

Occurrence Investigation Checklist

Electrical Hazard Factor

- Was the worker exposed to an electrical hazard?
 - IF the answer is NO do not evaluate using the tool
 - What waveform of electrical energy?
 - 60 Hz, AC Power (Class 1.x)
 - AC Power, not 60 Hz (Class 2.x AC)
 - DC Power (Class 2.x DC)
 - Capacitors (Class 3.x)
 - Batteries (Class 4.x)
 - Radio Frequency (Class 5.x)
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Continued...

- ❑ What was the voltage?
{1.x, 2.x AC, 2.x DC, 3.x}
 - ❑ What size was the system transformer that fed the electrical hazard?
{1.x (<240 V)}
 - ❑ What was the current?
{2.x AC (<50 V), 2.x DC (>100 V), 5.x}
 - ❑ What was the power?
{2.x AC (<50 V), 2.x DC (<100 V), 4.x}
 - ❑ What was the energy?
{3.x}
 - ❑ What was the frequency?
{5.x}
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Environment Factor

- Was the exposed worker working indoors or outdoors?
 - Was water, snow, or other conductive liquids involved?
 - Was the worker adequately protected from the environment, pertaining to the electrical hazard?
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Shock Proximity Factor

- How close did the worker get to the exposed live part?
 - Was the worker protected by dielectrics?
 - What class of dielectrics?
 - Were the dielectrics inspected and tested?
 - Was there a date stamped on the dielectrics?
 - What was the date?
 - Were the dielectrics adequately cleaned, maintained, and stored?
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Arc Flash Proximity Factor

- Was an arc flash hazard analysis performed?
 - What was the arc flash boundary?
 - Was the worker wearing arc flash PPE?
 - What PPE was the worker wearing?
 - What was the calorie rating?
 - Was the PPE cleaned, maintained, and stored properly in accordance with the manufacturer's instructions?
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Thermal Proximity Factor

{2.x AC (<50 V & >1000 W), 2.x DC (<100V & >1000 W), 3.x (<100 V & >100 J), 4.x (<100 V & > 1000 W)}

- Did a conductive media come into contact with an energized source?
 - If yes, was the worker in contact with the conductive media, while it was in contact with an energized source?
 - If yes, was the worker protected from the thermal burn hazard and how?
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Injury Factor

- Was the worker shocked?
 - IF yes...
 - Did the worker's heart go into fibrillation?
 - Was an ECG performed?
 - Was the worker burned?
 - To what degree?
 - Was the worker permanently disabled?
 - Was the worker killed?
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