

STORYLINES HEALTH & SAFETY: HEALTH EMERGENCY OR PANDEMIC PROTOCOL

Luxury Residential Community at Sea
Travel the world from the comfort of home

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STORYLINES HEALTH & SAFETY: HEALTH EMERGENCY OR PANDEMIC PROTOCOL

In the event of an infectious disease Health Emergency or Pandemic, Storylines has the following protocol in place to ensure that any Storylines ship is the safest place to be for its residents.

Precautionary measures include the following procedures. Order and variation may apply subject to the nature of the issue and recommendations from the World Health Organisation (WHO) and the Centre for Disease Control (CDC).



1. OUTBREAK PERIOD

- a. At the start of any known outbreak, Storylines will adjust the itinerary to avoid countries or regions with confirmed cases
- b. Personal safety procedures will be activated including additional health screenings
- c. Restrictions may be enacted on public and guest movements on and off the ship
- d. Additional medical and food stores provisioned
- e. Multiple procedures to lower touchpoints between people on board, crew and residents
- f. Encouragement of personal safety hygiene practices
- g. The itinerary may be further adjusted as outbreak areas become known
- h. Increase frequency and duration of Ozone, Hydroxyl and Ultraviolet air and surface cleaning in all areas including resident and crew spaces, common areas, food prep spaces and restrooms
- i. Isolation and hospitalization of any infected persons

2. HEALTH EMERGENCY PERIOD

- a. The vessel will be on lockdown; no new people to arrive onboard
- b. The vessel's residents will undergo any WHO recommended isolation periods
- c. Anyone who tests positive will quarantine within their residence and receive regular visits (or tele-med appointments) from the medical center's staff to monitor their condition. When anyone on the ship tests positive, ship-wide testing and contact tracing is conducted.
- d. When recommended by CDC or equivalent, high-risk passengers may be transferred to a qualified medical unit for recovery
- e. The ship is well stocked with masks if they become necessary
- f. The ship will relocate to a predetermined location
- g. The ship will stay at this location while the issue is being resolved and our residents will be free to carry on in their normal way
- h. The vessel may be able to navigate between local isolated islands or countries
- i. Residents will resume the ability to come and go subject to the requirements of the location we are based at during this time

3. DURING A PANDEMIC OR HEALTH EMERGENCY

- a. Vaccines will be made available on board as soon as they can be acquired
- b. Storylines will follow any international regulations for vaccine requirements that we are required to by law

4. POST-EVENT

- a. The captain and management teams will determine when it is safe to return to the regular itinerary. At that point, Storylines will resume its planned schedule



WHERE IS THE SAFEST PLACE TO BE DURING A PANDEMIC?

There has been a lot of press about cruise ships and health during the epidemic. People are concerned for their safety and that of their families. Understandably, it is the most basic human need.

Large pleasure ships, cruise ships, often contain 5000 guests, have large food buffets, and visit a new country every few days. The turnover of guests on a weekly basis is problematic. It's a constant battle against a tide of people, which certainly sounds appealing to a pandemic, as well as as to vacationers, and of course makes for great news stories when something goes wrong.

The new Storylines *MV Narrative* is a purpose-built ship for residential life, not a vacation cruise ship

Population density & demographic - *MV Narrative*, a residential ship, holds a fraction of the population of a cruise ship of the same size. This means far more open spaces and more room per person. A high percentage of balconies (87%) adds to the clean fresh air aboard. Additionally, Storylines is a residential community, not a temporary tourist destination with thousands of new people mingling each week.

Self governance - Living in Storylines' floating residential city means you have a voice - from only 1000 residents, not millions of citizens. You have a direct say in the decisions that protect your family, in a community that is able to react immediately to changing situations.

Mobility - With our modern highly interconnected world, it's apparent that the ability to disconnect is the fastest way to protect in times of crisis. Storylines *MV Narrative* can take us anywhere desired to escape local catastrophe, political instability, or localized health issues. Imagine the whole community self-isolating off the coast of a beautiful remote island nation surrounded by nature until it was safe to travel again.

