Cleaning and Ventilation Protocols Questionnaire

San Francisco State University

Name of Facility: ____________________________________________________

1) Fogger or powered sprayer applications may result in lingering airborne chemical aerosols. **If fogger or powered sprayer applications of cleaning and/or disinfection agents will be performed**, please answer the following:
   a) Please identify when these units will be used.
      May be used after classroom is used. Classrooms are left to air out for a minimum of 1 hour before subsequent usage
   b) If students or faculty are present when the equipment is used please identify what safety measures will be used to prevent exposures.
      None present
   c) Please identify how employees operating equipment have/will be trained on safe use of the equipment and what PPE will be used.
      Staff have been trained on all equipment using manufactures guidelines

2) **If any of the following chemicals are used**
   - Sodium hypochlorite (chlorine bleach) – *respiratory tract irritant, asthma trigger*
   - Sodium dichloroisocyanurate – *can release a mixture of chlorine compounds people interpret as “chlorine gas”, respiratory tract irritant.*
   - Thymol (powered spray or fogger applications only) – *classified by some sources as an asthmagen.*

   please answer the following:
   a) How will these chemicals be applied?
      Usually with an electrostatic sprayer unit
   b) Will these chemicals be applied while student or faculty are present?
      No
   c) What measures will be taken to prevent exposures?
      Training of staff and wearing of proper PPE
   d) Have you considered alternate disinfectants?
      We generally use surface wipes when practical

3) **If your building(s) have mechanical ventilation**, please answer the following:
   a) Have fans been set to operate continuously during occupied hours (plus 2 hours at the end of the day)? If not feasible, explain why.
      Yes
   b) Have ventilation systems been set to run on 100% outside (fresh) air? If not feasible, explain why.
      In cases/systems where it is feasible
c) What are the MERV ratings of ventilation system filters? If not MERV 13 or greater, why not?
   Systems were converted to MERV13 in 2020

d) Can the fans be adjusted to run continuously during occupied hours (plus 2 hrs after the end of the day)? Fan operation should not be based on temperature measurement.
   Yes, they already do

4) If ventilation is provided via windows and/or doors, please answer the following:
   a) How will air exchange be maximized (examples: portable fans, push-pull systems, etc.)?
      Portable fans are used only if building is without HVAC (very limited usage)
   b) When the weather becomes more extreme (cold, rain) how will you continue to use windows and doors for ventilation?
      When occupied only

5) If Portable Air Cleaners (PACs) are going to be deployed, please answer the following:
   a) How many air changes per hour do you anticipate the (PACs) will provide?
      PAC's are only used as required (very limited usage)
   b) How was this value (number of air changes) derived (CADR, volumetric flow, etc)?
      Volumetric Flow when required
   c) Can the PACs be operated for at least 2 hours after the space was occupied?
      Yes, if required

6) If in the past month building occupancies have been less than 70% of planned student and staff levels please answer the following:
   a) Has the water system been flushed in the past week?
      Yes, water systems are run on a regular basis by facilities staff
   b) How will you prevent out-of-service water fountains and sinks from becoming dead legs?
      Water fountains have have been run on a regular basis by facilities staff

This form was prepared by:
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