

PERSONAL PROTECTIVE EQUIPMENT

1. Is approved protective eye and face equipment provided to personnel who work in designated eye hazard areas? (29 CFR 1910.133(a)(1)); HIOSH 12-64-5(1))
 Yes No N/A

2. Is approved safety-toe footwear worn by personnel who work in areas where hazards exist which could result in foot or toe injuries? (i.e. heavy objects could drop or fall) (29 CFR 1910.132(a), (29 CFR 1910.136(a)); HIOSH 12-64-7)
 Yes No N/A

3. Is approved hearing protection provided to personnel? (29 CFR 1910.95(i)(1); HIOSH 12-64-4)
 Yes No N/A

4. Is approved head protection provided to personnel who are exposed to falling, flying objects and from limited electric shock and burn? (29 CFR 1910.132(a) 29 CFR 1910.135(a)); HIOSH 12-64-3) Yes No N/A

5. Is there as drenching or flushing facility available to employees in the vicinity of a corrosive hazard? (29 CFR 1910.151(c)); HIOSH 12-62-6) Yes No N/A

6. Is approved equipment available to protect brake and clutch mechanics from asbestos dust in the form of sprayers when utilizing the wet method or encapsulation devices equipped with HEPA-filter vacuum dust collectors? (29 CFR 1910. 1001 (f) (1) (k) (4); HIOSH 12-202-13 Appendix F (Non-mandatory))
 Yes No N/A

7. Are personnel who are required to work in such a manner that their clothing may become wet, provided with rubber aprons, coats, jackets, sleeves or other garments required to keep their clothes dry? (29 CFR 1910.132); HIOSH 12-64-2(a)

Yes No N/A

8. Are rubber or other impervious boots provided to personnel required to work in areas where their feet may become wet? (29 CFR 1910.132); HIOSH 12-64-9)

Yes No N/A

9. Are personnel who are required to work with a liquid other than water, provided with gloves impervious to such a liquid? (29 CFR 1910.132); HIOSH 12-64-9)

Yes No N/A

10. Are respirators provided to personnel working in areas contaminated with harmful dust, fog, fumes, mists, gases, smokes, sprays, vapors or oxygen deficient environments? (29 CFR 1910.134 (a) (1) & (2); HIOSH 12-64-6(1))

Yes No N/A

11. Are the respirators suitable/approved for the purpose intended? (29 CFR 1910.134 (a) (2)); HIOSH 12-64-6(1))

Yes No N/A

12. Are there written standard operating procedures governing the selection and use of respirators? (29 CFR 1910.134 (b) (1); HIOSH 12-64-6(b)(1))

Yes No N/A

13. Is the user instructed and trained in the proper use of respirators and their limitations? (29 CFR 1910.134 (b) (3)); HIOSH 12-64-6(b)(3)) Yes No N/A

14. Are respirators that are used routinely inspected during cleaning? Are worn or deteriorated parts replaced? (29 CFR 1910.134 (b)(7)); HIOSH 12-64-6(b)(6)

Yes No N/A

15. Has training provided the opportunity for individuals to handle the respirator, have it fitted properly, test its face piece for proper seal, wear it in normal air for long period and to wear it in a test atmosphere? (29 CFR 1910.134 (e) (5)); HIOSH 12-64-6(e)(5)(A)

Yes No N/A

16. After inspection, cleaning, and necessary repair, are respirators stored to protect them against dust, sunlight, heat, extreme cold, excessive moisture, or damaging chemicals? Are the respirators packed or stored so the face piece and exhalation valve rest in a normal position? (29 CFR 1910.134 (f) (5) (i)); HIOSH 12-64-6(f)(5)(A)

Yes No N/A

17. Are all hazardous areas identified with hazard identification signs? (29 CFR 1910.145); HIOSH 12-70-2)

Yes No N/A

18. Are first aid supplies approved by the consulting physician readily available? (29 CFR 1910.151 (b)); HIOSH 12-62-5(b)) Yes No N/A

19. Are personnel adequately trained in rendering first aid? (29 CFR 1910.151 (b)); HIOSH 12-62-3)

Yes No N/A

20. Have workplace hazards assessment been completed? Have they been documented? (29 CFR 1910.132 (d)(1) & (2)) Yes No N/A

Additional Comments:

GENERAL ENVIRONMENTAL CONTROLS

- 1. Are all sweepings, solid or liquid wastes, refuse, and garbage removed in such a manner and as often as necessary to avoid a menace to health? (29 CFR 1910.141(a)(4)(ii); HIOSH 12-67-9(b)) Yes No N/A

- 2. Is every enclosed workplace so constructed, equipped, and maintained, so far as reasonably possible, to prevent the entrance or harborage of rodents or insects? (29 CFR 1910.141(a)(5)); HIOSH 12-67-10) Yes No N/A

- 3. Is a continuing, effective extermination program instituted where the presence of pests is detected? (29 CFR 1910.141(a)(5)); HIOSH 12-67-10) Yes No N/A

- 4. Do the number of toilet facilities provided meet the requirements for the number of employees? (29 CFR 1910.141(c), Table J-1); HIOSH 12-67-4(b)(c)) Yes No N/A

- 5. Are washing facilities maintained in a sanitary condition? (29 CFR 1910.141(d)(1); HIOSH 12-67-5) Yes No N/A

- 6. Are lavatories provided with hot and cold running water, or tepid running water? (29 CFR 1910.141(d)(2)(ii)); HIOSH 12-67-4) Yes No N/A

- 7. Is hand soap or similar cleansing agents provided? (29 CFR 1910.141(d)(2)(iii)); HIOSH 12-67-5(b)(1)) Yes No N/A

WALKING AND WORKING SURFACES

1. Are permanent aisles and passageways appropriately marked? (29 CFR 1910.22(b)(2)), (HIOSH 12-72-2(a)) Yes No N/A

2. Are all aisles and passageways kept in good repair with no obstructions across or in aisles at all times? (29 CFR 1910.22(b)(1)), (HIOSH12-72-2(d)) Yes No N/A

3. Are floors maintained free of water, grease and other liquids which would create a slipping hazard? (29 CFR 1910.22(a)(2)), (HIOSH 12-72-2(b)) Yes No N/A

4. Is every stairway floor opening guarded by a standard railing on exposed sides? (29 CFR 1910.23(a)(1) & 29 CFR 1910.23(e)(1)), (HIOSH 12-72-3(a)(1))
 Yes No N/A

5. Are open pits, trap door floor openings or open tanks, vats, or ditches on adjacent grounds guarded by a floor opening cover of standard strength construction or guard rails? While the cover is not in place, the pit or trap opening shall be constantly attended by someone or protected on all exposed sides by removable standard railings? (29 CFR 1910.23(a)(5)), (HIOSH 12-72-3(a)(5);(6);(8)(b)) Yes No N/A

6. Is every open-sided floor or platform four (4) feet or more above adjacent floor or ground level guarded by a standard railing? (29 CFR 1910.23(c), 29 CFR 1910.23(e)(1) & (29 CFR 1910.23(e)(4)), (HIOSH 12-72-3(c)(1)) Yes No N/A

7. Is every flight of stairs having 4 or more risers equipped with standard stair railings or standard handrails? (29 CFR 1910.23(d)(1)), (HIOSH 12-72-3(d)(1))
 Yes No N/A

8. Do stairways less than 44 inches wide, having both sides enclosed, have at least one handrail? 29 CFR 1910.23(d)(1)(i), (HIOSH 12-72-3(d)(1)(A)) Yes No N/A

9. Do stairways less than 44 inches wide having one side open, have a stair railing on the open side? (29 CFR 1910.23(d)(1)(ii), (HIOSH 12-72-3(d)(1)(B)) Yes No N/A

10. Do stairways less than 44 inches wide, having both sides open, have a stair railing on each side? (29 CFR 1910.23(d)(1)(111)), (HIOSH 12-72-3(d)(1)(C)) Yes No N/A

11. Do stairways more than 44 inches wide, but less than 88 inches wide have one (i) handrail on each enclosed side and one stair railing on each open side? (29 CFR 1910.23(d)(1)(iv)), (HIOSH 12-72-3(d)(1)(D)) Yes No N/A

12. Do stairways 88 inches or more wide, have one (l)-handrail on each enclosed side, (1) stair railing on each open side, and one (1) intermediate stair railing located approximately midway of the width? (29 CFR 1910.23(d)(1)(v)), (HIOSH 12-72-3(d)(1)(E)) Yes No N/A

13. Is vertical clearance above any stair tread to an overhead obstruction at least seven (7) feet measured from the leading edge of the tread? (29 CFR 1910.23(d)(1)(iv)), (HIOSH 12-72-4(a)(9)) Yes No N/A

Additional Comments:

MEANS OF EGRESS

1. Are all exits free and unobstructed to allow for easy egress (exit) from buildings when occupied? (29 CFR 1910.36(b)(4); HIOSH 12-71-2(a)(4)) Yes No N/A

2. Are all exits prohibited from being locked or fastened when the building is occupied? (29 CFR 1910.36(b)(4); HIOSH 12-71-2(a)(4)) Yes No N/A

3. Is such exit clearly visible or the route thereto conspicuously indicated in such a manner that every occupant of every building or structure who is physically and mentally capable, will readily know the direction of escape from any point? (29 CFR 1910.36(b)(5); HIOSH 12-71-2(b)(5)) Yes No N/A

4. Is each path of escape arranged or marked so the way to a place of outside safety is unmistakable? (29 CFR 1910.36(b)(5); HIOSH 12-71-2(b)(5))
 Yes No N/A

5. Are building exits marked with readily visible exit signs? Is access to exits marked by readily visible signs in all cases where the exit or way to reach it is not immediately visible to the occupant? (29 CFR 1910.37(q)(1); HIOSH 12-71-2(r)(1))
 Yes No N/A

6. Is every exit sign suitably illuminated by a reliable light source giving a value of not less than five (5) foot candles on the illuminated surface? (29 CFR 1910.37(q)(6); HIOSH 12-71-2(r)(6)) Yes No N/A

7. When required by chapters 8 through 30 of NFPA 101, is emergency lighting installed to provide illumination not less than one (1) foot candle throughout the means of egress for a period of 1-1/2 hours in the event of failure of the normal lighting?
(NFPA 101(5-9.1), (5-9.2.1)) Yes No N/A

8. Are stairs, aisles, corridors, ramps and, passageways leading to an exit illuminated at all points to a value of not less than five (5) foot candle measured at the floor? (NFPA 101 (5-8.1.3), 29 CFR 1910.36(b)(6); HIOSH 12-71-2(b)(6)) Yes No N/A

9. Has each emergency lighting been tested monthly for a minimum of 30 seconds and annually for a 1 1/2 hours duration? (NFPA 101(5-9.3), (31-1.3.8);
 Yes No N/A

10. Has action been taken to effect the repair of emergency lighting that did not remain operational for the duration of the test? (NFPA 101(5-9.3), (31-1.3.7))
 Yes No N/A

11. Are letters on exit signs not less than six (6) inches high with the principal strokes of the letter no less than 3/4 inches wide? (29 CFR 1910.37(q)(8); HIOSH 12-71-2(r)(8))
 Yes No N/A

