

Job site: _____
 Foreman: _____

Date: _____
 G.C. _____

SMOHIT Safety Sense
 Toolbox Talks for the Sheet Metal Industry

Neon Safety

- Neon light signs consist of a vacuum-tight glass tube, fitted at each end with an electrode. Inside the tube is a small amount of rare gas. Connected to the two electrodes is a source of high-voltage electrical power. When the current is turned on, the tube glows with a steady piercing light.
- When working with neon signs:
 - Place the glass neon tubing in a protective rack while it is cooling.
 - Do not touch electrical leads when the current connected to them is "on."
 - Bombarding is a one-man operation. Keep other workers at least five feet away from the high-voltage main bombarding transformer.
 - Turn the bombarding transformer and main power switch to "off" when not in use.
 - Wear filtered goggles or shaded glasses when pumping neon.
 - Wear leather gloves when handling neon signs that have been wired, that have sharp corners, or that have screws protruding from the sign frame.
 - When handling fluorescent lamps, carry only one lamp at a time in each hand.

Instructor Tips

- **Ask workers if they have ever worked with neon and have them discuss their experiences.**

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