Ground Fault/Assured Equipment Grounding Program

For

Company:

Address:

Our safety evaluations, reports and recommendations are made solely to assist your organization in reducing hazards and the potential of hazards and accidents. These recommendations were developed from conditions observed and information provided at the time of our visit. They do not attempt to identify every possible loss potential, hazard or risk, nor do they guarantee that workplace accidents will be prevented. These safety evaluations, reports and recommendations are not a substitute for ongoing, well-researched internal safety and risk management programs. This report does not warrant that the property inspected and its operations are compliant with any law, rule or regulation.

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I. Introduction

The OSHA standard 29 CFR 1926.404 (b)(1) states that each employer shall provide its workers who are engaged in construction activities with either a ground-fault current interrupter or an Assured Equipment Grounding Conductor Program to protect employees who use cord-and-plug-connected tools, and cord sets, that are not a permanent part of the wiring of a building.

II. Option 1: Ground Fault Current Interrupter Program

To meet this standard we will provide a ground-fault current interrupter (GFCI) can be provided and used whenever electrical plug and cord connected equipment or extension cord sets are used during construction activities.

III. Option 2: Assured Equipment Grounding Conductor Program

The purpose of the Assured Equipment Grounding Conductor Program is to eliminate all serious injuries resulting from possible malfunctions, improper grounding, and/or defective electrical powered tools, equipment, cord sets and receptacles, used in construction activities.

The Program Coordinator directs and has overall responsibility for the execution of this program and coordinates its implementation.

A. Inspections – A daily visual inspection shall be made of the following to determine any external defects or indications of internal damage prior to each day's use: Cord sets, attachment caps, plug and receptacle of cord sets and any other equipment connected by cord and plug (with the exception of cord sets and receptacles which are fixed and not exposed to damage) such as deformed or missing pins, insulation damage. Equipment found to be damaged shall be tagged and removed from service until repaired and tested.

B. Tests – The following tests shall be conducted at intervals not to exceed three (3) months on all cord sets and receptacles which are not apart of the permanent wiring of the building or structure for both company-owned and employee-owned cord and plug-connected equipment.

1. Grounding conductors will be tested for continuity and shall be electrically continuous.
2. Each receptacle and attachment cap or plug shall be tested for correct attachment of the equipment grounding conductor. The equipment grounding conductor shall be connected to its proper terminal.
3. The above required tests shall be performed before first use, before equipment is returned to service following repairs, before equipment is used after any incident which can be reasonably suspected to have caused damage (example: when cord is run over or crushed), and every 3 months. Cord sets and receptacles which are fixed are not exposed to damage shall be tested at six (6) month intervals.
4. The above requirements shall be followed prior to making available or permitting the use by employees of any equipment.
5. Tests performed as required in this program shall be recorded. Test records will identify each receptacle, cord set and cord- and plug-connected equipment that passed the test and shall indicate the last date it was tested or the interval for which it was tested. This record shall be kept by means of logs, color coding or other effective means, and shall be maintained until replaced by a more current record. The record shall be made available at the job site for inspection by Department of Labor OSHA personnel, and any affected employee.
C. **Training/Competent Person** – A competent person will be charged with the testing requirements of the program and shall be properly instructed regarding use of all testing equipment, nature of the hazards, and precautions to be taken.

**Competent Person(s):** _______________________________________

<table>
<thead>
<tr>
<th>Quarter</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 1 to March 31</td>
<td>White</td>
</tr>
<tr>
<td>April 1 to June 30</td>
<td>Green</td>
</tr>
<tr>
<td>July 1 to September 30</td>
<td>Red</td>
</tr>
<tr>
<td>October 1 to December 31</td>
<td>Orange</td>
</tr>
</tbody>
</table>

Color identification to be of one inch length, affixed by colored tape which will adhere to the cord sets and cord and plug connected equipment.

Colored tape should be located on cord sets and equipment on the cord adjacent to the base of the equipment.

**Note:** At the beginning of a new quarter the previous quarter’s color should be removed (if tape) and the new color affixed. To ensure uniformity, cord sets and receptacles which are fixed and not exposed to damage should be checked quarterly and also color coded.