12. Are furnishings, decorations or other objects placed in such a manner as to not obstruct exits, access thereto, egress therefrom, or visibility thereof? (29 CFR 1910.37 (1); HIOSH 12-71-2(9)(1))
 Yes No N/A

13. Can all exits be reached without going through a kitchen, storeroom, restroom, closet, or similar space subject to being locked? (NFPA 101(5-5.2.1), 29 CFR 1910.37(f)(3)); HIOSH 12-71-2(j)(3) Yes No N/A

14. Are at least two (2) separate exits provided for each floor level that are located remote from each other to minimize the possibility that both exits might be blocked by fire?
(NFPA 101(5-4.1.1, 5-5.1.3, 29 CFR 1910.36(b)(8); HIOSH 12-71-2(b)(3))

Yes No N/A

15. Do exit doors swing in the direction of exit travel when serving an occupant load of 50 or more people or from a high hazard area, or where used in an exit enclosure?
(NFPA 101(5-2.1.4.1), 29 CFR 1910.37(f)(2); HIOSH 12-71-2(j)(2))

Yes No N/A

16. When required by chapters 8 through 30 -of NFPA 101, are horizontal sliding or vertical doors used as exits in lieu of side hinged swinging doors secured in the full open position when the area is occupied? Is there a durable sign on or adjacent to the door indicating "This door to remain open when building is occupied"?

(NFPA 101(5-2.1.4.1, Exception No. 3) Yes No N/A

17. Are doors, in a required means of egress, equipped with panic hardware (quick release bar) for any area having an occupant load of 100 or more persons?

(NFPA 101(5-2.1.7), (8-2.2.2.3), (9-2.2.2.3); 29 CFR 1910. 37(k)(3))

Yes No N/A

18. When exit doors are locked, can the door be unlocked from the inside without the use of a key or specific knowledge or effort?

(NFPA 101(5-2.1.5.1); 29 CFR 1910. 37(k)(3); HIOSH 12-71-2)

Yes No N/A

19. Is there any door, passage or stairway, which is neither an exit nor a way of exit, that can be mistaken for an exit, properly marked - NOT AN EXIT? (29 CFR 1910. 37(q)(2); HIOSH 12-71-27)(2))

Yes No N/A

Additional Comments:

FIRE PROTECTION

1. Does the facility have a written fire emergency plan?
(29 CFR 1910.38(a); HIOSH 12-71(a)) Yes No N/A

2. Does the facility have a written fire prevention plan?
(29 CFR 1910.38(b); HIOSH 12-71(b)) Yes No N/A

3. Are portable fire extinguishers readily accessible to employees without subjecting the employees to possible injury? (29 CFR 1910.157(c)(1); HIOSH 12-63-4(c)(1))
 Yes No N/A

4. Are the extinguishers hung on brackets or mounted in unlocked cabinets?
(NFPA 10 1-6.10; HIOSH 12-63-4) Yes No N/A

5. Are extinguishers of the appropriate type located in the facility in a fashion where an extinguisher may be reached within 75 feet for Class A and C extinguishers or 50 feet for Class B extinguishers from any location in the building? (29 CFR 1910.157 (d)(2), (4), (6); HIOSH 12-63-4) Yes No N/A

6. Are fire extinguishers maintained in a fully charged and operable condition and kept in their designated places at all times except during use?
(29 CFR 1910.157(c)(4); HIOSH 12-63-4) Yes No N/A

7. Are portable fire extinguishers visually inspected monthly? (29 CFR 1910.157(e)(2); HIOSH 12-63-4) Yes No N/A

8. Are portable fire extinguishers subjected to an annual maintenance check?
(29 CFR 1910.157(e)(3); HIOSH 12-63-4) Yes No N/A
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9. Is this maintenance check recorded and retained for one (1) year after the last entry or the life of the shell, whichever is less? (29 CFR 1910.157(e)(3); HIOSH 12-63-4)
 Yes No N/A
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10. Is alternate equivalent protection provided when portable fire extinguishers are removed from service for maintenance and recharging? (29 CFR 1910.157(e)(5))
 Yes No N/A
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11. Have extinguishers been hydrostatically tested and has results, date of test, test pressure used, and the person or agency performing the test been recorded?
(29 CFR 1910.157(f) (16Table L-1; HIOSH 12-63-4)) Yes No N/A
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12. Is a manual fire alarm station provided in the natural path of escape near each required exit from an area? (NFPA 101(7-6.2.3); HIOSH 12-63-4) Yes No N/A
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13. Is each sleeping room provided with a single station smoke detector?
(NFPA 101(16-3.4.4.2), (17-3.4.4(i); HIOSH 12-63-12) Yes No N/A
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Additional Comments:

FLAMMABLE AND COMBUSTIBLE LIQUIDS

1. Are only approved containers and portable tanks used in the storage of flammable and combustible liquids? (29 CFR 1910.106 (d) (2.) (i)), (HIOSH 12-75-2 (a))

Yes No N/A

2. Are flammable and combustible liquids maintained in the immediate work area stored in approved storage cabinets? (These cabinets must be designed and constructed to limit the internal temperature not more than 325 F, when subjected to a 10 minute fire test as set forth in NFPA Code 251. The bottom, top, door, and sides of the cabinet must be at least No. 18 gauge sheet iron and double walled with 1.5 inch air space.)

(29 CFR 1910.106(d)(3)(ii), (HIOSH 12-75-3 (d) (2)) Yes No N/A

3. Are more than sixty (60) gallons of Class I or Class II liquids or more than 120 gallons of Class III liquids stored in a cabinet?

