

## CASH Webinar

### **Maintenance and Operations: Sanitizing, Disinfecting, Healthy Air and Constant Monitoring**

Thursday, May 21, 2020

#### MEMORANDUM

To: CASH Members

Date: May 21, 2020

From: Julie Arthur, CASH Chair, Palms Springs USD

RE: Questions from the Chat Box of May 21, 2020 Webinar #9: **Maintenance and Operations: Sanitizing, Disinfecting, Healthy Air and Constant Monitoring**

Attached are the questions and comments from the Chat Box of the May 21, 2020 CASH Webinar. The Webinar will be available for viewing or listening on the CASH Website for our members that missed it or for those interested in viewing or listening again.

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09:59:55	From Sam CASH Staff : Good morning and thank you for joining us today!
10:05:48	From Joe Dixon : Good morning everybody!
10:06:01	From elampkin : Thank you and yes. Important topic.
10:06:04	From Kim Bolser : Greetings from West Palm Beach, FL
10:06:05	From Peter Pinon : Good morning everyone!
10:06:42	From Rex Wang Computer : Good Morning All
10:07:06	From Joey Belicha : good morning !!!
10:09:49	From dbrogan to : Good Morning!
10:16:28	From Tim Ryan : Hoping the speakers give standards, not just issues. What are the best practices? 44 sq ft, last meeting it was 45. We need to say, hey, CASH recommends . . . follow me folks
10:17:45	From Jeff : Good morning Joe
10:18:46	From Jeff : If we keep masks on kids and staff why do we need to social distance?



10:19:11 From Larry Freise : Morning Joe!

10:21:27 From rcervantes : How can I get a print of this bullet points

10:22:17 From Joey Belicha : I can't wait for this handbook. it will be beneficial at my coe

10:22:27 From Sam CASH Staff : Hi RCervantes - the PowerPoint handout, the recording, and a copy of the chat box will be sent out to all registered attendees tomorrow, as well as posted on the CASH COVID-19 Resource Page. Thank you!

10:22:50 From TArmstrong : Thank you

10:23:03 From rcervantes : Thank you

10:24:44 From elampkin : Thank you. Really appreciate it. There is too much information to take notes on.

10:26:39 From Tim Ryan : We are

10:27:15 From Larry Freise : The challenge of essentially making every class size 16 students has forced us to consider a blended approach in order to reduce the campus population by half. Half the students report daily, the other half have chosen a virtual, independent study-based form of instruction.

10:30:07 From Elizabeth Ramos : We have run into a lot of issues with teachers bringing in their own furniture and carpets.

10:32:35 From TArmstrong : With the electro sprayer we will still need to routinely wipe on a rotating basis to be most effective. This will help with the amount of time taken away from other duties.

10:32:37 From Tim Ryan : <https://petratools.com/> - foggers in stock, 5 day shipping as of last week when we ordered

10:33:23 From DouglasMefford : how are you getting these items without going to BID

10:33:52 From Kim Bolser : Is it a cold fogger?

10:34:27 From Jeff : Do you need to turn off the HVAC when you use a fogger?

10:34:39 From Tim Ryan : EPS says it is a waste or chemical to clean outdoor equipment

10:35:03 From Tim Ryan : Victory back logged til November

10:36:08 From Tim Ryan : <https://petratools.com/> - foggers in stock, 5 day shipping as of last week when we ordered

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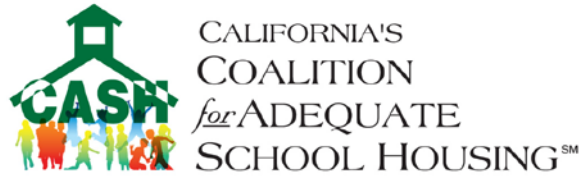
10:37:05 From Doug Trower : You mentioned you can let it dry on surface ,do you need to come back and wipe down?



- 10:37:28 From ryoung : Victory sprayers prefer to have HVAC system on
- 10:37:51 From DouglasMefford : will it set off the fire alarm?
- 10:38:15 From Tim Ryan : no come back and wipe if you use a product without soap in it
- 10:38:51 From Larry Freise : Does anyone know how these compare to the Clorox 360 machines?
- 10:39:09 From David Secoda : Fire alarm consultant here - fog is a known false alarm source.
- 10:39:36 From Tim Ryan : Clorox is a closed systems - only their chemicals
- 10:39:39 From Pablo : has this chemical been tested and approved for covid-19
- 10:40:02 From Joey Belicha : I demoed and ordered the Clorox 360. although it will be a few weeks until I get it
- 10:40:24 From Tim Ryan : Buy open so you can use any chemical
- 10:40:48 From Andy Fontana : Does HVAC need to be off?
- 10:41:08 From Reese Thompson to All panelists : Have you received all of your equipment or is there a long lead time you are experiencing?
- 10:41:16 From Tommy Aguilera : We have GenEon Mist sprayer blower and been very happy with it
- 10:41:20 From Tim Ryan : Wipe depends on chemical - use one that has no soap - Then no wipe
- 10:41:27 From TArmstrong to All panelists : You mainly wipe for dust build up.
- 10:41:44 From dougj : What products are you using in your foggers and have you looked at or used probiotic cleaners?
- 10:41:46 From Ani Zeneian to All panelists : Will this recording be shared later?
- 10:41:52 From dmarr : how available are the supply's and machines. what is the delivery timeline
- 10:42:02 From Nick Curry : Has anyone been using or looked into probiotic based products for cleaning and disinfecting? My district is currently using ZBio Science Product and have seen amazing improvement in both cleanliness and ATP level reduction. Any input on if this is a viable and safer alternative to traditional products?
- 10:42:38 From Tim Ryan : Only use chemicals listed on EPA site a\s kills Coronavirus
- 10:42:43 From Sam CASH Staff : Hi Ani Zeneian, the recording and other Webinar materials will be emailed to all registered attendees, as well as posted on the CASH COVID-19 Resource Page, tomorrow. Thank you!



