

**BULLETIN**

**NO.:** 22-110  
**DATE:** July 14, 2022  
**TO:** All Personnel  
**FROM:** David Picone, Battalion Chief, Health and Safety Officer  
**SUBJECT:** PPE Cleaning Program- Update

In partnership with the Logistics Division, the Health and Safety Office (Cancer Awareness and Prevention Program) is implementing the remaining Speed Queen (Quantum Series) Pre-Programmable Washer/Extractors. These additional extractors were purchased through the awarded \$108,000 FY2020 Assistance to Firefighter Grant (AFG). Over the next several months, the new extractors are being installed in the designated Fire-Rescue facilities. The remaining stations that require washers will be prioritized.

Background information: The National Fire Protection Agency (NFPA) assembled a cadre in 2017 to develop consistent and advanced techniques to address PPE maintenance. The NFPA 1851 Standard was revised in 2020 to include the following changes. The cadre was named "How Clean is Clean." Their research and development concluded that PPE needs to be cleaned under specific wash settings, including (soaking in detergent/water, water temp not to exceed 105F, a spin cycle not to exceed 100 g's of force, and more). Included in the revised changes are to discontinue top-load extractors for PPE cleaning.

Please refer to the Post Fire Gross Decontamination Video in the health & safety app (Cancer Resources tab) for specific cleaning instructions. See the QR code below to download the app with additional helpful resources.



Don't hesitate to contact the Health and Safety Office at [SDFDHealth&Safety@sandiego.gov](mailto:SDFDHealth&Safety@sandiego.gov) with comments or areas of improvement. For all other questions, contact HSO4/Engineer Kyle O'Neill at [koneill@sandiego.gov](mailto:koneill@sandiego.gov).



**Wellness Resources QR code:**  
login: sdfd password: wellness  
or call toll free **833-SDFD-HSO (733-3476)**





OFFICE



## PPE Washer Instructions

1. Use universal precautions - gloves, eye protection, etc.
2. Separate the outer shell from the inner liner. Heavily soiled or spotted areas shall be pretreated.
3. Fasten all closures on coat and pants.
4. Inner liners and hoods should be washed together, followed by a separate wash for the outer shell/shells.
5. Optimal cleaning is achieved when the machine is fully loaded. (i.e., two sets of inner shells or two sets of outer shells). **DO NOT OVERLOAD OR UNDERLOAD**
6. CitroSqueeze Detergent
  - ✓ Add 2oz to Pre-Wash
  - ✓ Add 4oz to Main-Wash
7. Select the proper function for the pre-programmed PPE Wash Cycle: **Select Any > Normal > Warm.**
8. The PPE wash cycle is 86 minutes. Inspect PPE and rewash as needed.
9. Do not machine dry PPE. Air dry out of the sunlight. UV can damage the PPE.



# PPE Washer Instructions



All washers have a pre-programmed PPE wash cycle. To select the PPE wash cycle, utilize the following steps: There are three available selections: **Soil, Cycle, and Temp.**

➤ **PPE Wash Cycle Selections:**

**CitroSqueeze Detergent**  
**Add 2oz to Pre-Wash**  
**Add 4oz to Main-Wash**

1. **Soil Select > Any**
2. **Cycle Select > Normal**
3. **Temp Select > Warm**

➤ **Sanitation Cycle (Empty load between PPE and Non-PPE)**

- Add 1/4 cup of bleach**
1. **Soil Select > Any**
  2. **Cycle Select > Normal**
  3. **Temp Select > Hot**

**Non-PPE All other functionality is available**



## Detailed PPE Cleaning Instructions

1. Use universal precautions- gloves, eye protection, etc.
2. Perform Detailed Cleaning in the deep sink before extractor cleaning.
3. Use CitroSqueeze spray or a small amount on a soft rag
4. Clean the following PPE components:
  - ✓ Helmet
  - ✓ SCBA Face Piece
  - ✓ Gloves
  - ✓ Boots
  - ✓ Etc.