

COVID-19 PREVENTION: ENHANCED CLEANING AND DISINFECTION PROTOCOLS

COVID-19 PROTOCOLS ENHANCED CLEANING AND DISINFECTION

In alignment with public health recommendations, Northern Kentucky University's facilities team is taking measures to prevent community spread of COVID-19, including enhanced campus cleaning and disinfection procedures. The Operations and Maintenance Department (O&M) has developed procedures for NKU to follow during the COVID-19 public health situation.

Please note the Enhanced Cleaning and Disinfection protocol is NOT a replacement for recommended personal safety measures. As members of the NKU community, we must continue washing hands with soap and warm water, social distancing, staying home with symptoms, wearing required face covering, cough and sneeze into elbows, not touching eyes, nose or mouth with unwashed hands and sanitizing hands with solutions having 60% or more alcohol.

RESOURCES

[NKU Moving Forward](#)

[CDC response plans for Institutions of Higher Education](#)

[CDC recommendations for confirmed or suspected cases of COVID-19 in healthcare settings](#)

[CDC recommendations for confirmed or suspected cases of COVID-19 in households](#)

[CDC cleaning and disinfecting to slow spread of flu](#)

[Considerations for Reopening Institutions of Higher Education in the COVID-19 Era](#)

[CDC Cleaning and Disinfection After Persons Suspected/Confirmed to Have COVID-19 Have Been in the Facility](#)

[Persistence of Coronaviruses on Inanimate Surfaces and their Inactivation with Biocidal agents](#)

Document Outline

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 - a. Overview
 - b. Safety Guidelines
 - c. Cleaning Procedure

1. PREVENTION - ENHANCED CLEANING

A. Overview:

- i. Increase the frequency of cleaning and disinfecting high-touch surfaces from once per day to a minimum of two times per day. These areas include restroom surfaces, elevator buttons, handrails, common doorknobs and pulls.
- ii. All instructional spaces and most office suites will be supplied with a disinfectant in a spray bottle along with a hand cloth for the occupying persons to use.
- iii. The University has ordered multiple electrostatic disinfectant machines that will be used to fog high traffic/touch point areas such as restrooms and elevators, once they are delivered to campus. *(currently on backorder)*
- iv. Wall mounted alcohol-based hand sanitizer will be available for use in high traffic areas throughout campus.

B. Safety guidelines for custodial staff engaged in enhanced cleaning:

- i. Wear gloves and pay close attention to cross contamination. Custodial staff will clean hands with soap and water immediately after gloves are removed.
- ii. Wear face covering as required by the University.
- iii. Follow Safety Data Sheet requirements.

C. Procedure – enhanced cleaning and disinfection:

- i. **NKU occupants using disinfectant**
 1. Clean surfaces and objects that are visibly soiled first. If surfaces are dirty to sight or touch, wipe clean prior to disinfection.
 2. Use NKU supplied and EPA-registered disinfectant (Buckeye E23 or Sani Spritz RTU). NKU's O&M staff will distribute premixed bottles throughout campus.
 3. Spray mist of the disinfectant on the hard surfaces that need to be disinfected such as tables, chairs, desks etc. Make sure the surfaces are visibly wet but not enough to cause the liquid to pool. Allow the disinfectant liquid to stay on the surface for ten minutes.
 4. After ten minutes, a paper towel can be used to wipe up excess undried areas or it is ok to let the surface air dry.
- ii. **NKU Custodial Staff**
 1. During enhanced custodial routine, custodians will disinfect high touch areas in buildings a second time. This is to include but not be limited to areas like common door handles, door pulls, elevator buttons, commode handles and faucet handles. During enhanced routine, custodians will pay special attention to replace or refill disinfectant bottles used by others occupying NKU spaces.
 2. At a minimum of once per day, all high traffic/high touchpoint areas, including restrooms and elevators, will be sprayed with electrostatic disinfectant.

3. If a COVID-19 case is confirmed in the NKU community, follow the guidance below:
After Notification of a Confirmed Case of COVID-19 - Enhanced Cleaning and Disinfection is outlined in this document in section 2.

2. AFTER NOTIFICATION OF A CONFIRMED CASE OF COVID-19 - ENHANCED CLEANING AND DISINFECTION

A. Overview

- i. This protocol is for the disinfection of areas where a person with COVID-19 spent time in University spaces. It is applied *from 48 hours prior to the onset of symptoms until seven days have passed* since the person was present in a University space. This is in accordance with CDC and local requirements.
- ii. Spaces where a COVID-19 positive person spent time will be assessed on a case-by-case basis. The cleaning scope will be developed, and implemented based on the risk of potential contamination as determined by the Operations and Maintenance team with close coordination with Safety and Emergency Management, the impacted department, and Housing/Food Services, if applicable. Communication of the cleaning scope and timeline will be shared between Operations and Maintenance, Safety and Emergency Management, the impacted department and Human Resources.
- iii. After notification of a person with confirmed COVID-19 on NKU's campus, the following cleaning and disinfecting protocol will be followed. Please note - if it has been more than 7 days since the person with suspected/confirmed COVID-19 visited or used the facility, additional cleaning and disinfection is not necessary.

B. Safety Guidelines

- i. Prior to beginning cleaning and disinfection and immediately after confirmation that a confirmed case was present, cordon off the effected space and wait 24 hours.
- ii. O&M management will confirm that Safety and Emergency Management has notified the Health Department of a positive tested person on campus.
- iii. Identify areas that require restricted access during and immediately following enhanced cleaning, if applicable.
- iv. Operations and Maintenance team will confirm in writing the scope of cleaning and timeline with Covid-19 Response team, Safety and Emergency Management, and the impacted department.
- v. Custodial staff assigned to cleaning and disinfecting this area are required to wear proper PPE which includes disposable gloves, a surgical style face covering and safety glasses/goggles when there is a potential for splashing.

C. Procedure

- i. If possible, open windows to the outside to increase air circulation.
- ii. Place signage outside of space being disinfected (do not enter, cleaning in process).
- iii. Clean surfaces and objects that are visibly soiled first.

- iv. Trained custodial staff will use a Clorox 360 system to disinfect with electrostatic charged disinfectant solution.
 - 1. With the sprayer nozzle approximately 2–4 feet away from surfaces, spray individual surfaces and objects, working from high to low areas using a slow, side to side motion until surfaces are covered with disinfectant.
 - 2. When using Clorox Total 360 Disinfectant Cleaner¹, spray surfaces to ensure visible wetness for the desired contact time of 10 minutes.
 - 3. Wiping is not required to ensure surface disinfection; however, you may choose to wipe specific surfaces to polish them (e.g., glass, mirrors) or to remove visible residue after the contact time is achieved.
 - 4. The space can immediately be occupied after treatment is complete.
 - v. Once area is sanitized, O&M Management will communicate in writing to confirm the scope of cleaning is complete and access is no longer restricted.
- D.** If it is determined by O&M Management due to custodial staffing that an outside contractor is needed to support disinfection of contaminated spaces, the same process and agreed to scope of work would be fulfilled. If a different type of electrostatic cleaner is utilized, contractor would be required to submit SDS documents along with confirmation of training for persons completing the disinfection. Application methods must be reviewed and approved by O&M and Safety and Emergency Management prior to work commencing.