 5 (a)(1)
21	Are dock anchoring cables identified with clear marking for example: hazardous and/or caution, or warning				OSHA General Duty Clause, Section 5 (a)(1)
22	Are guardrails 42-inches in height				OSHA General Duty Clause, Section 5 (a)(1)
23	Is adequate lighting provided for operations that run into hours of darkness				OSHA General Duty Clause, Section 5 (a)(1)
Water safety					
1	Is there a throwable (Type IV) PFD available at intervals of not more than 60 m (200 ft) on walkways				33CFR175
2	Do ring buoys have at least 21 m (70 ft) of 1 cm (3/8 inch) solid braid polypropylene line attached				33CFR175
3	Is the maximum capacity posted on each boat; Capacity formula: <i>(Boat length x Boat width) / 15 = Maximum number of persons</i>				Data plate if available or <i>Capacity formula</i>
4	Are the boat capacity levels enough for stability when loaded				OSHA General Duty Clause, Section 5 (a)(1)
5	Is a wearable PFD (Type I, II, III, or V) provided for each passenger				33CFR175
6	Is a throwable (Type IV) PFD provided for each boat				33CFR175
7	Is there a throwable (Type IV) PFD available at intervals of not more than 60 m (200 ft) on walkways				33CFR175
Dock safety [National Water Safety Congress]					
1	Panel properly secured and clean inside				
2	Circuit breakers secured to bus bars				
3	Connections tight (AL will creep and work loose)				
4	Circuit breakers labeled clearly (numbered IAW legend)				
5	Panel to elevation < 6' 6" above deck				
6	Panel enclosure NEMA 4 or NEMA 3R rated weatherproof				
7	Unused openings sealed with plugs or silicone sealant				
8	No openings larger than 1/8"				
9	Proper bushings				
10	Wiring < 8' above deck				
11	Insulated staples @ 4 1/2' intervals				

		Y	N	N/A	References
12	Devices and panels secured to sound structure of dock				
13	Conduit secured < 3' of all unions, panels, boxes, fittings and 10' min				
14	Conduits secured to panels and boxes tightly for electrical bonding/continuity				
15	Double lock nuts (required for EMT)				
16	Rigid and IMC threaded				
17	Lights minimum of 8' above deck				
18	Lights with guard and globe				
19	Lights UL listed for damp/weatherproof				
20	Light gasketed				
21	Bulbs not broken				
22	Lights clear of flammable members (12" incandescent, 6" fluorescent)				
23	Outlet boxes containing receptacles, switches, lights secured to structure				
24	J boxes must be secured to threaded conduit (IMC or Rigid)				
25	For EMT and Flex, J-Boxes secured to the structure				
26	Receptacles/switches > 30" elevation above water and 12" above deck				
27	Conductors-three to each device: hot, neutral and ground -"EGC"				
28	Bushings installed A/R - Check for conductors in contact with sharp edges of conduit or panels				
29	Conductors not skinned or cracked and in good condition				
30	Conductor insulation approved for damp or wet locations (THW, THHN, THWN)				
31	Conduit supports UL approved nails, straps not allowed in most cases				
32	Boxes NEMA 4 weatherproof/drip proof NEMA 3R (No boxes with knockouts)				
33	Receptacles properly grounded (check for pigtail ground to box or continuity device on yoke)				
Boat storage [National Water Safety Congress]					
1	Are all boats properly secured to trailers				OSHA General Duty Clause, Section 5 (a)(1)
2	Are the wheels to the trailer blocked to guard against rolling				OSHA General Duty Clause, Section 5 (a)(1)
3	Is the boat on level ground				OSHA General Duty Clause, Section 5 (a)(1)
4	Is the boat tongue properly secured and anchored in place to prevent tipping and rolling over				OSHA General Duty Clause, Section 5 (a)(1)
	Please see Florida Tech Small Boat Safety Plan for more details				