

STANDARD OPERATING GUIDELINE

VHP Decon



Department: Operations

SOG#242

Applicable to: All Staff

Effective Date: 1 Sept 2020

1 Pages

Authority: Health and Safety
Officer

Purpose:

The purpose of this Standard Operating Guideline (SOG) is to outline the process for utilizing a Vaporized Hydrogen Peroxide (VHP) dispenser for the purposes of decontaminating apparatus, gear sets, and PPE

Scope:

The scope of this document applies to all personnel participating in active road duties

Guideline:

1. Ambulance interiors and gear sets shall receive a full VHP decontamination 1x weekly at a minimum, as well as following the transportation of a patient with high suspicion or confirmation of highly contagious/infectious disease associated with droplet precautions, as well as intubated patients when feasible.
 - 1.1. Staff operating the VHP device shall be provided basic training in Mfg. specifications, intended uses, and basic operation.
2. Prior to activating the VHP, staff shall properly prepare the apparatus for VHP application
 - 2.1. All gross debris, dirt, garbage and the like shall be removed from the unit and disposed of appropriately as specified in the ECP.
 - 2.2. All cabinets, compartments, gear sets and kits must be opened. This will include the bench seat as well as the divider between the patient and driver compartment.
 - 2.3. Signage must be placed on the exterior of the apparatus on both the driver and rear door areas noting that: VHP is currently being applied and time of application.
 - 2.4. VHP decontamination shall be applied for 30 min. Once completed, staff should deactivate the vaporizer and wait 30 min for vapors to settle before approaching the area to begin dissipation of the VHP.
 - 2.5. Staff must don an N-95 respirator and glasses when opening the area for dissipation of VHP, and allow for a **minimum of 1hr** of dissipation, before spending prolonged time in the room/area. If possible, open exterior doors for greater ventilation. Any visible moisture remaining **following the 1hr dissipation period** should be absorbed with a towel, the towel then placed/discarded in the appropriate receptacle.
 - 2.6. The VHP device must then be drained and flushed with water. Remaining solution may be disposed of in any sink/drain. The reservoir tank is then filled to 1L mark with water,

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and run until the reservoir tank is empty. The VHP must then be returned to the designated storage area, as well as all signage.

3. Decontaminating PPE shall be conducted in a designated room/area, to allow for enclosure, ensuring high concentration and deep penetration into porous surfaces.

- 3.1 PPE must be hung and spread out in a manner preventing overlapping of materials. Masks and gowns should be hung from a “clothesline” or hung from a rack on a clothes hanger(s) when possible.

- 3.2 Signage must be placed on the entryway door to the designated room/area, noting the utilization of VHP, and time of application.

- 3.3 Time duration required for effective application of VHP to decontaminate PPE will vary depending on the size of the room/area designated, but should be no less than 30 minutes minimum.

- 3.4 PPE may be returned to service once dry.

- 3.5 The VHP device may now be cleaned and stored as designated in section 2.5 of this SOG.

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