Contamination - The prime source of travel belly sickness is the change in a travelers hand-washing routine when away from home. When you take your home around the world with you, your daily routine is no longer interrupted. Our ship has many dining options including outdoor seating and no buffets for cross contamination.

Hygiene - A new standard in HEPA air filtration throughout, and 'smart surfaces' prevent person-to-person contamination, making for a pollutant-free environment. As clean and safe as a land-based home.

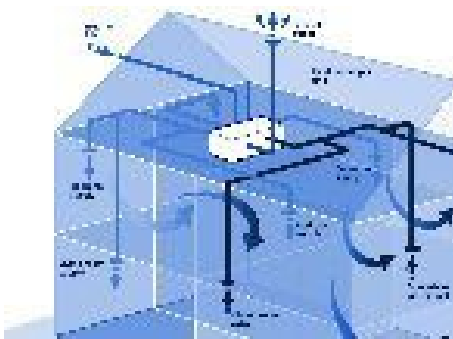
Reality check - Challenging times can get downright scary when our future is in the hands of politicians who need to be constantly re-elected. We can control our own destiny and that of our families by choosing the safest possible living accommodations. Storylines' state of the art air and surface purification systems make it an ultra sanitary community.

STORYLINES CLEAN AIR, SURFACE & WATER PROGRAM

Storylines' vessels aim to be the most hygienic in the industry by utilizing technologically advanced sanitation equipment as a standard health and safety precaution for our residents.

THE COMBINATION OF OZONE, ULTRAVIOLET, HYDROXYL AND PCO HYDROXYL GENERATORS UTILIZE GREEN TECHNOLOGY TO PROVIDE MODERN, SAFE AND EFFECTIVE METHODS TO KILL MOLD, BACTERIA & VIRUSES.

Hydroxyl generators improve indoor air quality by reducing 99.9% of viruses (including coronaviruses), bacteria (such as MRSA, Clostridium Difficile and E. Coli) and other pathogens. Hydroxyls not only clean the air, but soft and hard surfaces as well. This chemical-free technology increases the effectiveness of standard decontamination procedures. Hydroxyls combined with the additional technologies below will be used in areas of the ship with multiple people and visitors, providing maximum protection.



PUBLIC SPACES

- ✓ Ozone and hydroxyl technologies installed into ship heating, ventilating, and air-conditioning (HVAC) units
- ✓ Whole ship protection for public areas, dining rooms and hallways
- ✓ High dose night treatment for high-risk areas, such as bathrooms and kitchens, offering 24-hour protection



RESIDENCES

- ✓ In-room personal hydroxyl sterilization units
- ✓ Ultraviolet with or without ozone may be activated when the room is not occupied
- ✓ Rooms can be treated with ultraviolet and ozone prior to housekeeping arrival to ensure a clean work environment and no cross-contamination



SURFACES

- ✓ Aqueous Ozone is more effective than bleach, 100% safe for people, kills germs, and is entirely free from chemicals
- ✓ Used for surface areas such as upholstery, walls, floors, railings and fixtures
- ✓ Regular contaminant testing to spot potential infection areas to be treated

ADDITIONAL READING:

CDC Guidelines: [Appendix A | Isolation Precautions | Guidelines Library | Infection Control](#)
 CORONAVIRUS - Hydroxyls kill the Coronavirus and offer a helpful solution in controlling the outbreak

HYDROXYLNEWS

CORONAVIRUS – Hydroxyls Kill The Coronavirus And Offer A Helpful Solution In Controlling The Outbreak

🕒 February 3, 2020 👤 Hydroxyl 📄 Case Study, Hydroxyl news 💬 0

HGI Industries explains why and how this can take place in the two short white papers attached discussing the affects on the virus derived from direct relationships in past FDA testing.

