

OBJECTIVES OF ELECTRICAL SAFETY AUDIT

GENERAL

1. The purpose of an electrical safety audit is to identify potentially hazardous electrical situations and provide corrective actions for these situations.
2. Determine electrical system & electrical safety compliance with:
 - National Electrical Code
 - NFPA 70E
 - NFPA 70B
 - OSHA 1910.331-335
3. Review and provide corrective actions for electrical safety work processes
4. Review and provide corrective actions for electrical maintenance tools
5. Identify potential cost savings and efficiencies through modifications of electrical system



SCOPE OF WORK & PROCESS

The Kay Electric Technical Electrical Safety Inspection Report will focus on installations and safe work practices at your site (s) based on the National Electrical Code, NFPA 70E, NFPA 70B, and OSHA 1910.331-335. This report will be conducted by a specialist who has a strong understanding of these various standards/laws and who is field experienced in electrical plant environments. It is important to point out that that these standards and laws can, based on the official making the inspection, be subjective to interpretation and site situation. Additionally, installations, practices and procedures changed, modified or altered following the inspection. Thus, this inspection report will be a foundation in working towards a safer workplace for your employees.



The report will focus on the following categories:

- NEC Compliance
- OSHA / NFPA 70E Arc Flash & Electrical Safety Compliance
- Assured Equipment Grounding
- Ground Fault Circuit Interruption Protection
- Lock Out / Tag Out
- Qualified Electrical Worker Training

Each site visit will entail an inspection of equipment and installations to identify items from the service point of your buildings down through the feeder circuits to various branch circuits. Please note that the inspectors will be taking pictures.

We will also examine and assess your personnel and workplace procedures. Thus, Technical audit will require all current recordkeeping on all electrical maintenance personnel down to the maintenance shops, their tools, meters, PPE, workplace standards, and maintenance record keeping and PM procedures.

The Inspection/Report will itemize observations in which CFR or NFPA standards not being met and the recommended corrective action. The criticality of the items will be ranked on a subjective scale of 1 to 5. This ranking will serve as a “to do list” that your maintenance and engineering teams can use as “road map” to corrective action.

DELIVERABLES OF ELECTRICAL SAFETY AUDIT

1. Recommendations and Corrective Actions Report with Critical Corrective Action Ranking

