




REUTER HANNEY

THE ELECTRICAL
POWER SPECIALISTS

ARC FLASH...

ARE YOU IN
COMPLIANCE?



**Do you need to implement an Arc Flash Hazard Program immediately?
Reuter Hanney is now performing
Arc Flash Hazard Analysis.**



FREQUENTLY ASKED QUESTIONS?



What is an Arc Flash?

An arc flash is the result of a rapid release of energy due to an arcing fault between a phase bus bar and another phase bus bar, neutral or a ground. An arc flash can generate over 5,000° F in under a second.

What would cause an Arc Flash?

Anything that causes a short circuit; such as, dropped tools, accidental contact with live parts, build up of conductive dust, deteriorating equipment, etc.

What happens during an Arc Flash incident?

An enormous amount of concentrated radiant energy explodes outward from the faulted electrical equipment that creates pressure waves, a high intensity flash and a superheated ball of gas. Tools, damaged equipment and other objects can also be thrown through the air during an incident.

What are the code requirements?

The NEC (110.16), IEEE 1584 and NFPA 70E-2009 require the proper labeling of electrical equipment that is likely to be worked on while energized. Labels are meant to warn qualified persons of the potential arc flash hazards and to aid in the selection of flame resistant clothing and other personal protective equipment (PPE). All personnel operating or working on electrical equipment must be equipped with the appropriate PPE.





OSHA considers NFPA 70E a consensus industry standard for assessing Arc Flash standards.

As an employer, it is your responsibility to:

- Assess hazards in the work place
- Have and use the correct PPE (personal protection equipment) for your workers
- Document the assessment

OSHA considers Arc Flash assessments that follow NFPA 70E to be in compliance with OSHA requirements and the accepted practice to protect workers from electrical safety hazards.



WARNING

Arc Flash and Shock Hazard Appropriate PPE Required

24 inch Flash Hazard Boundary

3 cal/cm² Flash Hazard at 18 inches

1 PPE Level, **1 Layer 6 oz. Nomex, Leather Gloves Faceshield**

480 VAC Shock Hazard when **Cover is removed**

42 inch Limited Approach

12 inch Restricted Approach - **500 V Class 00 Gloves**

1 inch Prohibited Approach - **500 V Class 00 Gloves**

Equipment Name: MIDWEST

CALL TODAY FOR YOUR QUOTATION.

In PA: 215-364-5333

In MD: 410-297-9566

In VA: 703-263-7163



Since 1978, Reuter Hanney has been providing electrical testing, engineering and infrared scanning services to industrial, commercial and institutional facilities throughout the Mid-Atlantic region. Over the years our consistent reliability, superior customer service, technical expertise, and fast response is a commitment we take very seriously. At Reuter Hanney, our primary goal is keeping the confidence of customers...by keeping their electrical distribution systems safe and operating at peak efficiency, year in and year out.

Services & Capabilities

- Preventative & predictive electrical testing services
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Corporate Office

Northampton Industrial Park
149 Railroad Drive
Ivyland, PA 18974
Tel: 215-364-5333
Fax: 215-364-5365

Maryland Office

1371 Brass Mill Road, Unit E
Belcamp, MD 21017
Tel: 410-297-9566
Fax: 410-297-9984

Virginia Office

4270-I Henninger Court
Chantilly, VA 20151
Tel: 703-263-7163
Fax: 703-263-1478

www.reuterhanney.com



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