

Preparing and Maintaining a Safe Workplace – Covid 19

May 6, 2020

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The Overall Re-opening Safely Process





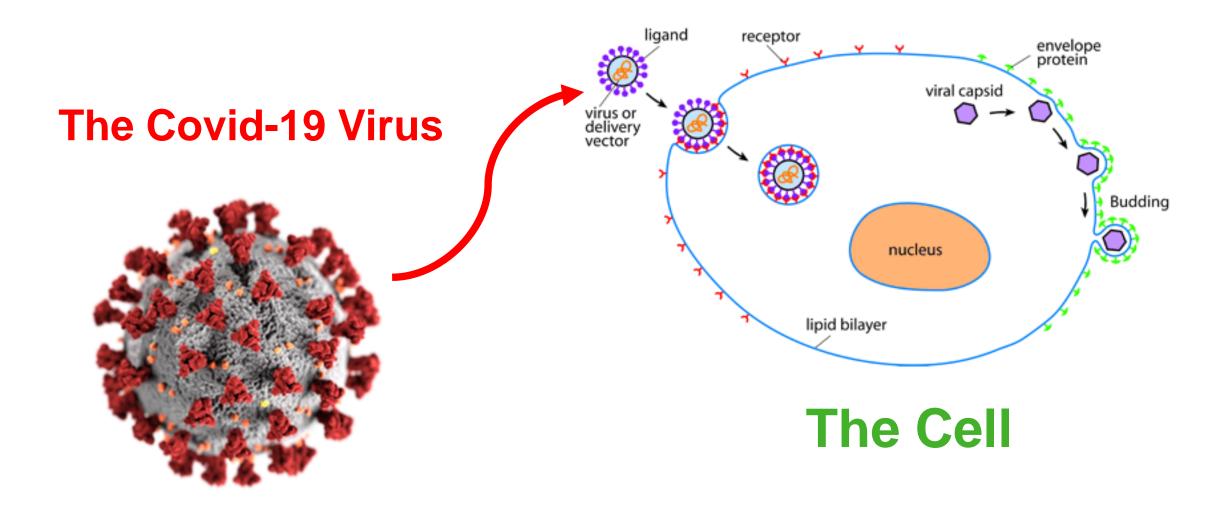


A little Science on Covid-19

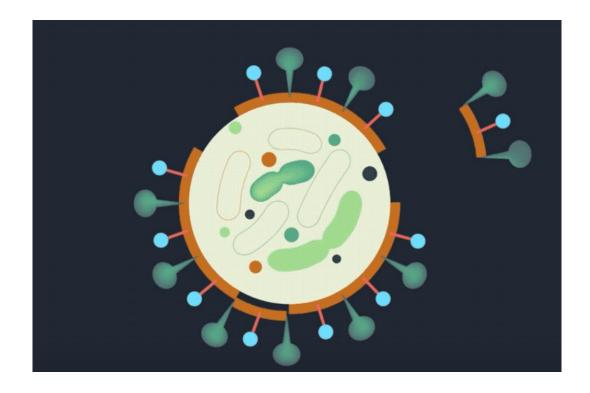
Workplace Transmission & Mitigation

What are we fighting?







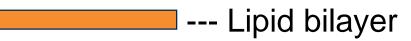


Important Characteristic:

It's surrounded by a lipid bilayer

This is why washing hands with soap or surfaces with detergents is effective.

They are surfactants that breakdown the lipid layer.



Transmission – Primary & Secondary



Primary - Aerosol





Secondary? - Surfaces



Understand Work Environment





Mitigating Aerosol Transmission

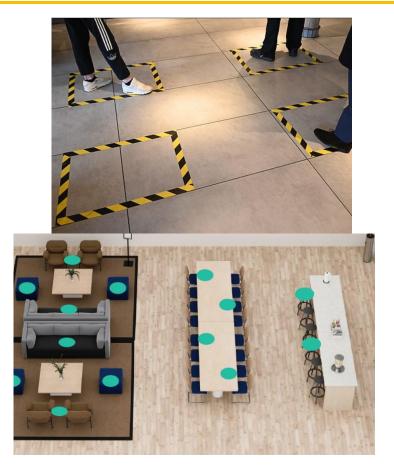




Masks & Shields



Barriers



Distancing

Covid-19 Presence on Surfaces (imprecise science)





Cardboard 24 hours



Plastics 2-3 days



Stainless Steel 2-3 days



Cups & Glasses 5 days



Wood & Metal 4 -5 days



Fabrics – Unknown Thought to be low

Mitigating Surface Transmission







Cleaning & Disinfecting Surfaces and Touch Points

Gloves



Washing Hands



Limit Workers Using Stations



Cleaning and Disinfection (C&D) Process

Oversight & Verification

These Types of Procedures are Not New...

