SAFETY WALKAROUND CHECKLIST
HIGH VOLTAGE LINES

2001

Date Prepared: _____ By: _____

Project Name/No: _____ Location: _____

- ***Check the box if the statement is true.***
- ***Fill in the blanks where the***  ***appears.***
- ***Citations in brackets are from Title 8 of the California Administrative Code.***

NOTES

HAZARD IDENTIFICATION

☐ The company has a written Injury and Illness Prevention Program (IIPP) that meets all Cal/OSHA requirements. It includes identification of high voltage electrical hazards on the site, regular inspections, accident investigation, and correction of hazardous conditions. [1509]

NOTIFICATION AND RESPONSIBILITY

☐ Before any work begins **within** the minimum clearance distance of an overhead high voltage electrical line, the owner/operator of the line is notified. *(See page 2 for clearance distances.)* [2948]

☐ Any overhead line is considered energized unless the owner verifies it is not energized **and** the line is visibly grounded. [2946(d)]

☐ Work near energized overhead lines is done only by qualified persons unless steps are taken to guard against accidental contact. [2320.1(b)]

WARNING SIGNS

☐ There are signs in plain view on all cranes, derricks, power shovels, pile drivers, and similar machinery, reading as shown below. [2947]

UNLAWFUL TO OPERATE THIS EQUIPMENT WITHIN 10 FEET OF HIGH VOLTAGE LINES OF 50,000 VOLTS OR LESS

FOR MINIMUM CLEARANCES OF HIGH VOLTAGE LINES IN EXCESS OF 50,000 VOLTS, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 8, ARTICLE 37, HIGH VOLTAGE ELECTRICAL SAFETY ORDERS

NOTES

MINIMUM CLEARANCE

☐ Unless an overhead high voltage electrical line is de-energized and visibly grounded, nothing comes within the minimum clearance distance at any time. [2946(b)(2) and (3)]

Clearances from Energized High Voltage Lines		
Nominal Voltage (Phase to Phase)	**Clearance for People and Most Equipment**	**Clearance for Lifting and Hoisting Machinery**
600 50,000	6 ft.	10 ft.
over 50,000 75,000	10 ft.	11 ft.
over 75,000 125,000	10 ft.	13 ft.
over 125,000 175,000	10 ft.	15 ft.
over 175,000 250,000	10 ft.	17 ft.
over 250,000 345,000	10 ft.	21 ft.
over 345,000 370,000	16 ft.	21 ft.
over 370,000 550,000	16 ft.	27 ft.
over 550,000 750,000	16 ft.	42 ft.
over 750,000 1,000,000	20 ft.	42 ft.

[2946, Table 1 and Table 2]

Use the table above to determine required minimum clearances on this job site. If voltages are different on different parts of the site, list them separately for each area.

Area on Site	Line Voltage	Clearance for People and Most Equipment	Clearance for Lifting and Hoisting Machinery

NOTES

- ☐ Tools, machinery, equipment, supplies, materials, or apparatus are stored beyond the required clearance distance from overhead high voltage electrical lines. [2946(b)(4)]
- ☐ Workers and/or their equipment or materials are never over or above an energized overhead high voltage electrical line. [2946(b)(1)] (For tower crane exceptions see [2946(b)(1)(B).)
- ☐ Calculation of clearance distances from overhead high voltage lines takes into account possible line movement due to strains on the supporting structures or attachments. [2946(c)]

PERSONAL PROTECTIVE EQUIPMENT AND FIRST AID

- ☐ Workers exposed to possible electric shock are provided and use suitable protective equipment or devices, such as insulated rubber gloves. [1518]
- ☐ Workers exposed to possible electric shock or burns are provided and use approved head protection. For under 600 volts, head protection meets the requirements for Class A or B in American National Standards Institute (ANSI) standard Z 89.1 1986, *Requirements for Protective Headwear for Industrial Workers*. For over 600 volts, head protection meets the requirements for Class B. [3381(b) and (d)]
- ☐ First aid equipment is available. There are personnel trained in first aid on-site. The site also has an effective communication system for contacting help. [1512(b), (c), and (e)]