

August 2020

Disinfection Plan, Yinghua 2020-2021

Dan Carson, Yinghua Facility Manager

Equipment and Supplies

We will be using several different methods to clean and disinfect each day. We will be using two Victory brand electronic sprayers <https://victorycomplete.com/> to spray our disinfectants onto touch points (hand-rails, door knobs, light switches, desks, pencil sharpeners, etc.) between classes throughout the day in hallways, bathrooms, and other common areas.

For carpets, we purchased a new carpet extractor and have cleaned all the carpets in the school this summer. This machine is fast and easy to use which will allow us to clean any spills immediately. Additionally, we plan to perform more carpet cleaning during school-year down time such as Fall break, Thanksgiving Break, Winter Break, Spring Break, and even school conference days.

We will also use regular hand-sprayers, along with microfiber cloths, to clean between disinfection times during the school day. Once soiled areas are clean, disinfectants are more effective. We will use our laundry machines to clean the microfiber cloths in hot water with laundry detergent and bleach to ensure that they too are disinfected.

Cleaning and disinfecting times

We will be cleaning and disinfecting throughout the day every day. We are flexible and will adjust accordingly. We are also adding another member to the facility staff from our contracted cleaning vendor, MN Services, to be a dedicated cleaner and disinfectant of those high-touch areas to help us more efficiently cover more areas.

At night, MN Service is here to clean and disinfect. They have a set schedule on cleaning and disinfection, and Mr. Carson will continue to work with and have regular meetings with their supervisor to ensure that cleaning standards, along with disinfection protocols, are being met.

EPA-Approved Chemicals

<https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2-covid-19> The EPA has approved the chemicals we use for use against emerging pathogens; they are products currently used in hospitals and clinics. We have been using two of these products for years as they are proven products that kill a wide variety of bacteria and viruses.

We use three products, all of which are rated to kill SARS and Covid-19: **Oxivir TB**, **Virex II TB** (made by the same company, Diversey), and **pH7Q Dual** (from Betco). The newest one of these is Virex II TB. Each product is slightly different in pH--Oxivir is slightly acidic and is useful for removing water-deposit minerals from water faucets. pH7Q Dual is neutral and is best used on material that requires a neutral product (like plastics). Virex

II TB is alkaline and can remove slimy build ups that the other two products cannot remove; typically, hand soaps dish soap, and floor extractor soap are best removed with this product.

Following is information about the three products.

OXIVIR® TB

<http://www.diverseyvericlean.com/diversey-vericlean-system/products/disinfectants/oxivir-tb>

Kills SARS-CoV-2 (COVID-19 virus) in 1 minute. One-Step Hospital Grade Disinfectant Cleaner based on proprietary Accelerated Hydrogen Peroxide (AHP®) technology to deliver fast, effective disinfection and cleaning performance. In a simple, ready to use liquid.



- This hospital-grade disinfectant is formulated with Accelerated Hydrogen Peroxide technology to deliver fast-acting, broad spectrum disinfection with enhanced cleaning power.
- Virucidal, Bactericidal, Fungicidal, Tuberculocidal.
- Effective against 27 microorganisms including MRSA, VRE. Kills viruses such as Norovirus, H1N1, Human Coronavirus 229E, Influenza A, and Hepatitis C in 1 minute.
- Non-irritant, non-corrosive, non-bleaching, non-rinsing AHP formula.
- Active ingredient, Hydrogen Peroxide bio-degrades into oxygen and water.
- Disinfects hard surfaces.
- Sanitizes soft surfaces such as carpets, cushions, and curtains in 30 seconds.

Virex II TB

<https://diversey.com/en/product-catalogue/virex-tb-ready-use-disinfectant-cleaner-04743>



- Kills HBV and HIV-1 (AIDS virus) in one minute.
- Provides broad spectrum kill of gram positive and gram negative microorganisms, including Tb, MSRA, VRE, MRSE, HBV, HIV-1, Canine parvovirus and many more.
- Kills Tb in five minutes and all other bacteria in three minutes.
- Kills Norovirus in 30 seconds.
- Ready-To-Use formula provides excellent, cost-effective cleaning and disinfection in one step.

Betco pH7Q Dual

<https://www.betco.com/products/ph7q-dual/35504>

This concentrated multi-purpose, germicidal detergent and deodorant, disinfects, cleans and deodorizes in one labor-saving step. Recommended for use in hospitals, nursing homes, schools/colleges, commercial, and industrial institutions. Neutral pH formula is perfect for damp-mopping highly polished floors and will never dull, haze, or leave a film. Broad spectrum disinfectant kills staphylococcus aureus, pseudomona, salmonella, VRE, and MRSA.



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