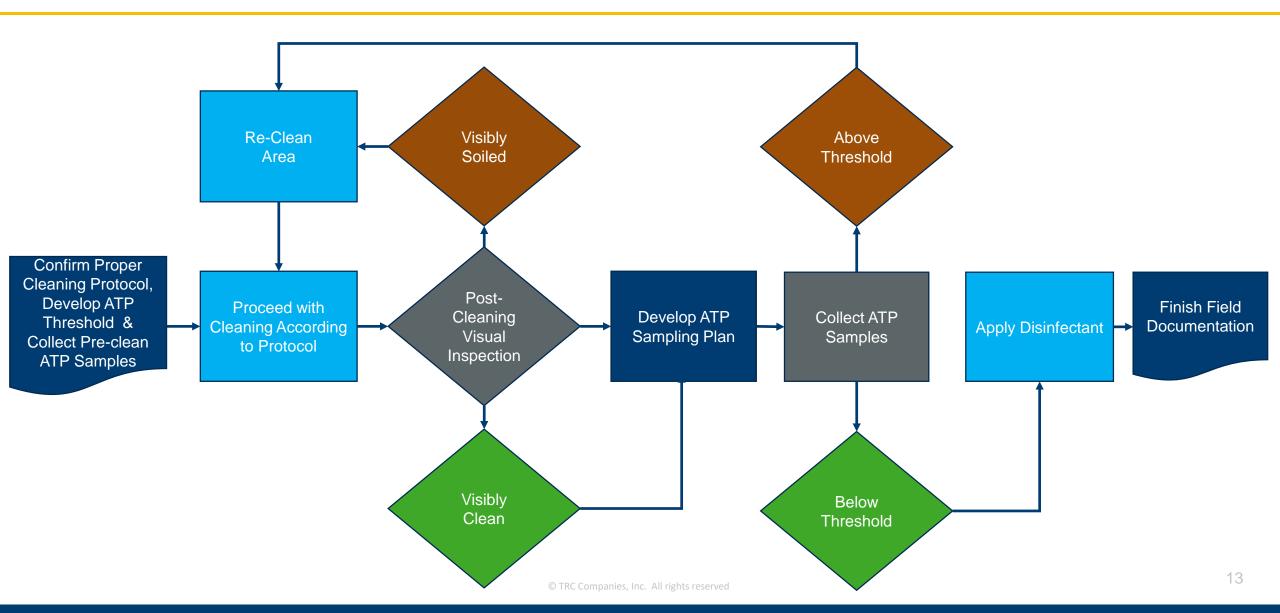




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Preferred Cleaning & Disinfecting Workflow





Threshold Determination – ATP & RLU Units





This does not test for Covid-19, which is not practical – but rather a test of biological activity/cleanness

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USEPA List of Approved Cleaners



https://www.epa.gov/pesticide-registration/listn-disinfectants-use-against-sars-cov-2 CDC Suggested Cleaning Protocol

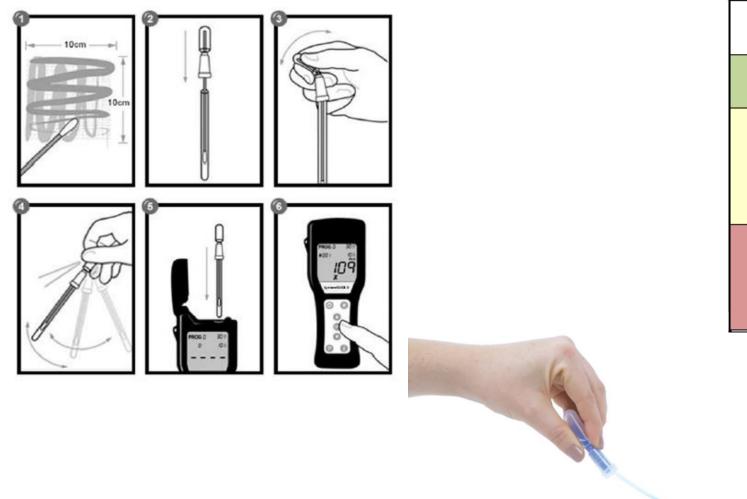


CENTERS FOR DISEASE CONTROL AND PREVENTION

https://www.cdc.gov/coronavirus/2019ncov/community/disinfecting-building-facility.html

