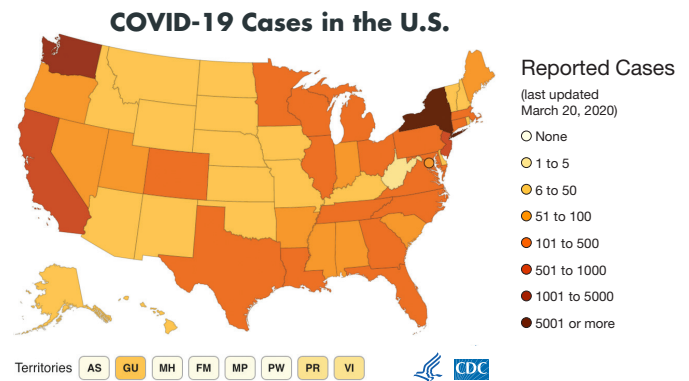


BCR's CleanB® technology may destroy more than 99% of the virus that causes Coronavirus in wastewater sludge – preventing it from spreading.



- Wastewater sludge is a means of exposure and transmittal
- The US is part of a global pandemic, according to the World Health Organization as of March 2020
- There is presently a coordinated federal and state response to the virus
- Infected individuals will be remanded to homes, hospitals or quarantine camps throughout the country
- The wastewater sludge from these facilities/cities will be contaminated with the virus and can persist for weeks, leaving a window of opportunity for the disease to spread further



BCR's CleanB® Biosolids Process (EPA PSRP Approved) For The Destruction Of SARS-CoV-2:

- Water Environment Federation (WEF) recommended the use of chlorine dioxide for the destruction of Coronavirus in wastewater⁽²⁾
- The CleanB® has been approved by the EPA to destroy bacteria with a 2-log reduction (99%) using BCR's patented chlorine dioxide generation
- BCR's CleanB® system has the potential to destroy >99% of SARS-CoV-2 in wastewater up to 2% total solids, assuming similar bactericidal efficacy of ClO₂ to SARS-CoV
- BCR is in the process of testing efficacy of the CleanB® process against Coronavirus using an enteric virus (poliovirus) as a surrogate

BCR's CleanB® Mobile Unit:

- BCR has a full-scale Mobile Unit capable of processing up to 270 gpm of waste activated sludge
- Processing can begin with 2 hours of equipment delivery
- Same technology is currently installed at Naval Air Station Jacksonville, reference available upon request

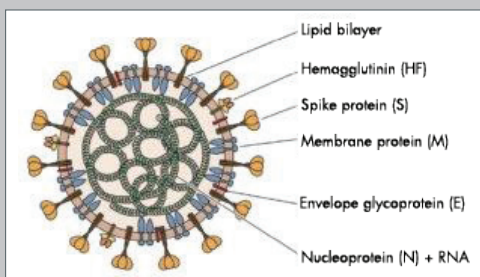


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About the Coronavirus (SARS-CoV-2):

- 2019-nCoV is a biosafety level 3 pathogen; a high-risk agent
- Similar to SARS and MERS Coronaviruses
- The Coronavirus can persist in wastewater for more than two (2) weeks⁽¹⁾
- When biosolids are land applied or landfilled, the virus can be transmitted to animals, and later passed on to humans.

REFERENCES:

- 1) Study on the resistance of severe acute respiratory syndrome-associated coronavirus; Wang XW1, Li JS, Jin M, Zhen B, Kong QX, Song N, Xiao WJ, Yin J, Wei W, Wang GJ, Si BY, Guo BZ, Liu C, Ou GR, Wang MN, Fang TY, Chao FH, Li JW.
- 2) <https://www.wef.org/CoronavirusWebcastArchive/>