DISINFECTION & SANITIZATION OF STRUCTURAL FIREFIGHTER PPE EXPOSED TO COVID-19

APRIL 8, 2020
Today’s Presenter

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Agenda

General Guidelines
  a) NFPA 1851 2020 Ed.
  b) PPE User Guides
  c) EPA-Approved Sanitizer List

Disinfection & Sanitization

User Checklist
General Guidelines

NFPA 1851 Standard – 2020 Edition
* Basic Definitions of Cleaning, Sanitization & Disinfection
* Specialized cleaning, sanitization & disinfection
* Impacts of using high temperature wash and impacts of repeated laundering at high temperature

Manufacturer’s User’s Guides
* Seek advice from the manufacturer on appropriate cleaning agents, sanitizers, or disinfectants and processes if not addressed in the instructions

EPA-Approved Sanitizer List
* A laundry sanitizer with EPA registration should be used
* Any sanitizer chosen should also have its SDS checked against the requirements in NFPA 1851
* Any product containing chemicals such as Sodium Hypochlorite, Ethanol or Isopropanol should not be used
* According to their SDS’s, the following products meet the guidelines of NFPA 1851 and should not harm turnout gear if used as directed: Maquat 128-MN, Maquat 64-NHQ, SC-NDC-128, Teccare Control & CleanSmart. Again, we cannot make any definitive claims regarding their effectiveness on COVID-19.
Disinfection & Sanitization Procedure

Bag & Seal Gear, Contact Verified ISP
- Bag, seal and isolate exposed gear in biohazard bag. (One set of gear per bag.) Spray outside of bag with anti-viral/anti-bacterial spray.
- ISP must be notified of any exposed or potentially exposed gear coming into their facility
- Exposed gear cannot be shipped via FedEx, UPS, USPS – must be picked up by ISP or dropped off by dept.
- If ISP is not nearby and disinfection & sanitization will be taking place in-house, proceed to next step.

Don Proper PPE
- Proper PPE should be donned by personnel handling the exposed gear
- Spray outside of bag with anti-viral/anti-bacterial spray

Decontamination
- Submerge bag with gear inside in a decontamination barrel containing a solution of EPA-approved sanitizer
- While submerged, open the bag in order for the gear to become completely saturated
- Set timer according to soak time listed on sanitizer instructions
- Remove garments from barrel
- Separate liners from outer shells in order to be laundered separately.

Advanced Cleaning
- Complete Advanced Cleaning per NFPA 1851 2020 Edition requirements
Don’t Forget Hard Goods & Soft Goods Such as Gloves & Hoods!

Hard goods such as helmets, boots & goggles should be placed in a separate red bag from turnout coat & pants. Spray bag with same anti-viral/anti-bacterial spray, then follow decontamination barrel instructions.

Gloves, hoods & suspenders can be included in the same bio-bag with the turnout coat and pants.
Use as a tool to ensure correct steps are being taken to sanitize and disinfect exposed or potentially exposed gear.
Additional Resources

- Additional resources, as well as a copy of this presentation can be found on our LION COVID-19 Resources Page - https://www.lionprotects.com/covid19
- If you have additional questions, please complete the form on the webpage and someone will promptly get back to you.
- If you need to contact a LION TotalCare facility, please refer to the TotalCare Service Map, which you can also find on the COVID-19 Resources Page.