“Considering that the FDA threshold for “efficacy” is a 2-3 log kill rate within 8 hours, the MDU/Rx™ treatment unit kill rate reductions of over 99.99% within one to two hours are exceptional. This reflects the fact that hydroxyls and the secondary organic oxidants they generate kill microorganisms by the physical process of attacking the chemicals in their cell walls.”

Global Coronavirus Outbreak 2020

<http://www.hydroxylnews.com/hydroxyl-news/coronavirus-hydroxyls-kill-the-coronavirus-and-offer-a-helpful-solution-in-controlling-the-outbreak/>

Surface Cleaning - Aqueous Ozone is chemical-free so doesn't require the same training as hazardous chemicals. EN13967 and EN1276 verified, so you can use it in all foodservice areas. <https://purozo.co.uk/how-it-works/>



Oxygen is converted into ozone then combined with the stabilised water to create Stabilised Aqueous Ozone.

Molecules in the cleaning solution are attracted to bacteria and dirt, destroying them upon contact.

The SAO™ cleaning solution then reverts safely back to water and oxygen.

NCBI Resources How To

PubMed.gov
US National Library of Medicine
National Institutes of Health

Int J Hyg Environ Health. 2018 Apr;221(3):479-486. doi: 10.1016/j.ijheh.2018.01.012. Epub 2018 Feb 1.

Differential removal of human pathogenic viruses from sewage by conventional and ozone treatments.

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Author information

Abstract
Sewage contains a mixed ecosystem of diverse sets of microorganisms, including human pathogenic viruses. Little is known about how conventional as well as advanced treatments of sewage, such as ozonation, reduce the environmental spread of viruses. Analyses for viruses were therefore conducted for three weeks in influent, after conventional treatment, after additional ozonation, and after passing an open dam system at a full-scale treatment plant in Knivsta, Sweden. Viruses were concentrated by adsorption to a positively charged filter, from which they were eluted and pelleted by ultracentrifugation, with a recovery of about 10%. Ion Torrent sequencing was used to analyze influent, leading to the identification of at least 327 viral species, most of which belonged to 25 families with some having unclear classification. Real-time PCR was used to test for 21 human-related viruses in inlet, conventionally treated, and ozone-treated sewage and outlet waters. The viruses identified in influent and further analyzed were adenovirus, norovirus, sapovirus, parechovirus, hepatitis E virus, astrovirus, pecovirus, picobirnavirus, parvovirus, and gokushovirus. Conventional treatment reduced viral concentrations by one to four log₁₀, with the exception of adenovirus and parvovirus, for which the removal was less efficient. Ozone treatment led to a further reduction by one to two log₁₀, but less for adenovirus. This study showed that the amount of all viruses was reduced by conventional sewage treatment. Further ozonation reduced

HYDROXYL EQUIPMENT

The Odorox[®] MDU/RxTM device (hydroxyl generation), obtained [FDA approval](#) for use in occupied medical facilities and can be used in many applications including ships. Hydroxyls are safe, naturally occurring molecules created outdoors when the ultraviolet rays of the sun react with oxygen and water vapor from the air. “Hydroxyls are the single most important agent that scrubs and cleanses our planet’s atmosphere.” They do not occur naturally indoors so this technology produces hydroxyls in the same concentration as found outdoors. They sanitize by destroying microorganisms.

DEVELOPED FOR NASA ASTRONAUTS

Photocatalytic Oxidation (PCO) hydroxyl generators were originally developed by [NASA](#) as part of its Advanced Technology program for astroculture to remove ethylene from air with a unit that does not require any consumables. Further research discovered Photocatalysis had “potential for use in a number of NASA applications. The most obvious application for the removal of unwanted gas(es) from moderate and long-term confined areas, as in Space Shuttle cabins and in the International Space Station.” It was determined that “...using photocatalysis to eliminate pollutants from confined spaces could be derived for NASA...as well as for the general use of [photocatalysis in non-NASA applications](#)”.

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“Twenty years from now you will be more disappointed by the things you didn't do.”

Explore. Dream. Discover.

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