



Changing Olmsted County Solid Waste Operations to Meet COVID-19 Challenges

Olmsted County's ISWMS

Outreach & Education



Hazardous Waste



Recycling



Compost



Waste-to-Energy



Landfill



Continuity of Operations Plan (COOP)

K Essential Services during a Flu / Virus Pandemic

- Waste-to-Energy Facility
- Kalmar Landfill

K Non-Essential Services

- Yard Waste Compost Site
- Hazardous Waste Facility
- Recycling Center Plus (Self-Haul)



Non-Essential Operations



Temporary Private Hauling Service



Be a Good Neighbor



Private Facilities



Education – Reduce / Reuse



Instructions on Storing Waste



Leave On-Site / Stay in Place



Non-Essential to ESSENTIAL

- K Recycling Center
- K Yard Waste Compost Site

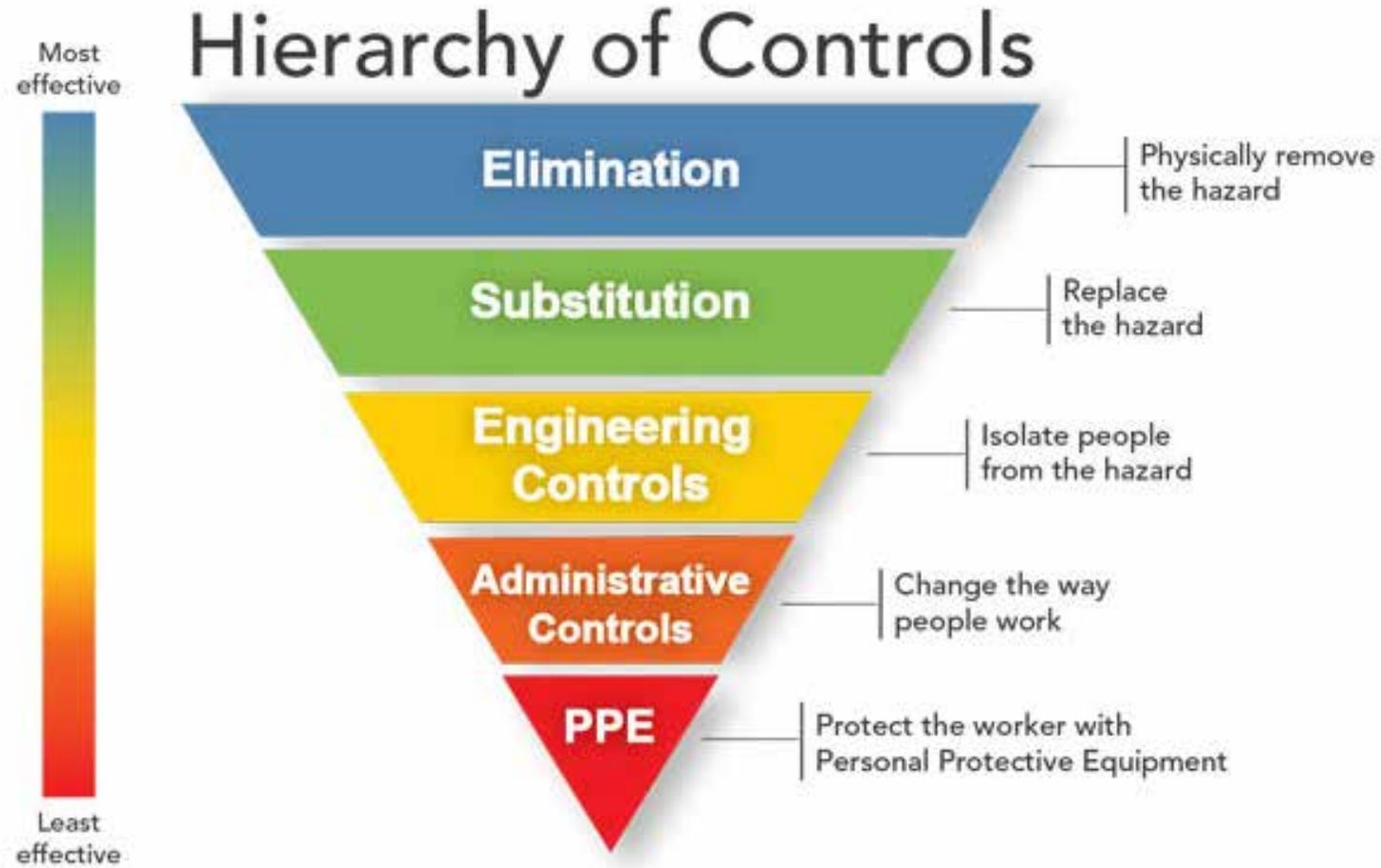


Essential Employees

- K Take PTO / Comp Time
- K Unpaid Leave
- K Setup PTO Bank
- K Work & Provide Input for Reopening



NIOSH Risk Controls



National Institute of Health

K NIH Research on the Stability of SARS-CoV-2 in Aerosols & Various Surfaces*

- Copper up to 4 hours
- Cardboard for up to 24 hours