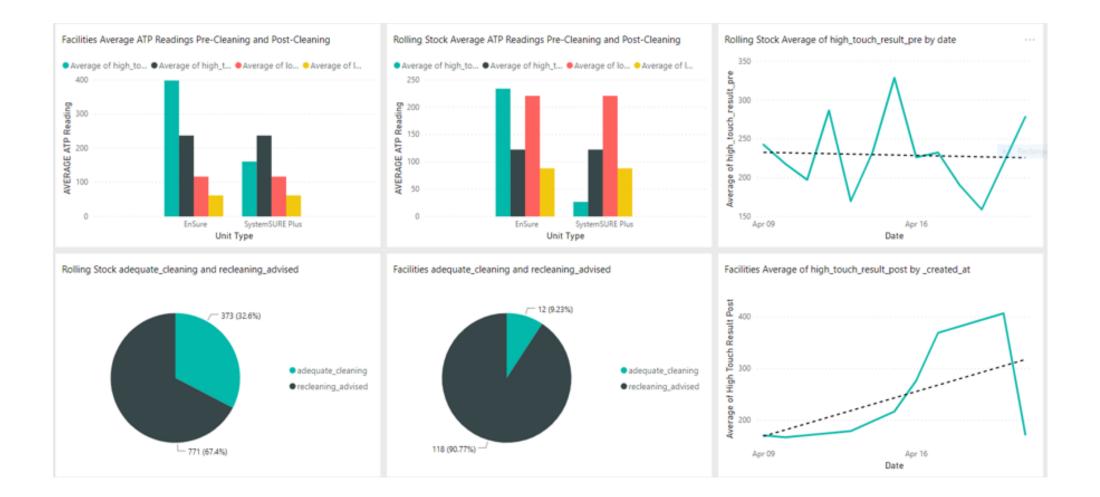
Verification





TEST RESULT	CORRECTIVE ACTION
(Pass)	The control point has been properly cleaned. Proceed to sanitizing.
! (Caution)	The control point may not have been adequately cleaned. You may choose to proceed to sanitizing, or re-clean and re-test as if the result is a Fail. A control point with a Caution reading should be monitored for future problems.
X (Fail)	The control point was not cleaned properly, and must be cleaned again and re-tested until a Pass or Caution result is achieved. A control point with a Fail reading should be noted and monitored for future problems.

Monitoring Performance & Recording Keeping





What has been learned from our experience

Lesson Learned & Good Practices

Lesson Learned





- High level of ATP testing failures due to:
 - C&D staff, contractors & management not understanding CDC protocols.
 - Protocols and produces poorly managed so high level of failure on 3rd party ATP tests
 - Reuse of cleaning rags, sponges, pad, etc.
- C&D contractors not properly qualified or trained
- PPE not used or fitted properly

Good Practices – Improved Outcomes

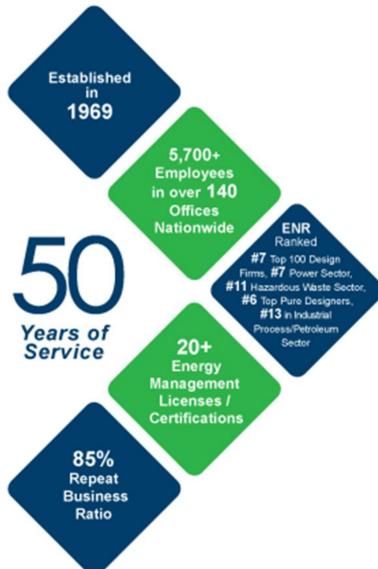




- Developed CDC aligned protocols before C&D improved results, and reducing re-work.
- Monitored and guided C&D contractors
- Understanding of and proper use of PPE
- Used disposable cleaning wipes, pads, etc.
- Understand the value of 3rd party ATP testing and results as part of a Return to Work process
- Testing provides documentation that level of cleanliness was achieved – answers the inevitable question *"How do you know it was clean?"* TRC tested it, recorded the testing data and provided results to the client in realtime.

TRC At-a- Glance







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Thank You

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