(29 CFR 1910.106(d)(3)(i)), (HIOSH 12-75-3 (d) (2) (D)) Yes No N/A

4. Are approved storage cabinets used to store flammable and combustible liquids labeled "FLAMMABLE - KEEP FIRE AWAY"? (29 CFR 1910.106(d)(3)(iii), (HIOSH 12-75-3 (d) (2) (c)) Yes No N/A

5. Are there provisions to contain the liquid in the event of spillage (liquid-tight raised sills or ramps at least four (4) inches in height) in inside storage rooms?

(29 CFR 1910.106(d)(4)(1)), (HIOSH 12-75-3 (d) (3) (a)) Yes No N/A

6. Are openings to other inside storage rooms provided with approved self-closing fire doors? (29 CFR 1910.106(d)(4)(i)), (HIOSH 12-75-3 (d) (3) (a)) Yes No N/A

7. Is the room liquid-tight where the walls join the floor? (29 CFR 1910-106 (d) (4) (i)), (HIOSH 12-75-3 (d) (3) (a)) Yes No N/A
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8. Is the wood used for shelving, racks, dunnage, floor overlay, etc. at least one (1) inch nominal thickness? (29 CFR 1910.106(d)(4)(i)), (HIOSH (d) (2) (A))
 Yes No N/A
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9. Is capacity of inside storage rooms within the limits set forth in Table 75-3 or 75-4? (29 CFR 1910.106(d)(4)(ii)), (HIOSH 12-75-3 (d) (4) (f) (i)) Yes No N/A
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10. Does electrical wiring and equipment located inside storage rooms meet the requirements? (29 CFR 1910.106(d)(4)(iii)), (HIOSH 12-75-3 (d) (3) (C)) Yes No N/A
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11. Does ventilation system provide for a complete change of air within the room at least six times per hour? (29 CFR 1910.106(d)(4)(iv)), (HIOSH 12-75-3 (d) (3) (D))
 Yes No N/A
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12. Is there at least one clear aisle not less than three (3) feet wide maintained at all times? (29 CFR 1910.106 (d) (4) (iv)), (HIOSH 12-74-3 (d) (3) (E))
 Yes No N/A
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13. Are flammable and combustible liquids prohibited from being stored in such a manner as to limit the use of exits, stairways, or areas normally used for the safe egress of personnel? (29 CFR 1910.106(d)(5)(i)), (HIOSH 12-75-3 (d) (4) (A))
 Yes No N/A
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14. Is a portable fire extinguisher located outside of, but not more than 10 feet from the door opening into any room or building used for storage? (29 CFR 1910.106(d)(7)(i)(a)), (HIOSH 12-75-3 (f) (1) (A)) Yes No N/A

15. Are open flames, smoking, and cooking prohibited in flammable and combustible liquids storage areas? (29 CFR 1910.106(d)(7)(iii)), (HIOSH 12-75-3 (f) (3))
 Yes No N/A

16. Are water reactive materials prohibited from being stored in the same room with flammable and combustible liquids? (29 CFR 1910.106(d)(7)(iv)), (HIOSH 12-75-3 (f) (4)) Yes No N/A

Additional Comments:

MATERIALS HANDLING AND STORAGE

1. Where mechanical handling equipment is used, has sufficient safe clearance been allowed for aisles, through doorways, and wherever turns or passage? (29 CFR 1910.176(a)), (HIOSH 12-73-2(c)(2)) Yes No N/A

2. Are storage areas kept free from accumulation of materials that constitute a hazard from tripping, fire, explosion or pest harborage? (29 CFR 1910.176(c)), (HIOSH 12-73-2(c)(1)) Yes No N/A

3. Is vegetation controlled in and around outside storage areas? (29 CFR 1910.176(c)), (HIOSH 12-73-2(c)(1)) Yes No N/A

4. Is material stored in tiers so stacked blocked, interlocked and limited in height so they are stable and secure against sliding or collapse? (29 CFR 1910.176(b)), (HIOSH 12-73-2(e)) Yes No N/A

Additional Comments: _____

POWERED INDUSTRIAL TRUCKS

1. Is battery changing and charging area of electrically powered industrial trucks provided with adequate ventilation and posted with "NO SMOKING" signs? (29 CFR 1910.178 (g) (i)) (HIOSH 12-90-1 (b)(3)and (11)) Yes No N/A

2. Are only trained and authorized personnel permitted to operate powered industrial trucks? (29 CFR 1910.178(l) (HIOSH 12-81-5(m)) Yes No N/A

3. When traveling, are all traffic regulations observed to include speed limits, right of way and safe distances maintained? (29 CFR 1910.178(n)(1)) (HIOSH 12-81-5(o)(1)) Yes No N/A

4. Are periodic inspections of forklifts conducted and a record of major repairs including the date of such repairs kept and available? (HIOSH 12-81-5(r)(6)and (11)) Yes No N/A

5. Is load rating of forklift prominently displayed such as, on the side of the mast? (HIOSH 12-81-5(a)(6)) Yes No N/A

6. Are powered industrial trucks in need of repair or defective or unsafe in any way, taken out of service until they are restored to a safe operating condition? (29 CFR 1910.178(p)) (HIOSH 12-81-5(r)(6)) Yes No N/A

Additional Comments:

OVERHEAD CRANES

1. Is the rated load of the crane plainly marked on each side and clearly legible from the ground or floor? (to the operator while the operator is at the control station) (29 CFR 1910.179(b)(5)) (HIOSH 12-84-2 (C) and 12-84-4 (e)) Yes No N/A

2. If the crane has more than one hoisting unit, does each hoist have its rated load marked on it or its load block? (29 CFR 1910.179(b)(5)) (HIOSH 12-84-2 (C) and 12-84-4 (e))
 Yes No N/A