- Plastic up to 72 hours
- Steel up to 72 hours



* Published March 17, 2020, New England Journal of Medicine. Report noted these times will vary under real-world conditions, depending on factors including temperature, humidity, ventilation, and the amount of virus deposited. The Viral RNA study did not measure whether the virus was still contagious on the material.

Olmsted County Health Dept. Recommendations

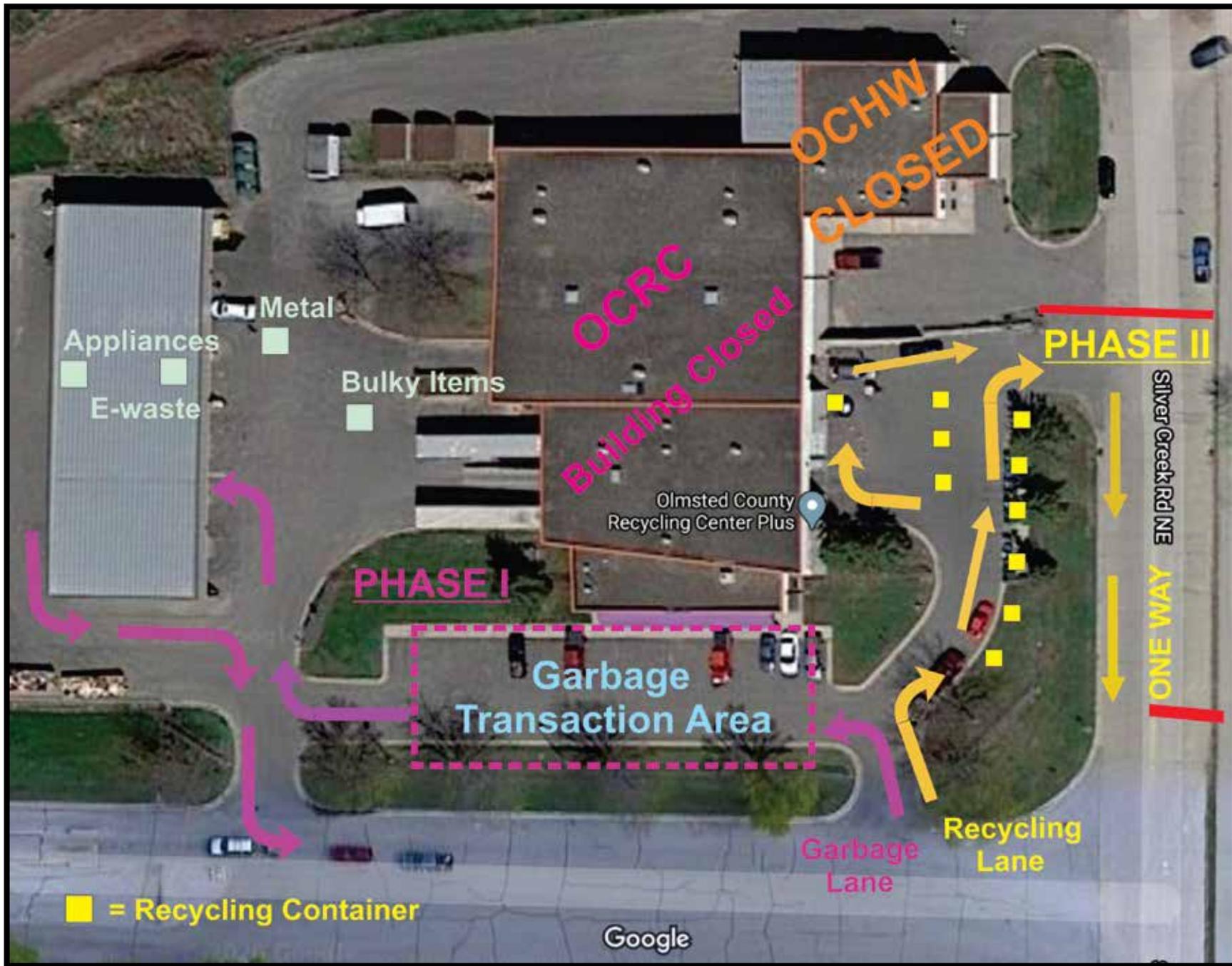
- K NIH Research Conducted under Laboratory Conditions
- K Sunlight, Temperature and Humidity Helps Inactivate the Virus
- K Virus doesn't live on surfaces with a lot of holes / microscopic grooves – tends to live on smooth even surfaces
- K Dependent on how much transmissible live virus is actually shed on the material
- K Mainly spread from Person-to-Person through the inhalation of drops released by coughing & sneezing
- K People's hands can be a transport of viral particles – Wash Hands, Do Not Touch Face & Maintain Social Distance
- K No Evidence that COVID-19 Transmitted through Solid Waste



