

The EPG Connection

Your Resource for Landfill, Environmental, and Industrial Solutions!



June 2021 Issue No. 131

In observance of Independence Day, our office will be closed July 5th.

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Arc Flash - Focus on Safety

Throughout our industry, both in manufacturing, installation and operation, safety is a major concern. One of the greatest hazards facing those in the field today is Arc Flash.

Arc Flash is basically an explosion of energy often times resulting in severe injury and damage to equipment. The costs of medical treatment and equipment repair or replacement due to these incidents can be great. It is more important than ever that employers be diligent in their effort to provide a safe working environment. Both OSHA and NFPA codes outline regulations and

Specifically, OSHA regulations address the need to employ safety related work practices for prevention of electric shock and other injuries caused through both direct and indirect

to protect employees from hazards such as Arc Flash.

requirements for employers to assist them in compliance and

electrical contact. The NFPA requirements identify actions that employers must engage in to reach compliance. These actions include safety programs, providing personal protective equipment (PPE), employee training, proper tools for working safely, warning labels and



For more information regarding the dangers of Arc Flash, prevention of incidents and compliance visit the following websites: www.osha.gov (OSHA code 29)

www.nfpa.org (NFPA 70)

Anatomy Of Arc Flash

threatening.

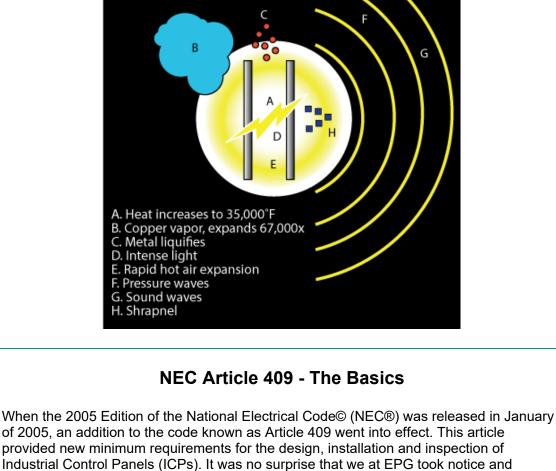
Arc Flash Hazard Analysis.

Intense heat can severely burn skin or ignite clothing resulting in additional burns. The intense heat can also liquefy metal and the blast can launch this molten metal into the air causing physical trauma. Vaporized copper and other materials create a "toxic smoke" contaminating the air and potentially being inhaled by those in its path.

Arc Flash can be described as an immediate release of energy or more simply a "ball of fire". The amount of energy released during a flash can vary but, in most cases, will be extremely destructive to the equipment and physically harmful to those personnel nearby.

The resulting injuries from such extremes can be quite serious and possibly life

- Intense light and sound waves can damage vision and hearing.
- An enormous pressure wave has the ability to rupture ear drums or collapse lungs. The force can also be great enough to knock a person down or throw them into
- nearby equipment or structures causing additional injury. The explosion can be strong enough to cause shrapnel to project away from the
- source and inflict injuries to anyone close by.
- Anatomy of Arc Flash



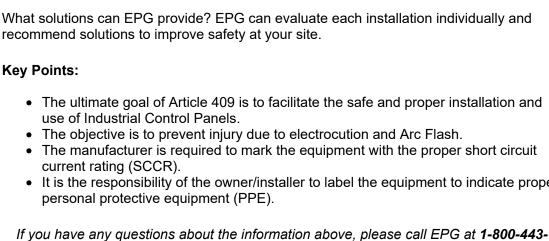
importantly, safe equipment. We will try to provide you with a basic understanding of this new article and encourage you to educate yourselves to insure that your facility is in compliance and operating under the safest conditions possible.

immediately began to identify how this would impact our design and manufacturing process and what affects these new requirements would have on our current and future customers. We wanted to be certain we were providing reliable, high quality and most

Article 409 states "This article covers industrial control panels intended for general use and operating at 600V or less." One significant item to note is how the control panel is to be marked for its short circuit current rating (SCCR). In the past, control panels were rated based on their individual withstand potential. Now, the SCCR must be based on the highest withstand potential, taking into account the potential load of the entire circuit ahead of the panel itself. What is EPG doing to comply?

All of EPGs UL 508A control panels will be marked with the Short Circuit Current Rating (SCCR). This information will be found on the control panel's serial number label. This will indicate to the owner and/or installer how much short circuit current the panel power

It is the responsibility of the owner and/or installer to understand the proper level of Personal Protective Equipment(PPE) required to work with or service control panels under powered conditions. It is also the responsibility of the owner and/or installer to label all equipment with these requirements. PANEL MODEL: L925PT SERIES CODE: NA



components can withstand.

VOLTS: 230VAC

TOTAL AMPS (PANEL): 13.81

PANEL IS TO OPERATE PUMP:

SERIAL NO: XX-XXXX

PH: 1

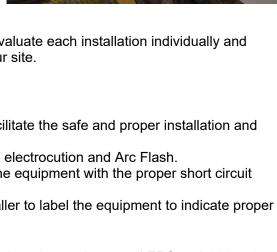
SHORT CIRCUIT CURRENT RATING:15K AMPS RMS

MOTOR: HP: 2 VOLTS: 230VAC PH: 1 FLA: 10.0

19900 Co. Road 81, Maple Grove, MN 55311 PHONE: 1-800-443-7426

ENCLOSURE IS RATED: NEMA 4, UL TYPE 4

HERTZ: 60



This list of events is updated each month. We will do our best to keep the list accurate when published.

> Aug 16-18 Wyoming Solid Waste & Recycling Conference Saratoga, WY (The Reich Co. Exhibiting) Sep 7-9 Arkansas SWANA Conference

Jul 11-13 Missouri Waste Control Coalition Conference Ozark Beach, MO (The Reich Co. Exhibiting)

7426.

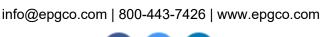
Industry Events

Springdale, AR (The Reich Co. Exhibiting) Sep 15-17 Louisiana Solid Waste Assoc. Conference

Lafayette, LA (The Reich Co. Exhibiting) Oct 5-7 Kansas SWANA Solid Waste Mgmt. Conference

Mulvane, KS (The Reich Co. Exhibiting) Nov 1-3 SWANA Colorado Conference

Boulder, CO (The Reich Co. Exhibiting) **Nov 4 ESD Solid Waste Technical Conference** East Lansing, MI (EPG Exhibiting)



View as Webpage

