



Memorandum

Date: March 20, 2020
To: All Personnel - Fire
From: Shawn De Jager
Assistant Deputy Chief
Subject: **Apparatus Cleaning Reminder and Additional Services**

Staff are encouraged to ensure extra attention is paid to maintaining and cleaning not only their station and personnel protective clothing and equipment but also the apparatus they work from. Additional disinfectant cleaning supplies have been arranged through facilities to be delivered to our fire stations in order to support this as well.

Outside of regular station duties, the following disinfection process has been established in the event of a Febrile Respiratory Illnesses-FRI, which would include a Novel Coronavirus (COVID-19) exposure.

Nocospray Atomizer Machine: Initial Decontamination - High Level Disinfection

Nocospray atomizer machines have been purchased which have the capability of disinfecting all areas within the cab of our vehicles and crew quarters (if needed with some exceptions) to assist in limiting the spread of all viruses. These devices have also been deployed by Hamilton Paramedic Services.

Training Bulletin 241 will outline the manufacturers recommended use of the machine including parameters on how, when, where and why to use on department facilities and/or department apparatus.

Training on the use of the device will also be set up through the Training Division.

The use of this device along with the standard application of disinfectants to the exterior of our apparatus would be the initial decontamination response in any instances of known or suspected COVID-19 exposure.

Mobile Disinfection Process - Supplemental or Scheduled Decontamination

A Third-Party vendor has been retained to complete mobile disinfectant cleaning/decontamination of the Department's Apparatus. At this time, these services are going to be utilized as follows:

- As a routine measure to ensure each HFD apparatus including support vehicles are "sanitized" on a regular rotation particularly during this current health crisis,

these services will be applied as vehicles are being sent in for regular maintenance or inspections through the Mechanical Division.

- If “supplemental” sanitizing/disinfecting is required in addition to the *Nocospray atomizer machines*- i.e. heavy soiling of surfaces that should be cleaned by a decontamination expert/team, this process can be arranged via the Platoon Chief and in consultation with the Deputy Chief of Operations.
- Contact information for this Third-Party Vendor will be supplied to the Communications and Mechanical Division.

The non-scheduled use of the Third-Party apparatus decontamination is going to be a supplemental response in addition to regular station duties or the application/use of the NocoSpray Atomizer as described above (high-level disinfection) to limit the spread of any infectious disease.

SD/kd

Attachment



HAMILTON FIRE DEPARTMENT TRAINING BULLETIN

NOCOSPRAY DISINFECTION SYSTEM



Opposite Side

NOCOSPRAY DISINFECTION SYSTEM disinfects all hard surfaces achieving a 99.9999% reduction of infectious organisms including *Clostridium difficile* (C. diff), Methicillin-resistant *Staphylococcus aureus* (MRSA), Norovirus and Coronavirus.

The NOCOSPRAY system uses a solution called NOCOLYSE and will not harm electronic equipment or leave a film.

NOTE * This is a disinfectant, not a cleaner

These units will be available for the disinfection of apparatus or stations should HFD members come in contact with an infectious agent. Follow the chain of command to start the process.

**NOCOLYSE**

Hydrogen peroxide silver nitrate solution for use with the Nocospray system

READY TO USE – DO NOT DILUTE

Directions: Solution ready to use; to be used only as part of the Nocospray Disinfection System.

Precautions:

- Avoid contact with eyes (if contact occurs, rinse eyes with a large amount of water)
- Avoid contact with hands. In case of contact with hands, wash thoroughly with water.
- Avoid inhaling Nocolyse vapor; leave room when Nocospray machine is in operation
- Store bottles at room temperature in upright position. Shelf Life: 2 years sealed; discard 2 months after opening

When disinfecting for viruses (MRSA, Coronavirus, Novavirus) set the dial on the machine to the volume of the area in cubic metres.

Directions For Use :

1. Close Windows and minimize ventilation by blocking any openings.
2. Place the NOCOSPRAY unit on an elevated surface with the nozzle aimed toward the centre of the area.
3. Calculate the room size in cubic metres. Length X Width X Height =?
(for fire apparatus, set the **VOLUME DIAL** to 50). See chart under the **VOLUME DIAL**.
4. Set the **VOLUME DIAL** on the side of the NOCOSPRAY to correspond with this number.
(for fire apparatus, set the **VOLUME DIAL** to 50).
5. Attach the bottle of NOCOLYSE to the dispenser tube.
Release spout using silver **RELEASE LEVER**. Pull straight out. Insert tube into NOCOLYSE bottle and screw to attach. Re-connect nozzle to machine.
6. Plug in the machine and turn on the **POWER SWITCH** located at the back of the machine.
7. Press the **START BUTTON** on the opposite side of the machine to the dial.
8. An audible alarm will sound for about 15 seconds giving you time to exit the area.
9. Close the door to enclose the area.
10. Unit will create a gas that will be slightly visible and will shut off when it is done.
(for fire apparatus with **VOLUME DIAL** set to 50 it should take 3-4 minutes)
11. **DO NOT ENTER THE AREA FOR 30 MINUTES**

Darrell Hicks
Chief of Training