Employee Safety Guidelines

- K Limit Customer Contact & Interaction
- K Limit Building Access
- K Maintain Social Distancing Measures
- K Limit Touches on Material
- K Maintain Sanitary Work Practices
- K Provide ALL Necessary PPE
- K Daily Standup COVID-19 Safety Meetings
- K Communications from County Health Dept.





Self-Haul Garbage Operations



Precautions at the Facility



Nitrile & Latex Gloves



N95 & Cloth Masks



3 Disinfection Stations



Eye Protection



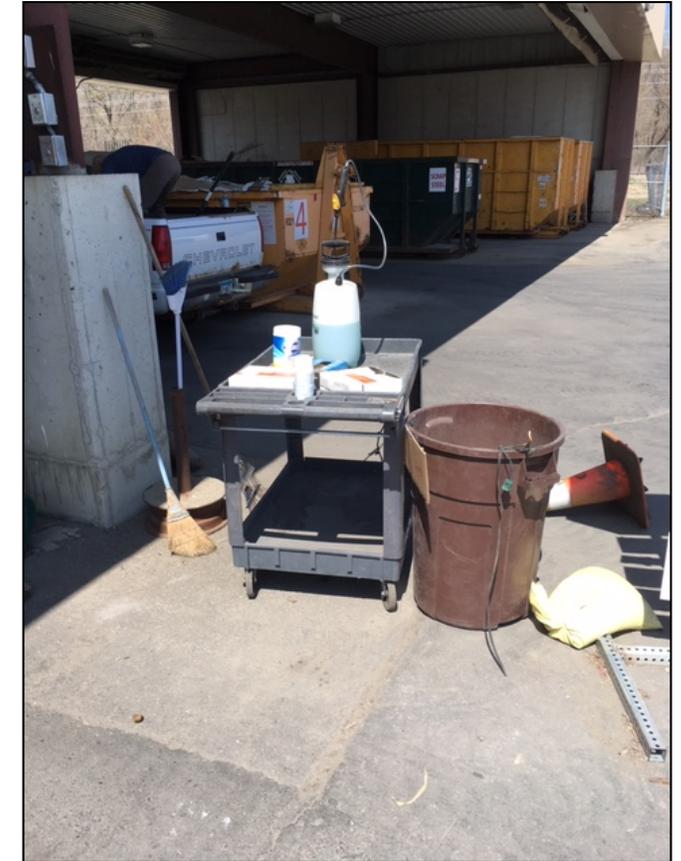
Cleaning High Touch Areas



Staggered Breaks



Self-Haul Recycling Operations



Reopening Timeline

County Emergency Declaration



3/18/20



MN Stay at Home Order



3/27/20