- 10:42:54 From anessa.espinosa : We have purchased 3 of the backpack systems prior to the COVID 19 and they have worked great to quickly sanitize the classrooms, restrooms, lunch tables and playground structures. We use Sparx 64.
- 10:43:11 From Reese Thompson : Are you cleaning soiled areas before applying disinfectant?
- 10:43:33 From Eric Davis to : Nick Curry, what district are you with?
- 10:44:04 From Eric Davis : We are looking into Z-bioscience as well
- 10:44:15 From Tim Ryan : Hand held cheaper \$500 +/- Backpack \$1200
- 10:44:21 From Angel Garcia : Good morning everyone, would it be beneficial for students only to use tablets in the classroom in order to reduce the time custodians will spend removing papers left on desks to minimize time custodians spend in each classroom?
- 10:44:34 From rcervantes : What kind of PPE does the hand held require
- 10:44:46 From anessa.espinosa : Since the initial purchase, we purchased units for each site. 2 hand held units for our transportation department.
- 10:48:46 From Rob Young : I'd love to get your thoughts on ionized hydrogen peroxide cells for hvac systems
- 10:51:30 From Joe Dixon : My opinion - virus cells are not going to make it all the way to the ionization cells . . . but maybe good question for Rex.
- 10:57:05 From Jeff Becker : Thoughts on UV-C lighting in air handlers?
- 10:57:23 From dbrogan : Supply Air should be label (5) not 6 on the right side of the document.
- 10:58:46 From Joe Dixon : Jeff - virus will not make it to the UVC in my opinion.
- 11:00:09 From Tim Ryan : UVC is long lead and a big hassle. but if you have a medical facility it may be worth the installaion
- 11:01:35 From Nick Curry : What about ionic air scrubbers on the return air?
- 11:01:38 From dbrogan : Not all of our units have economizers, is this something that can be added to an older unit?
- 11:06:05 From dbrogan : Is Merv 13 sufficient for a clay class that generates a lot of dust? Teacher has been complaining.
- 11:08:30 From TSugayan : Is it necessary to disinfect your filter when removing?
- 11:12:28 From Julio Arroyo, WCCUSD : We have a grant program through our Air District for filter but the program only allows Hepa filters. Is there a resource I can use to evaluate if we can use these site wide?



- 11:15:25 From R Ellis : How effective are portable HEPA filter units?
- 11:29:22 From joe hoffman : Do filters catch the COVID 19 Virus?
- 11:30:01 From Joe Dixon to joe hoffman and all panelists : Loaded question Joe!!
- 11:30:55 From joe hoffman : That what my sales rep is saying...
- 11:32:48 From Joe Dixon : I know - I can't see how the virus gets to the filter or the UVC lamp on the return or the ??
- 11:35:43 From Rob Young : any thoughts on HVAC addon that releases ionized Hydrogen Peroxide through the system
- 11:37:08 From Jorge Ramirez : Just to make sure I understand correctly, HEPA is down to .3 and COVID is smaller at .125 so HEPA would not filter COVID.
- 11:38:03 From Joe Dixon : Rex mentioned that if the virus is attached to dust the filter would catch it.
- 11:38:12 From Jorge Ramirez : Thank you.
- 11:45:17 From Rex Wang : @dbrogan if the class is producing dust, perhaps a properly designed dust collection system is needed. To prolong the life of filters, using a pre and final filter system would help. if this is a singular location, it might make sense to retrofit this single space.
- 12:16:01 From Jema Estrella : Lettie - I love it.
- 12:16:52 From Angel Garcia : Will JPA's have access to some of the money?
- 12:17:13 From R Ellis : ERT- good idea-roles & responsibility's please explain.
- 12:17:23 From Lettie Boggs : Angel, yes it seems they will as public agencies.
- 12:18:12 From Sam CASH Staff : So much great info! Thank you Speakers, and thank you all for attending today!
- 12:18:14 From edelatorre : Thanks for this great and very informative Webinar.
- 12:18:23 From Joe Perez : Thank you very much!

***Disclaimer About Event Materials:*** The presentation materials utilized for this event were prepared by individual presenters. As with all CASH events, the presentation and materials are not intended to constitute legal advice. School district and county office of education personnel should consult with legal counsel for advice on specific issues and applications of any laws.