3. Are signs posted and in plain view of the operator warning of the operation of the equipment near high voltage lines? Are protective measures provided? (29 CFR 1910.333(c)(3)) (HIOSH 12-84-2 (o)(2) and (o)(9)) Yes No N/A

4. Is there a minimum clearance of 3 inches overhead and 2 inches laterally provided and maintained between crane and obstructions? (29 CFR 1910.179(b)(6)) (HIOSH 12-84-4 (f)(1)) Yes No N/A

5. Are only designated (authorized) personnel permitted to operate the crane? (29 CFR 1910.179(b)(8)) (HIOSH 12-84-2 (s)) Yes No N/A

6. Are stops provided at the limits of travel of the trolley? (29 CFR 1910.179(e)(1)(ii)) (HIOSH 12-84-4 (j)(1)) Yes No N/A

7. If required, are bridge bumpers and trolley bumpers capable of stopping the crane? (29 CFR 1910.179(e)(2)(i) and (3)(i)) (HIOSH 12-84-4 (j)(2)(A) and (3)(A))
 Yes No N/A

8. Do the sheaves and ropes of hoisting equipment meet the requirements of (29 CFR 1910.179(h)(1),(2))? (HIOSH 12-84-2 (g) and (h) wire rope and guards)
 Yes No N/A

9. Are periodic annual inspections performed on cranes, hooks, ropes, slings, chains & hoists? Is record available for all equipment inspections?

(29 CFR 1910.179(j)(1)(ii)) (HIOSH 12-84-2 (f)) Yes No N/A

10. Are all new cranes and extensively repaired or altered lifting devices load tested at 125% prior to use? Is evidence of the test readily available in the form of the MFG's written certification or maintenance records?

(29 CFR 1910.179(k)(1) and (2)) (HIOSH 12-84-2 (aa)(2)(A)) Yes No N/A

11. Are crane hooks visually inspected for deformation or cracks daily and are signed reports of this inspection recorded monthly?

(29 CFR 1910.179(j)(2)(iii)) (HIOSH 12-84-2 (z)(3)(E)) Yes No N/A

12. Are crane hooks removed from service when they have been damaged by any means (the throat opening exceeds more than 15% of normal, or the hook shows more than a 10 deg twist from the plane of the unbent hook or shows signs of cracks)? (29 CFR 1910.179(j)(2), CFR 1910.179(J)(2)(iii)) (HIOSH 12-84-2 (x)) Yes No N/A

13. Do hooks have safety closure latches and are they properly positioned and functional? (HIOSH 12-84-2 (x)(7)) Yes No N/A

Additional Comments:

DIP TANKS CONTAINING FLAMMABLE OR COMBUSTIBLE LIQUIDS

1. Is mechanical ventilation provided when dangerous quantities of flammable vapors are present? (29 CFR 1910.106(d)(4)(iv)), (HIOSH 12-75-12(b)(1))

Yes No N/A

2. Are the dip tanks approved? (29 CFR 1910.106(d)(2)(i)), (HIOSH 12-75-12(c)(1))

Yes No N/A

3. In order to prevent the ignition of flammable vapors, are open flames, smoking, spark producing devices, heated surfaces, and other activates with sufficient temperature to ignite vapors prohibited in any vapor area?

(29 CFR 1910.106(e)(6)(1); 29 CFR 1910.108(b).(1)&(2), (HIOSH 12-75-12(e)(1)(A))

Yes No N/A

4. Is electrical wiring and equipment, in any vapor area, of the approved type? (29 CFR 1910-106(e)(7)(i); 29 CFR 1910.307(b); 29 CFR 1910.108(e)(1)&(2)), (HIOSH 12-75-12(e)(1)(A))

Yes No N/A

5. Are combustible waste materials and residues stored in covered metal receptacles?

(29 CFR 1910.106(e)(9)(iii)), (HIOSH 12-75-12(f)(2)) Yes No N/A

6. Are the contents of the cans properly disposed of at least once daily or at the end of the work shift? (29 CFR 1910.106(e)(9)(iii)), (HIOSH 12-75-12(f)(2)) Yes No N/A

7. Are periodic inspections of the dip tank facilities made and defects corrected? (29 CFR 1910.108(f)(3)), (HIOSH 12-75-12(f)(3)) Yes No N/A
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8. Are "NO SMOKING" signs posted in the vicinity of the dip tanks? (29 CFR 1910.108(f)(4)), (HIOSH 12-75-12(f)(4)) Yes No N/A
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9. Are areas in the vicinity of the dip tanks provided with a portable fire extinguisher suitable for flammable and combustible liquid fires? (29 CFR 1910.106(d)(7)(i)), (HIOSH 12-75-12(g)(1)) Yes No N/A
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10. Are dip tank covers arranged to close automatically, actuated by approved automatic devices in the event of fire and also arranged for manual operation? (29 CFR 1910.108(g)(6)(i)), (HIOSH 12-75-12(g)(6)(A)) Yes No N/A
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11. Are covers kept closed when tanks are not in use? (29 CFR 1910.108(g)(6)(iv)), (HIOSH 12-75-12(g)(6)(D)) Yes No N/A
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Additional Comments:

COMPRESSED GAS CYLINDERS

1. Are full cylinders protected against excessive rise in temperature from direct rays of the sun or from other sources of heat not to exceed 130 deg F? (29 CFR 1910.253(b)(2)(i), (HIOSH 12-78.1-6 (b) (2) (A)) Yes No N/A

2. Is smoking prohibited within 50 ft of compressed gas storage area and "NO SMOKING" signs posted? (UH Campus Policy) Yes No N/A

3. When cylinders are stored inside of buildings, are they at least 20 feet (6.1 meters) from material such as oil or excelsior? (29 CFR 1910.253(b)(2)(ii), (HIOSH 12-78.1-6 (b) (2) (B)) Yes No N/A

