Battelle Critical Care Decontamination Systems (CCDS™) for Decontaminating and Reusing N-95 Respirators-Orientation

Preservation Supply Chain Working Group
Healthcare Resilience Task Force, and Supply Chain Task Force

21 April 2020
FDA Issued Emergency Use Authorizations (EUA) for Decontaminating N-95 Respirators

- Battelle Critical Care Decontamination System (CCDS™)
- STERIS V-PRO1 Plus, maX and maX2
- Stryker Instrument’s Sterizone VP4 Sterilizer
- ASP STERRAD 100S, NX, and 100NX Sterilization Systems
Reduce
Think of ways to **reduce your use** of PPE.

Reuse
Implement ways to **safely decontaminate and reuse** PPE.

Repurpose
Use alternative **types or sources** for PPE.
Battelle CCDS™ Equipment Overview

- 20’x8’x8’ Conex Containers (8 Total)
- 4 Decon Shelters (or Chamber Loads)
- Incoming Shipment Container
- Outgoing Shipment Container
- 2 Storage Containers
Battelle CCDS™ – What It Can Do to Preserve N-95 Respirators

- Implements reuse strategy until new N-95 respirator supplies can meet the demand

- Uses vaporous hydrogen peroxide to decontaminate N-95 respirators for re-use (up to 20 times per respirator per decon cycle);
Battelle CCDS™ – Who is Eligible to Have Their N95 Respirators Decontaminated for Reuse?

Healthcare Personnel (HCP)
- Refers to all paid and unpaid persons serving in healthcare settings who have the potential for direct or indirect exposure to patients or infectious materials, including bodily substances, contaminated medical supplies, devices, and equipment; contaminated environmental surfaces; or contaminated air.
- Hospitals, nursing homes, dialysis centers, assisted living facilities, clinical laboratories, Emergency Medical Services (EMS), private practice/outpatient facilities; and others

Non-Medical Personnel Participating in Emergency Response to COVID-19
- Not limited to:
  - Law enforcement;
  - Fire departments/hazardous materials;
  - Public health departments;
  - Emergency management agencies;
**Battelle CCDS™ Process**

**HEALTH CARE PROVIDER SIGN-UP PROCESS**

**Battelle CCDS Critical Care Decontamination System™**

1. **Sign up with Battelle**
   - Visit battelle.org/decon to fill out the enrollment form
   - Battelle emails enrollee links to the enrollment contract, instructions, and the Battelle POC

2. **Contact Us to Get Your Code**
   - Enrollee signs contract and contacts Battelle POC to receive their 3-digit codes for each facility

3. **Properly Label Respirators**
   - Once the 3-digit codes are received from Battelle, enrollee collects N95 respirators
   - N95 respirators must be unsoiled (free of blood, mucus, make-up, lip balm, etc.) and labeled with a permanent marker
   - Enrollee collects all N95 respirators into a single plastic bag
   - Once the plastic bag is filled, tie off the bag and put it into another plastic bag

4. **Collect & Bag All N95 Respirators**
   - Clean the outside bag with disinfectant
   - Shipping box must be labeled with the 3-digit code and a biohazard sticker
   - Enrollee contacts their chosen logistics provider to coordinate pick-up and delivery of their N95 respirators
   - Enrollee can either use a logistics provider of their choice or Battelle’s preferred logistics provider

5. **Properly Package**
   - Your shipments are barcoded to ensure chain of custody
   - Your N95 respirators are processed and then verified to ensure they are free of contaminant
   - Your decontaminated N95 respirators are returned to your facility

6. **Ship to CCDS Site**

7. **Decontaminated & Returned**

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Follow Battelle’s instructions (www.battelle.org/N95)

- Instructions for Healthcare Personnel
- Instructions for Healthcare Facilities
- HCP – Fact Sheet

Important Tip: All N95s must be labeled correctly and be free of blood, mucus, makeup, etc;

Visit www.battelle.org/N95 or contact Battelle point-of-contact (POC) directly;
### Current Locations as of 20 April 2020

<table>
<thead>
<tr>
<th>Location</th>
<th>State</th>
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<tbody>
<tr>
<td>New York</td>
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<td>Brooklyn, NY</td>
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<td>Washington</td>
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<tr>
<td>Camp Murray, WA</td>
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### Planned Locations as of 20 April 2020

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<th>Location</th>
<th>Date</th>
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<tbody>
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<td>Houston, TX</td>
<td>22 April</td>
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</table>
Site Requirements if Organization Hosting Battelle CCDS™

- Indoor warehouse with conditioned air to 50-75 deg F, 30-50% relative humidity
  - Tented outdoor location with controlled air conditions acceptable;
- Semi-truck access for offloading containers
  - Forklift rated for 10,000 lbs, 68” spread to unload 20’ Conex
- Power Requirements:
  - Hardwired 208V/3-Phase/40 Amp with Neutral per CCDS™ decon shelter (4 total);
- Portable restroom with running water, toilet, washbasin, and shower facilities (to limit staff exposure to other areas of a facility)
  - If not available, a water connection required on-site;
- Access to biohazard waste streams to disposal of Battelle Teams’ PPE and client PPE that cannot be processed due to contamination.
- Ability to route exhaust outside from decontamination units
Contact

or (800)201-2011

State or Territories Desiring Battelle CCDS™
- Contact State/Territorial Emergency Management Agency to Submit Resource Request to FEMA