



Meeting Notes: 11/20/2015

Presenter: Markin Dorman National Safety Apparel

Mr. Dorman has always been in safety first with a family owned business, then in product development for his current employment, then transitioning to sales.

Attending:

Jodie Ciccarello, Safety Products

Janine Bain, Goodwill Industries – ***Thank you Janine for doing the minutes!***

Todd Stetson, Tech Data

Neville Walters, Popeye's Chicken

Joan Spencer, OSHA

Joe Halle, Hillsborough County

Jeff Brockman, Hillsborough County

David Johnson, JH Hamm Engineering

Scott MacDonald, Harrell's

David Placensio, Commercial Roofing

Ed Chase, United Safety Council

Jim Ulseth, USF Safety Florida

(If we've left you out, we apologize and please let us know you were present).

Topic today is NFPA70e – standard for electrical safety in workplace regarding apparel. His company complies with the regulatory requirements for apparel listed in 70e and manufactures to those requirements.

The 2015 edition in effect – what's new?

Arc Flash – is an arching fault, resulting in a rapid release of energy, copper becomes vaporized, expands with 100's of pounds of pressure per square foot. There is a standard of minimum performance for clothing. There must be a hazard assessment to identify the clothing needed. Don't forget that a blast includes sound too. David: copper comes out as bbs, blasting out of the cabinet. Be sure to stand to the side of it to avoid the direct blast. The heat can be tremendous. Clothing with buttons can be blown apart.

New standard calls for flap over buttons for outerwear. Speeds of >700 mph.

NFPA is an international non-profit trade association established in 1896 to reduce the worldwide burden of hazard identification by providing consensus codes & standards. Note they are voluntary

consensus standards – they should be thought of as a best practice standard. Also note they can be cited by OSHA.

Joan – changes in OSHA standards specifically state “conform to NFPA”.

NFPA 70E safety related maintenance requirements and other admin controls are new. Documents are in 70E for meetings with sub-contractors on your property. It is now responsibility of the deed owner of property to ensure this takes place. Table 137C shows apparel requirements. ASTM standards are followed. Garment manufacturing is done by National Safety Apparel but they use materials supplied by others. Videos on fabric testing were shown. Protection is stated as calories. CAL – 8 calories of protection 50% probability of 2nd degree burn. New item available now is an arc suppression blanket. It is designed to hold back an arc. It is made of flame resistant materials w/Kevlar in middle. Need Kevlar straps to tie in place so straps don't bust. David – underground use of blanket in vaults.

Once power goes outside, under control of T&D co – anything inside is bldg. owner.

New definitions are in the current version.

Scope change - NFPA 70E safety related maintenance req & other admin controls (new).

No bare hand work. ASTM F1449 industrial laundering ASTM F2757 home laundering requirements.

No fabric softener – it is petroleum based and will void the protection. No bleach. NFPA70e is focusing more on risk. Level 0 is taken away, if no hazard, no need for apparel. New PPE tables. No specified labeling req based on standards – looking for uniformity. David: tags/labels/thread should be FR rated.

All National Safety Products items components are FR rated. Ex: NASCAR racing suits.

Coverage – new standards to have all openings fastened, 100% coverage of body. Button the top button of the shirt. Head protection has changed to tighter requirements. Balaclava often needed now.

Boundary notification should be readily apparent at the site of a potential arc flash. There is a distinction between qualified & unqualified persons. Prohibited approaches are eliminated.

There is a new task based table for required PPE - table 130.

New tables require PPE when incident energy less than 4cal?

No, greater than 1.2 cal needed

Wear 40 cal rated balaclava & goggles?

Not specifically excluded but old language remains in standard (beekeeper hoods).

Annex H – kits Level 2 & 4 kits will meet requirements 99% of jobs listed in standard.

David – clothing with fans built in. Cut down energy exposure until you can dress down to work on the equipment.

ASTM1506 has the labeling requirements. NFPA70E does not contain requirements.

Samples were passed around and there was a general discussion of some of the features of the products. Mr. Dorman made note of some of the suggestions.

A short business meeting was held.

The December meeting will be our annual holiday dinner at Macaroni Grill in Brandon on Dec. 18th. We will meet at 11am. Safety Products is conducting a toy drive and if you would like to donate new, unwrapped toys, they will be collected.

Joan advised that with the new budget, an old law has been discontinued. It is anticipated that OSHA will revise their fines to coincide with the Consumer Price Index resulting in a 70% to 80% possible increase.

NFPA 350 the How To on confined spaces will be released shortly.

On permit required confined spaces, be aware of the changes. David: He always makes sure the local fire dept. knows when work is taking place and that heavy ops rescue might be needed.

The meeting was adjourned.