4. Are oxygen cylinders in storage separated from combustible materials (especially oil or grease), a minimum distance of 20 ft or by a noncombustible barrier at least five feet high having a fire resistant rating of at least 1/2 hour? (29 CFR 1910.253(b)(4)(iii), (HIOSH 12-78.1-6 (b) (4)) Yes No N/A

5. Are acetylene and oxygen cylinders stored 100 ft apart or separated by an approved firewall having a fire resistant rating of at least 1/2 hour? (29 CFR 1910.253(b)(4)(iii), (HIOSH 12-78.1-6 (b) (4)) Yes No N/A

6. When cylinders are not in use, are valves closed tightly and the valve protector caps installed? (29 CFR 1910.253(b)(2)(iii), 29 CFR 1910.253(b)(2)(iv) , 29 CFR 1910.253(b)(5)(ii)(G)), (HIOSH 12-78.1-6 (b) (2) (D), HIOSH 12-78.1-6 (b) (5) (E)) Yes No N/A

7. When cylinders are standing upright during use or storage, has precautions been taken to prevent accidental upsetting or falling (chained or strapped to structure)? (29 CFR 1910.253(b) (2) (ii), (HIOSH 12-78.1-6 (b) (2) (B)) Yes No N/A

MACHINERY AND MACHINE GUARDING

1. Are machine guards provided to protect the operator and other employees in the machine area from hazards such as those created by point of operation, ingoing nip points, rotating parts, flying chips and sparks? (29 CFR 1910.212(a)(1)) (HIOSH 12-80-2(a)(1))

Yes No N/A

2. Are machines designed for a fixed location securely anchored to prevent walking or moving? (29 CFR 1910.212(b)) (HIOSH 12-80-2(b)) Yes No N/A

3. Is a mechanical or electrical power control provided on each woodworking machine to enable the operator to cut off power without leaving his/her position at the point of operation? (29 CFR 1910.213(b)(1)) (HIOSH 12-80-4(b)(1)) Yes No N/A

4. Does the safety guard on abrasive wheel machinery cover the spindle end, nut, and flange projections? (29 CFR 1910.215(a)(2)) (HIOSH 12-80-5 (a)(2)) Yes No N/A

5. Is the guard mounted so as to maintain proper alignment with the wheel? (29 CFR 1910.215(a)(2)) (HIOSH 12-80-5 (a)(2)) Yes No N/A

6. Are work rests on abrasive wheel machinery kept closely adjusted to the wheel with a maximum opening of 1/8 inch? (29 CFR 1910.215(a)(4)) (HIOSH 12-80-5 (a)(5))

Yes No N/A

7. Does the guard of a fan mounted within 7 feet of the floor or working level have openings no larger than 1/2 inch? (29 CFR 1910.212(a)(5)) (HIOSH 12-80-2 (a)(5))

Yes No N/A

Additional Comments:

TIRE SERVICING EQUIPMENT FOR MULTI-PIECE WHEELS

1. Does the facility have on hand a serviceable approved safety cage?
(29 CFR 1910.177(d)(1) and (2)) (HIOSH 12-81-2 (b)) Yes No N/A

2. Does the facility utilize an air hose of sufficient length (10 ft) with a clip on chuck to connect to the tire valve stem? (29 CFR 1910.177(d)(4)) (HIOSH 12-81-4 (c)(3)(F))
 Yes No N/A

3. Does the facility have DOT posters posted or rim manuals in the tire servicing area on safety procedures for changing multi-piece wheel rims? (29 CFR 1910.177(d)(5))
(HIOSH 12-81-4 (b)(1)(B)and (2)) Yes No N/A

4. Does the facility have a program to train all employees who service rim wheels in the hazards involved and the safety procedures to be followed? (29 CFR 1910.177(c)) (HIOSH 12-81-4 (b)) Yes No N/A

Additional Comments:

HAND AND OTHER PORTABLE POWERED TOOLS AND OTHER MAINTENANCE
EQUIPMENT

1. Is compressed air used for cleaning purposes reduced to less than 30 psi? (29 CFR 1910.242(b)) (29 CFR 1910.212(a)(1)) (HIOSH 12-79-4) Yes No N/A

2. Is effective chip guarding and personnel protective equipment provided and utilized? (29 CFR 1910.242(b)) (HIOSH 12-79-2 (b) and (c)) Yes No N/A

3. Is the operating control on hand-held power tools so located as to minimize the possibility of accidental operation, if such accidental operation would constitute a hazard to employees? (29 CFR 1910.243(a)(2)(iv)) (HIOSH 12-79-2 (d))
 Yes No N/A

4. Do portable electric powered tools meet the electrical grounding requirements of Subpart S? (29 CFR 1910.243(a)(5)) (HIOSH 12-89-5 (f)(5)(E)(iii)) Yes No N/A

5. Is the load rating and date of next periodic inspection stenciled on A-Frames, shop floor cranes, hoist booms, and jacks? (29 CFR 1910.244(a)(1)(ii) covers only jacks; HIOSH 12-79-10 (a)(2) covers jacks; HIOSH 12-84-2 (c) covers cranes and booms)
 Yes No N/A

6. Have air receivers been inspected and tested at 12-month intervals and tags applied to show date of inspection and next scheduled inspection? (29 CFR 1910.169(a)(2)(i) and (b)(3)(iv); HIOSH 12-210-4 (c)(2)) Yes No N/A

Additional Comments:

ELECTRICAL

1. Have areas with 500 volts rms (root-means-square) or greater been posted with safety signs indicating "HIGH VOLTAGE" and a current of 25 amperes or more been identified with a safety sign indicating "HIGH CURRENT"? (29 CFR 1910.145(c)(1))

Yes No N/A

2. Is installed electrical equipment free from recognized hazards likely to cause death or serious physical harm to employees? (29 CFR 1910.303(b)), (HIOSH 12-89-4(b)(1))

Yes No N/A

3. Have technicians, involved with electrical equipment, circuits, or transmission lines, been trained by qualified personnel in safety and the proper techniques of first aid, including rescue? (29 CFR 1910.332; 29 CFR 1910.151(b)) Yes No N/A
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4. Have electrical workers been taught cardiopulmonary resuscitation (CPR) standard techniques by certified instructors, and annual refresher training thereafter? (29 CFR 1910.269(b)(1)) Yes No N/A
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5. Are live parts of electrical equipment operating at 50 volts or more guarded against accidental contact by being enclosed in approved cabinets or other approved enclosures? (29 CFR 1910.303(g)(2)), (HIOSH 12-89-4(g)(2)(A)) Yes No N/A
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6. Is sufficient access and working space provided and maintained about all electric equipment to permit ready and safe operation and maintenance of such equipment? (29 CFR 1910.303 (g)(1)), (HIOSH 12-89-4(g)(1)) Yes No N/A
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7. Are outside power lines located a minimum of 10 ft above sidewalks or platforms, 12 ft over areas subject to vehicular traffic other than trucks, 15 ft over areas subject to truck traffic, and a minimum of 18 ft over public streets, alleys, roads, and driveways? (29 CFR 1910.304 (c)(2)) Yes No N/A
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ELECTRICAL

8. Are all alternating current (AC) systems of 50 volts to 1000 volts in facilities properly grounded? (29 CFR 1910.304(f)(1); (HIOSH 12-89-5(f)(1)(D)) Yes No N/A

9. Is the path to ground from circuits, equipment, and enclosures permanent and continuous? (29 CFR 1910.304(f)(4); HIOSH 12-89-5(f)(4)) Yes No N/A

10. Are receptacles grounded by being installed in a complete metallic raceway or by a separate grounding conductor (3 wire) and all receptacles electrically connected to the grounding conductor (wire)? (29 CFR 1910.303(b)(1); (HIOSH 12-89-5(f)(5)(A)) Yes No N/A

11. Does each electrical outlet box, plug box, junction box, and cabinet have an installed faceplate, cover or canopy cover and are unused openings in cabinets and boxes effectively closed? (29 CFR 1910.305(b)(2); HIOSH 12-89-6(h)(1)) Yes No N/A

12. Is water or moisture-prevented from entering and accumulating within electrical cabinets, panel boards and junction boxes? (29 CFR 1910.305(e)(1); HIOSH 12-89-6(e)(1)) Yes No N/A

13. Are weather proof enclosures used in outside locations or wet locations? (29 CFR 1910.305(e)(2); HIOSH 12-89-6(e)(2)) Yes No N/A

14. Is motor operated equipment (i.e. hand held motor operated tools, portable hand lamps, refrigerators, air conditioners, etc.) properly grounded with a three prong plug.(appliances protected by an approved system of double insulation need not be grounded)? (29 CFR 1910.304(f)(5)(v); HIOSH 12-89-5(f)(5)(E)) Yes No N/A

ELECTRICAL

15. Are flexible cords and cables prohibited from use as a substitute for permanent wiring of a structure, and prohibited from being run through holes in walls, ceilings, or floors, running through doorways, windows, or similar openings? (29 CFR 1910.305(g)(1)(iii); HIOSH 12-89-5(g)(1)(C)(ii-v)) Yes No N/A

16. In electrical shops where dangerous voltage exists, is flooring and work surfaces protected with a non-conductive material? (29 CFR 1910.399(a)(2)(B)(ii))
 Yes No N/A

17. Are safety signs and tags, barricades, attendants or other alerting techniques used to warn and protect employees from hazards which could cause injury due to electric shock, burns or failure of electric equipment parts? (29 CFR 1910.335(b); 29 CFR 1910.333(c)(8); HIOSH 12-89-34(b)(1-3)) Yes No N/A

18. Are personnel prohibited from wearing personal bracelets, watches, rings, or other metal objects when trouble shooting, repairing, or calibrating electrical/electronic equipment with exposed electricity? (29 CFR 1910.269(l)(6); HIOSH 12-89-32(c)(8))
 Yes No N/A

20. Are two persons required to be in the immediate work area at all times while work is being performed on exposed circuits carrying over 50 volts rms or DC to assure that one person is available to render assistance in case of an accident? (29 CFR 1910.269(l)(1)(i))
 Yes No N/A

Additional Comments:

SPRAY PAINTING OPERATIONS

1. Is the average velocity of the exhaust air over the open face of dry type spray booths (or cross section during spraying operations) not less than 100 linear feet per minute? (29 CFR 1910.107(b)(5)(i); HIOSH 12-75-11(a)(5)(A)) Yes No N/A

2. Is the spray booth equipped with visible gauges or audible alarm or pressure activated devices to indicate or insure that the required air velocity is maintained? (29 CFR 1910.107(b)(5)(i); HIOSH 12-75-11(a)(5)(A)) Yes No N/A

3. Are sprinkler heads maintained free from deposits as practical by cleaning daily if necessary? (29 CFR 1910.107 (f)(3); HIOSH 12-75-11(e)(3)) Yes No N/A

4. Is a clear space of not less than three (3) feet on all sides of the spray booth kept free from storage or combustible construction to provide ready access for cleaning? (29 CFR 1910.107(b)(9)(i); HIOSH 12-75-11(a)(9)) Yes No N/A

