SAFETY AUDIT CHECKLIST

Electrical Systems – Use of Equipment

Location:

Audited by:

Date:

Item # Repair Date Т

Check the box under Y for "yes" or N for "no" to determine if each item is within compliance.

<u>Y</u> <u>N</u>		<u>Y</u> <u>N</u>		
	 Is portable equipment handled in a manner which will not cause damage? 1910.334(a)(1) 		9. Are attachment plugs and receptacles pro- hibited from being connected or altered in a manner which would prevent proper conti- nuity of the equipment grounding conductor at the point where plugs are attached to receptacles? 1910.334(a)(3)(ii)	
	2. Are flexible electric cords connected to equipment not used for raising or lowering the equipment? 1910.334(a)(1)			
	 Are flexible cords not fastened with staples or otherwise hung in such a fashion as could damage the outer jacket or insulation? 1910.334(a)(1) 		 Are these devices not altered to allow the grounding pole of a plug to be inserted into slots intended for connection to the current-carrying conductors? 1910.334(a)(3)(ii) 	
	4. Are portable cord and plug connected equipment and flexible cord sets (extension cords) visually inspected before use on any shift for external defects (such as loose parts, deformed and missing pins, or dam-		11. Are adapters which interrupt the continuity of the equipment grounding connection prohibited from being used? 1910.334(a)(3)(iii)	
	age to outer jacket or insulation) and for evidence of possible internal damage (such as pinched or crushed outer jacket)? 1910.334(a)(2)		 12. Are portable electric equipment and flexible cords used in highly conductive work locations (such a those inundated with water or other conductive liquids), or in job locations where employees are likely to contact water or conductive liquids, approved for those locations? 1910.334(a)(4) 	
	5. Are cord and plug connected equipment and flexible cord sets (extension cords) which remain connected once they are put in place and are not exposed to damage visually			
	 inspected when they are relocated? 1910.334(a)(2)(i) 6. If there is a defect or evidence of damage that might expose an employee to injury, is the defective or damaged item removed 		 Are employees' hands not wet when plug- ging and unplugging flexible cords and cord and plug connected equipment, if energized equipment is involved? 1910.334(a)(5)(i) 	
	from service, so no employee may use it until repairs and tests necessary to render the equipment safe have been made? 1910.334(a)(2)(ii)		14. Are energized plug and receptacle connec- tions handled only with insulating protec- tive equipment if the condition of the con- nection could provide a conducting path to the employee's hand (if, for example, a cord connector is wet from being immersed in water)? 1910.334(a)(5)(ii)	
	 7. When an attachment plug is to be connected to a receptacle (including an on a cord set), is the relationship of the plug and receptacle contacts first checked to ensure that they are of proper mating configurations? 1910.334(a)(2)(iii) 			
			15. Are locking type connectors properly secured after connection?1910.334(a)(5)(iii)	
	8. Is a flexible cord used with grounding type equipment contain an equipment grounding conductor? 1910.334(a)(3)(i)		16. Are load rated switches, circuit breakers, or other devices specifically designed as disconnecting means used for the opening, reversing, or closing of circuits under load conditions? 1910.334(b)(1)	

Notes:

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- **Comments:** □ □ 17. Are cable connectors not of the load break type, fuses, terminal lugs, and cable splice connections prohibited from being used for such purposes, except in an emergency? 1910.334(b)(1) □ □ 18. After a circuit is deenergized by a circuit protective device, is the circuit prohibited from being manually reenergized until it has been determined that the equipment and circuit can be safely energized? 1910.334(b)(2) □ □ 19. Is repetitive manual reclosing of circuit breakers or reenergizing circuits through replaced fuses prohibited? 1910.334(b)(2) □ □ 20. Are overcurrent protection of circuits and conductors not modified, even on a temporary basis, beyond that allowed by the installation safety requirements for overcurrent protection? 1910.334(b)(3) □ □ 21. Are only qualified persons permitted to perform testing work on electric circuits or equipment? 1910.334(c)(1) **Q Q** 22. Are test instruments and equipment and all associated test leads, cables, power cords, probes, and connectors visually inspected for external defects and damage before the equipment is used? 1910.334(c)(2) \square \square 23. If there is a defect or evidence of damage that might expose an employee to injury, is the defective or damaged item removed from service, and are employees prohibited from using it until repairs and tests necessary to render the equipment safe have been made? 1910.334(c)(2) □ □ 24. Are test instruments and equipment and their accessories rated for the circuits and equipment to which they will be connected and designed for the environment in which they will be used? 1910.334(c)(3)□ □ 25. Where flammable materials are present only occasionally, is electric equipment capable of igniting them not used, unless measures are taken to prevent hazardous conditions from developing? 1910.334(d)
- Notes: