



Electrical Maintenance Checklist

Electrical Facility - Site ACF / 3 Nov 2023 /
Howard Raft

Complete

Score	56 / 57 (98.25%)	Flagged items	1	Actions	1
Site	Electrical Facility - Site ACF				
Conducted on	03.11.2023 08:00 PST				
Prepared by	Howard Raft				
Location	California, USA (36.778261, -119.4179324)				

Flagged items & Actions

1 flagged, 1 action

Flagged items

1 flagged, 1 action

Inspection / Electrical Equipment

5 Free of water or potential sources of water

No

During the time of maintenance inspection, one water bottle was found near one of the electrical plugs, and it was overturned, causing water to spill.



Photo 1

To do | Assignee **SafetyCulture Staff** | Priority **Low** | Due **10.11.2023 09:01 PST** | Created by **SafetyCulture Staff**

Review the CCTV footage from yesterday to see who forgot to remove the water bottle in Site ACF AB-EE2.

Other actions

0 actions

Inspection	1 flagged, 1 action, 56 / 57 (98.25%)
Electrical Equipment	1 flagged, 1 action, 17 / 18 (94.44%)

Recommendations

- Vacuum the panels and room to remove dust, dirt and debris
- Wipe down with lint free rags and solvents if needed, nonflammable solvents only
- Check for signs of moisture or contamination
- If present, check that windows are in working order
- Verify that surface mounted wiring is labeled UF-B, UV resistant and is located in areas not subject to abrasion or physical damage
- For conduit wiring, verify Schedule 40 PVC is used and wire is for wet locations i.e. THWN.
- Verify that electrical raceways and cable trays are used exclusively for electrical conductors

Electrical equipment room #	AB-EE2
1 Access door is marked and in working order	Yes
2 Free of excessive dust, dirt and debris	Yes
3 No storage. Clearance of at least 36 inches from panels	Yes
4 Adequate lighting	Yes
5 Free of water or potential sources of water	No

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Review the CCTV footage from yesterday to see who forgot to remove the water bottle in Site ACF AB-EE2.

6 Check for burning or "ozone" odors	Yes
7 Room is well ventilated	Yes
8 Panel doors in working order	Yes
9 Front panel is present and no open slots are present	Yes
10 Free of excessive dust and dirt	Yes

11 Seal and gaskets are installed	Yes
12 All the wiring is reaching completely into the box and properly secured	Yes
13 No punch-out missing	Yes
14 All the breakers are labeled	Yes
15 If present, check for heater elements	Yes
16 If present, check for fans	Yes
17 Check for arc flash protection warning signs	Yes
18 Check for identification of disconnecting means and circuit directories for panelboards, switchboards, switchgears and similar equipment	Yes
Switchgears (Insulators, Supports and Connectors)	9 / 9 (100%)

Recommendations

- If exposed to the environment, increase the frequency or maintenance
- Clean all ceramic materials
- Vacuum dirt and debris
- Exercise circuit breakers annually
- Bi-annual interior inspection/cleaning of distribution panels by licensed electrician

19 Check for signs of cracking, broken pieces or any sign of physical damage	Yes
20 Free of dirt and debris	Yes
21 Check for evidence of moisture	Yes
22 Check for evidence of tracking, arcing or overheating	Yes
23 Check for bolts and connecting devices for signs of physical damage	Yes
24 Ensure bolts have proper tightness	Yes
25 If present, copper and aluminum conductors, check for galvanic action	Yes
26 Check for insulation: deterioration, cracking, flaking or overheating	Yes

27 Inspect for missing parts	Yes
Batteries	5 / 5 (100%)
Battery Station #	GH-BT 121
<p>Recommendations Batteries emit explosive gases while charging, allow no open flames or sparks Battery room should be ventilated using a "rated" fan No smoking should be permitted</p>	
28 Battery surface clean of dust and dirt accumulation	Yes
29 Check for all terminals and connections being tight and clean	Yes
30 Check for corrosion on battery terminals	Yes
31 Check for stranded cables, corroded or separated	Yes
32 Check electrolyte levels and specific gravity.	Yes
Charger	3 / 3 (100%)
Charger #	CH-001 SW
33 Free of dirt and debris	Yes
34 Check for terminal connections	Yes
35 Check that all relays, lights, and other indicating devices are working properly	Yes
Electric Motor	12 / 12 (100%)
Electric Motor #	EMCB1-UP001
36 Check for damage caused by dirt, loose parts or foreign objects	Yes
37 Check air inlets are not blocked	Yes
38 Check for evidence of moisture and/or dirt build-up	Yes
39 Check for unusual noises, leaking seals or high vibration	Yes
40 If present, check oil level gages	Yes
41 Check for degradation of foundation, bed plates, anchor bolts	Yes

42 If present, check for oil ring turning	Yes
43 Check for evidence of leaking oil and water from piping and connections	Yes
44 Check for scheduled lubrication according to manufacturer's instructions	Yes
45 For critical motors, check bearings daily using a stethoscope or infrared scanner (or camera, if appropriate)	Yes
46 Check bearing surface temperature with a thermometer, electronic temperature sensing devices, or stick-on temperature indicating labels	Yes
47 Check belt tension; belts should have about 1 in. of play; sheaves should be seated firmly with little or no play	Yes
Additional Check	10 / 10 (100%)
48 Verify that wiring methods are securely fastened in place, supported independently	Yes
49 Verify that boxes are installed at junction, splice, outlet, switch, and pull points	Yes
50 Identify wet and damp locations and the suitability of boxes and fittings	Yes
51 Verify that cabinets or cutout boxes are suitable and properly installed in any wet or damp locations	Yes
52 Verify that cables are secured to cabinets and cutout boxes or that the conditions for cables with nonmetallic sheaths are met	Yes
53 Verify that any switches in wet locations are properly installed in waterproof enclosures	Yes
54 Verify that the point of attachment for an overhead service drop is adequate and will provide minimum clearances	Yes
55 Verify that GFCI protection is provided for receptacles in bathrooms, near sinks, outdoors, on rooftops, indoor wet areas, outdoor areas and in garages	

	Yes
56 Check transformer installations for adequate ventilation and spacing from walls and obstructions	Yes
57 Periodic transformer oil testing	Yes

Sign Off

Prepared by



Howard Raft
03.11.2023 09:04 PST

Media summary



Photo 1