5. Is open flame or spark producing equipment prohibited in any spraying area or within 20 feet thereof, unless separated by a partition? (29 CFR 1910.252 (a)(2)(iii)(A)(1) & (2); HIOSH 12-75-11(b)(2)) Yes No N/A

6. Is electrical wiring and equipment to include lighting of explosion-proof type approved for Class, Group D, locations; and is electric lamps totally enclosed and protected from mechanical damage by suitable guards to prevent the falling of hot particles? (29 CFR 1910.107(c)(6); HIOSH 12-75-11(b)(6 & (7)) Yes No N/A

7. Is the exhaust duct system of the spray booth an independent system discharging to the exterior of the building? (29 CFR 1910.107(d)(3); HIOSH 12-75-11(c)(3)) Yes No N/A

8. Is the fan rotating element of nonferrous or nonsparking construction? (29 CFR 1910.107(d)(4); HIOSH 12-75-11(c)(4)) Yes No N/A
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9. Is air exhaust from spray operations directed so that it will not contaminate makeup air being introduced into the spray booth? (29 CFR 1910.107(d)(9); HIOSH 12-75-11(c)(9)) Yes No N/A
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10. Is the quantity of flammable or combustible liquids kept in the vicinity of spraying operations limited to one day or one shift supply? (29 CFR 1910.107(e)(2); HIOSH 12-75-11(d)(2)) Yes No N/A
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11. Is an adequate supply of suitable portable fire extinguishers installed near air spraying operations? (29 CFR 1910.107(f)(4); HIOSH 12-75-11(e)(4)) Yes No N/A
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12. Are painters provided and required to wear airline respirators, coveralls, and loose fitting hoods as personal protective equipment when painting with Chemical Agent Resistant Coating (CARC) Paint? (AEHA study #55-62-0259-87) Yes No N/A
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13. Are "No Smoking" signs in large letters on contrasting color background conspicuously posted at all spraying areas and paint storage rooms? (29 CFR 1910.107(g)(7); HIOSH 12-75-11(f)(7)) Yes No N/A
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Additional Comments:

BATTERY CHARGING OPERATIONS

1. Does battery charging area provide general ventilation to control hydrogen gases emitted by lead-acid and nickel cadmium batteries? (29 CFR 1910.178(g)(2); 29 CFR 1910.305(j)(7); HIOSH 12-90-1 (b)(3)) Yes No N/A

2. Is ventilation system interlocked with battery charger to ensure that ventilation system is operating when batteries are on charge? (NFPA 410.2-2.13; HIOSH 12-69-3 (b)(1)) Yes No N/A

3. When local exhaust ventilation is used in the form of a hood at the charging rack, is a control velocity of at least fifty (50) feet per minute provided? (29 CFR 1910.178 (g)(2); and .305(j)(7); and 94(d)(4); HIOSH 12-69-3(a)(4)) Yes No N/A

4. Are protective gloves, apron and face shields (or chemical goggles) provided at all battery handling operations? (29 CFR 1910.132(a); HIOSH 12-90-1(b)(10) gloves not included) Yes No N/A

5. Are eye lavages and deluge showers provided and located in the immediate work area to provide an abundance of water for flushing the eyes or skin when splashes or spills of electrolyte have come in contact with the body? (29 CFR 1910.151(c); HIOSH 12-90-1(b)(9); HIOSH 12-62-6) Yes No N/A

6. Are periodic tests conducted to ensure that eye lavage and deluge shower are operational? (ANSI Z 358.1-1981; HIOSH 12-62-6) Yes No N/A

7. Is area under deluge shower and around eye lavage maintained clear and free of clutter and storage equipment? (ANSI Z 358.1-1981; HIOSH 12-62-6) Yes No N/A

8. Has explosion proof electrical equipment been installed in the battery charging area? (29 CFR 1910.307(b); HIOSH 12-89-8(b)(4)) Yes No N/A

VEHICLE EXHAUST VENTILATION

1. Is the tailpipe exhaust system properly maintained and in an acceptable operating condition?
(TG-022(5)(III)) Yes No N/A

2. Does the facility inspection records indicate evidence of periodic carbon monoxide monitoring?
(DA PAM 750-72)
 Yes No N/A

3. Does the facility vehicle exhaust ventilation system provide a minimum of 400 CFM per diesel engine vehicle utilizing flexible ducts 4 ½ in inside diameter? (TG-022 (10) (a))
 Yes No N/A

Additional Comments:

WELDING OPERATIONS

1. When indoors and welding operations involving fluorine compounds, zinc, lead or welding over lead base paint, beryllium, cadmium, mercury, or stainless steel, is local ventilation provided utilizing flexible ducts with hoods being placed at the work with a velocity of 100 linear feet per minute or in compliance with the table contained in 29 CFR 1910.252(c)(3)(i) or HIOSH 12-78.1-4(c) Yes No N/A

2. Is general ventilation, with a minimum rate of 2,000 cubic feet per minute per welder provided when welding indoors on metals other than indicated in 1 above? (29 CFR 1910.252(c)(2)(ii); HIOSH 12-78.1-4(b)(2)) Yes No N/A

3. Is general ventilation, with a minimum rate of 2,000 cubic feet per minute per welder provided when welding indoors on metals other than indicated in 1 above? (29 CFR 1910.252(c)(2)(ii); HIOSH 12-78.1-4(b)(2)) Yes No N/A

4. Do welding or cutting goggles, helmets and face shields employ the correct filtered lens (shade number) for the welding operation? (29 CFR 1910.252(b)(2); HIOSH 12-78.1-3(b)(2)(H)) Yes No N/A

5. Are fire curtains provided and set up around welding operations to protect operators of nearby equipment? (29 CFR 1910.252(b)(2)(iii); HIOSH 12-78.1-2(b)(3)) Yes No N/A

Additional Comments:
