

Cleaning and Ventilation Protocols Questionnaire

Name of Facility: Ocean Campus - Batmale HVAC

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.

N/A

b) If students or faculty are present when the equipment is used please identify what safety measures will be used to prevent exposures.

N/A

c) Please identify how employees operating equipment have/will be trained on safe use of the equipment and what PPE will be used.

N/A

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?

None of the above listed chemicals are used

b) Will these chemicals be applied while student or faculty are present?

N/A

c) What measures will be taken to prevent exposures?

N/A

d) Have you considered alternate disinfectants?

N/A

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.

Yes

- c) What are the MERV ratings of ventilation system filters? If not MERV 13 or greater, why not?
MERV 8
Above MERV 8 risks reduced airflow
- 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
- 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.)?
Building has some operable windows, which can be used on as-needed basis +
- b) When the weather becomes more extreme (cold, rain) how will you continue to use windows and doors for ventilation?
Primary air exchange performed by HVAC system when windows are closed. +
- 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?
N/A
- b) How was this value (number of air changes) derived (CADR, volumetric flow, etc)?
N/A
- c) Can the PACs be operated for at least 2 hours after the space was occupied?
N/A
- 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- Bi-weekly flushing by custodial and plumbing staff
- b) How will you prevent out-of-service water fountains and sinks from becoming dead legs?
Any out of service water fountains will be shut off at branch line point of connection

This form was prepared by:

Name: Mike Wilkins

Phone: 415-239-3561

Email: mwilkins@ccsf.edu

Cleaning and Ventilation Protocols Questionnaire

Name of Facility: Chinatown/North Beach - HVAC

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.

N/A

b) If students or faculty are present when the equipment is used please identify what safety measures will be used to prevent exposures.

N/A

c) Please identify how employees operating equipment have/will be trained on safe use of the equipment and what PPE will be used.

N/A

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?

None of the above listed chemicals are used

b) Will these chemicals be applied while student or faculty are present?

N/A

c) What measures will be taken to prevent exposures?

N/A

d) Have you considered alternate disinfectants?

N/A

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.

We will have to verify this. We may have to manually position dampers.

- c) What are the MERV ratings of ventilation system filters? If not MERV 13 or greater, why not?
MERV 8
Above MERV 8 risks reduced airflow.
- 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
- 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.)?
N/A
- b) When the weather becomes more extreme (cold, rain) how will you continue to use windows and doors for ventilation?
N/A
- 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?
N/A
- b) How was this value (number of air changes) derived (CADR, volumetric flow, etc)?
N/A
- c) Can the PACs be operated for at least 2 hours after the space was occupied?
N/A
- 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-Bi-weekly flushing by custodial and plumbing staff
- b) How will you prevent out-of-service water fountains and sinks from becoming dead legs?
Any out of service water fountains will be shut off at branch line point of connection

This form was prepared by:

Name: Mike Wilkins

Phone: 415-239-3561

Email: mwilkins@ccsf.edu

Cleaning and Ventilation Protocols Questionnaire

Name of Facility: Ocean Campus - Cloud Hall HVAC

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.

N/A

b) If students or faculty are present when the equipment is used please identify what safety measures will be used to prevent exposures.

N/A

c) Please identify how employees operating equipment have/will be trained on safe use of the equipment and what PPE will be used.

N/A

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?

None of the above listed chemicals are used

b) Will these chemicals be applied while student or faculty are present?

N/A

c) What measures will be taken to prevent exposures?

N/A

d) Have you considered alternate disinfectants?

N/A

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.

Yes

- c) What are the MERV ratings of ventilation system filters? If not MERV 13 or greater, why not?
MERV 8
Above MERV 8 risks reduced airflow
- 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
- 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.)?
Many windows are openable on as-needed basis.
Primary air exchange provided by HVAC system +
- b) When the weather becomes more extreme (cold, rain) how will you continue to use windows and doors for ventilation?
Primary air exchange performed by HVAC system when windows are closed. +
- 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?
N/A
- b) How was this value (number of air changes) derived (CADR, volumetric flow, etc)?
N/A
- c) Can the PACs be operated for at least 2 hours after the space was occupied?
N/A
- 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- Bi-weekly flushing by custodial and plumbing staff
- b) How will you prevent out-of-service water fountains and sinks from becoming dead legs?
Any out of service fountains will be shut off at branch line point of connection

This form was prepared by:

Name: Mike Wilkins

Phone: 415-239-3561

Email: mwilkins@ccsf.edu

Cleaning and Ventilation Protocols Questionnaire

Name of Facility: Ocean Campus - Conlan HVAC

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.

N/A

b) If students or faculty are present when the equipment is used please identify what safety measures will be used to prevent exposures.

N/A

c) Please identify how employees operating equipment have/will be trained on safe use of the equipment and what PPE will be used.

N/A

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?

None of the above listed chemicals are used

b) Will these chemicals be applied while student or faculty are present?

N/A

c) What measures will be taken to prevent exposures?

N/A

d) Have you considered alternate disinfectants?

N/A

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.

Yes

- c) What are the MERV ratings of ventilation system filters? If not MERV 13 or greater, why not?

MERV 8
Above MERV 8 risks reduced airflow

- 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

- 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.)?

N/A

- b) When the weather becomes more extreme (cold, rain) how will you continue to use windows and doors for ventilation?

N/A

- 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?

N/A

- b) How was this value (number of air changes) derived (CADR, volumetric flow, etc)?

N/A

- c) Can the PACs be operated for at least 2 hours after the space was occupied?

N/A

- 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- Bi-weekly flushing by custodial and plumbing staff

- b) How will you prevent out-of-service water fountains and sinks from becoming dead legs?

Any out of service water fountains will be shut off at branch line point of connection

This form was prepared by:

Name: Mike Wilkins

Phone: 415-239-3561

Email: mwilkins@ccsf.edu

Cleaning and Ventilation Protocols Questionnaire

Name of Facility: Ocean Campus - Creative Arts HVAC

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.

N/A

b) If students or faculty are present when the equipment is used please identify what safety measures will be used to prevent exposures.

N/A

c) Please identify how employees operating equipment have/will be trained on safe use of the equipment and what PPE will be used.

N/A

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?

None of the above listed chemicals are used

b) Will these chemicals be applied while student or faculty are present?

N/A

c) What measures will be taken to prevent exposures?

N/A

d) Have you considered alternate disinfectants?

N/A

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.

N/A

b) Have ventilation systems been set to run on 100% outside (fresh) air? If not feasible, explain why.

N/A

c) What are the MERV ratings of ventilation system filters? If not MERV 13 or greater, why not?
N/A

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.
N/A

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.)?

Building has some operable windows, which can be used on as-needed basis

b) When the weather becomes more extreme (cold, rain) how will you continue to use windows and doors for ventilation?

Instructors and students would have to manually adjust windows.

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?

N/A

b) How was this value (number of air changes) derived (CADR, volumetric flow, etc)?

N/A

c) Can the PACs be operated for at least 2 hours after the space was occupied?

N/A

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-Bi-weekly flushing by custodial and plumbing staff

b) How will you prevent out-of-service water fountains and sinks from becoming dead legs?

Any out of service water fountains will be shut off at branch line point of connection

This form was prepared by:

Name: Mike Wilkins

Phone: 415-239-3561

Email: mwilkins@ccsf.edu

Cleaning and Ventilation Protocols Questionnaire

Name of Facility: Downtown Center - HVAC

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.

N/A

b) If students or faculty are present when the equipment is used please identify what safety measures will be used to prevent exposures.

N/A

c) Please identify how employees operating equipment have/will be trained on safe use of the equipment and what PPE will be used.

N/A

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?

None of the above listed chemicals are used

b) Will these chemicals be applied while student or faculty are present?

N/A

c) What measures will be taken to prevent exposures?

N/A

d) Have you considered alternate disinfectants?

N/A

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.

Yes

- c) What are the MERV ratings of ventilation system filters? If not MERV 13 or greater, why not?
MERV 8
Above MERV 8 risks reduced airflow.
- 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
- 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.)?
N/A
- b) When the weather becomes more extreme (cold, rain) how will you continue to use windows and doors for ventilation?
N/A
- 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?
N/A
- b) How was this value (number of air changes) derived (CADR, volumetric flow, etc)?
N/A
- c) Can the PACs be operated for at least 2 hours after the space was occupied?
N/A
- 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-Bi-weekly flushing by custodial and plumbing staff
- b) How will you prevent out-of-service water fountains and sinks from becoming dead legs?
Any out of service water fountains will be shut off at branch line point of connection

This form was prepared by:

Name: Mike Wilkins

Phone: 415-239-3561

Email: mwilkins@ccsf.edu

Cleaning and Ventilation Protocols Questionnaire

Name of Facility: EVANS Campus - HVAC

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.

N/A

b) If students or faculty are present when the equipment is used please identify what safety measures will be used to prevent exposures.

N/A

c) Please identify how employees operating equipment have/will be trained on safe use of the equipment and what PPE will be used.

N/A

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?

None of the above listed chemicals are used

b) Will these chemicals be applied while student or faculty are present?

N/A

c) What measures will be taken to prevent exposures?

N/A

d) Have you considered alternate disinfectants?

N/A

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.

Bldg. has many individual rooftop HVAC units which were not designed for 100% OA operation We can increase OA but not to 100%



- c) What are the MERV ratings of ventilation system filters? If not MERV 13 or greater, why not?
MERV 8
Above MERV 8 risks reduced airflow.
- 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
- 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.)?
N/A
- b) When the weather becomes more extreme (cold, rain) how will you continue to use windows and doors for ventilation?
N/A
- 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?
N/A
- b) How was this value (number of air changes) derived (CADR, volumetric flow, etc)?
N/A
- c) Can the PACs be operated for at least 2 hours after the space was occupied?
N/A
- 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-Bi-weekly flushing by custodial and plumbing staff
- b) How will you prevent out-of-service water fountains and sinks from becoming dead legs?
Any out of service water fountains will be shut off at branch line point of connection

This form was prepared by:

Name: Mike Wilkins

Phone: 415-239-3561

Email: mwilkins@ccsf.edu

Cleaning and Ventilation Protocols Questionnaire

Name of Facility: Ocean Campus - Horticulture HVAC

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.

N/A

b) If students or faculty are present when the equipment is used please identify what safety measures will be used to prevent exposures.

N/A

c) Please identify how employees operating equipment have/will be trained on safe use of the equipment and what PPE will be used.

N/A

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?

None of the above listed chemicals are used

b) Will these chemicals be applied while student or faculty are present?

N/A

c) What measures will be taken to prevent exposures?

N/A

d) Have you considered alternate disinfectants?

N/A

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.

N/A

b) Have ventilation systems been set to run on 100% outside (fresh) air? If not feasible, explain why.

N/A

c) What are the MERV ratings of ventilation system filters? If not MERV 13 or greater, why not?
N/A

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.
N/A

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.)?

Building has some openable windows, which can be used on as-needed basis

b) When the weather becomes more extreme (cold, rain) how will you continue to use windows and doors for ventilation? +

Instructors/students will have to manually adjust windows.

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?

N/A

b) How was this value (number of air changes) derived (CADR, volumetric flow, etc)?

N/A

c) Can the PACs be operated for at least 2 hours after the space was occupied?

N/A

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- Bi-weekly flushing by custodial and plumbing staff

b) How will you prevent out-of-service water fountains and sinks from becoming dead legs?

Any out of service water fountains will be shut off at branch line point of connection

This form was prepared by:

Name: Mike Wilkins

Phone: 415-239-3561

Email: mwilkins@ccsf.edu

Cleaning and Ventilation Protocols Questionnaire

Name of Facility: John Adams Campus HVAC

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.

N/A

b) If students or faculty are present when the equipment is used please identify what safety measures will be used to prevent exposures.

N/A

c) Please identify how employees operating equipment have/will be trained on safe use of the equipment and what PPE will be used.

N/A

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?

None of the above listed chemicals are used

b) Will these chemicals be applied while student or faculty are present?

N/A

c) What measures will be taken to prevent exposures?

N/A

d) Have you considered alternate disinfectants?

N/A

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.

Yes

- c) What are the MERV ratings of ventilation system filters? If not MERV 13 or greater, why not?
MERV 8
Above MERV 8 risks reduced airflow
- 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
- 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.)?
Building has some operable windows, which can be used on as-needed basis +
- b) When the weather becomes more extreme (cold, rain) how will you continue to use windows and doors for ventilation?
Primary air exchange performed by HVAC system when windows are closed. +
- 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?
N/A
- b) How was this value (number of air changes) derived (CADR, volumetric flow, etc)?
N/A
- c) Can the PACs be operated for at least 2 hours after the space was occupied?
N/A
- 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- Bi-weekly flushing by custodial and plumbing staff
- b) How will you prevent out-of-service water fountains and sinks from becoming dead legs?
Any out of service water fountains will be shut off at branch line point of connection

This form was prepared by:

Name: Mike Wilkins

Phone: 415-239-3561

Email: mwilkins@ccsf.edu

Cleaning and Ventilation Protocols Questionnaire

Name of Facility: Ocean Campus - Library HVAC

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.

N/A

b) If students or faculty are present when the equipment is used please identify what safety measures will be used to prevent exposures.

N/A

c) Please identify how employees operating equipment have/will be trained on safe use of the equipment and what PPE will be used.

N/A

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?

None of the above listed chemicals are used

b) Will these chemicals be applied while student or faculty are present?

N/A

c) What measures will be taken to prevent exposures?

N/A

d) Have you considered alternate disinfectants?

N/A

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.

Yes

- c) What are the MERV ratings of ventilation system filters? If not MERV 13 or greater, why not?
MERV 8 prefilters
MERV 15 bag filters
- 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
- 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.)?
Building has some operable windows, which can be used on as-needed basis +
- b) When the weather becomes more extreme (cold, rain) how will you continue to use windows and doors for ventilation?
Primary air exchange performed by HVAC system when windows are closed. +
- 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?
N/A
- b) How was this value (number of air changes) derived (CADR, volumetric flow, etc)?
N/A
- c) Can the PACs be operated for at least 2 hours after the space was occupied?
N/A
- 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- Bi-weekly flushing by custodial and plumbing staff
- b) How will you prevent out-of-service water fountains and sinks from becoming dead legs?
Any out of service water fountains will be shut off at branch line point of connection

This form was prepared by:

Name: Mike Wilkins

Phone: 415-239-3561

Email: mwilkins@ccsf.edu

Cleaning and Ventilation Protocols Questionnaire

Name of Facility: Mission/Valencia Campus - HVAC

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.

N/A

b) If students or faculty are present when the equipment is used please identify what safety measures will be used to prevent exposures.

N/A

c) Please identify how employees operating equipment have/will be trained on safe use of the equipment and what PPE will be used.

N/A

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?

None of the above listed chemicals are used

b) Will these chemicals be applied while student or faculty are present?

N/A

c) What measures will be taken to prevent exposures?

N/A

d) Have you considered alternate disinfectants?

N/A

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.

We will have to verify this. We may have to manually position dampers.

- c) What are the MERV ratings of ventilation system filters? If not MERV 13 or greater, why not?
MERV 8
Above MERV 8 risks reduced airflow.
- 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
- 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.)?
N/A
- b) When the weather becomes more extreme (cold, rain) how will you continue to use windows and doors for ventilation?
N/A
- 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?
N/A
- b) How was this value (number of air changes) derived (CADR, volumetric flow, etc)?
N/A
- c) Can the PACs be operated for at least 2 hours after the space was occupied?
N/A
- 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- Bi-weekly flushing by custodial and plumbing staff
- b) How will you prevent out-of-service water fountains and sinks from becoming dead legs?
Any out of service water fountains will be shut off at branch line point of connection

This form was prepared by:

Name: Mike Wilkins

Phone: 415-239-3561

Email: mwilkins@ccsf.edu

Cleaning and Ventilation Protocols Questionnaire

Name of Facility: Ocean Campus - MUB HVAC

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.

N/A

b) If students or faculty are present when the equipment is used please identify what safety measures will be used to prevent exposures.

N/A

c) Please identify how employees operating equipment have/will be trained on safe use of the equipment and what PPE will be used.

N/A

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?

None of the above listed chemicals are used

b) Will these chemicals be applied while student or faculty are present?

N/A

c) What measures will be taken to prevent exposures?

N/A

d) Have you considered alternate disinfectants?

N/A

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.

N/A

b) Have ventilation systems been set to run on 100% outside (fresh) air? If not feasible, explain why.

N/A

c) What are the MERV ratings of ventilation system filters? If not MERV 13 or greater, why not?
N/A

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.
N/A

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.)?

Building has some operable windows, which can be used on as-needed basis

b) When the weather becomes more extreme (cold, rain) how will you continue to use windows and doors for ventilation? +

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?

N/A

b) How was this value (number of air changes) derived (CADR, volumetric flow, etc)?

N/A

c) Can the PACs be operated for at least 2 hours after the space was occupied?

N/A

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-Bi-weekly flushing by custodial and plumbing staff

b) How will you prevent out-of-service water fountains and sinks from becoming dead legs?

Any out of service water fountains will be shut off at branch line point of connection

This form was prepared by:

Name: Mike Wilkins

Phone: 415-239-3561

Email: mwilkins@ccsf.edu

Cleaning and Ventilation Protocols Questionnaire

Name of Facility: Ocean Campus - Science HVAC

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.

N/A

b) If students or faculty are present when the equipment is used please identify what safety measures will be used to prevent exposures.

N/A

c) Please identify how employees operating equipment have/will be trained on safe use of the equipment and what PPE will be used.

N/A

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?

None of the above listed chemicals are used

b) Will these chemicals be applied while student or faculty are present?

N/A

c) What measures will be taken to prevent exposures?

N/A

d) Have you considered alternate disinfectants?

N/A

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, but HVAC does not cover the entire bldg.

b) Have ventilation systems been set to run on 100% outside (fresh) air? If not feasible, explain why.

Yes, but HVAC does not cover the entire bldg.

- c) What are the MERV ratings of ventilation system filters? If not MERV 13 or greater, why not?
MERV 8
Above MERV 8 risks reduced airflow.
- 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, but HVAC does not cover the entire bldg.
- 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.)?
Building has some openable windows, which can be used on as-needed basis +
- b) When the weather becomes more extreme (cold, rain) how will you continue to use windows and doors for ventilation?
Instructors/students will have to manually adjust windows and turn exhaust fans on/off +
- 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?
N/A
- b) How was this value (number of air changes) derived (CADR, volumetric flow, etc)?
N/A
- c) Can the PACs be operated for at least 2 hours after the space was occupied?
N/A
- 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- Bi-weekly flushing by custodial and plumbing staff
- b) How will you prevent out-of-service water fountains and sinks from becoming dead legs?
Any out of service water fountains will be shut off at branch line point of connection

This form was prepared by:

Name: Mike Wilkins

Phone: 415-239-3561

Email: mwilkins@ccsf.edu

Cleaning and Ventilation Protocols Questionnaire

Name of Facility: Ocean Campus - Smith HVAC

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.

N/A

b) If students or faculty are present when the equipment is used please identify what safety measures will be used to prevent exposures.

N/A

c) Please identify how employees operating equipment have/will be trained on safe use of the equipment and what PPE will be used.

N/A

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?

None of the above listed chemicals are used

b) Will these chemicals be applied while student or faculty are present?

N/A

c) What measures will be taken to prevent exposures?

N/A

d) Have you considered alternate disinfectants?

N/A

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.

Yes

- c) What are the MERV ratings of ventilation system filters? If not MERV 13 or greater, why not?
MERV 8
Above MERV 8 risks reduced airflow
- 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
- 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.)?
Building has some operable windows, which can be used on as-needed basis +
- b) When the weather becomes more extreme (cold, rain) how will you continue to use windows and doors for ventilation?
Primary air exchange performed by HVAC system when windows are closed. +
- 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?
N/A
- b) How was this value (number of air changes) derived (CADR, volumetric flow, etc)?
N/A
- c) Can the PACs be operated for at least 2 hours after the space was occupied?
N/A
- 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- Bi-weekly flushing by custodial and plumbing staff
- b) How will you prevent out-of-service water fountains and sinks from becoming dead legs?
Any out of service water fountains will be shut off at branch line point of connection

This form was prepared by:

Name: Mike Wilkins

Phone: 415-239-3561

Email: mwilkins@ccsf.edu

Cleaning and Ventilation Protocols Questionnaire

Name of Facility: Ocean Campus - Student Health HVAC

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.

N/A

b) If students or faculty are present when the equipment is used please identify what safety measures will be used to prevent exposures.

N/A

c) Please identify how employees operating equipment have/will be trained on safe use of the equipment and what PPE will be used.

N/A

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?

None of the above listed chemicals are used

b) Will these chemicals be applied while student or faculty are present?

N/A

c) What measures will be taken to prevent exposures?

N/A

d) Have you considered alternate disinfectants?

N/A

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.

Yes

- c) What are the MERV ratings of ventilation system filters? If not MERV 13 or greater, why not?
MERV 8
Above MERV 8 risks reduced airflow
- 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
- 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.)?
Building has some operable windows, which can be used on as-needed basis +
- b) When the weather becomes more extreme (cold, rain) how will you continue to use windows and doors for ventilation?
Primary air exchange performed by HVAC system when windows are closed. +
- 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?
N/A
- b) How was this value (number of air changes) derived (CADR, volumetric flow, etc)?
N/A
- c) Can the PACs be operated for at least 2 hours after the space was occupied?
N/A
- 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- Bi-weekly flushing by custodial and plumbing staff
- b) How will you prevent out-of-service water fountains and sinks from becoming dead legs?
Any out of service water fountains will be shut off at branch line point of connection

This form was prepared by:

Name: Mike Wilkins

Phone: 415-239-3561

Email: mwilkins@ccsf.edu

Cleaning and Ventilation Protocols Questionnaire

Name of Facility: Ocean Campus - Visual Arts HVAC

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.

N/A

b) If students or faculty are present when the equipment is used please identify what safety measures will be used to prevent exposures.

N/A

c) Please identify how employees operating equipment have/will be trained on safe use of the equipment and what PPE will be used.

N/A

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?

None of the above listed chemicals are used

b) Will these chemicals be applied while student or faculty are present?

N/A

c) What measures will be taken to prevent exposures?

N/A

d) Have you considered alternate disinfectants?

N/A

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.

We are evaluating whether we can do this manually.

- c) What are the MERV ratings of ventilation system filters? If not MERV 13 or greater, why not?
MERV 8
Above MERV 8 risks reduced airflow
- 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
- 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.)?
Building has some operable windows, which can be used on as-needed basis
- b) When the weather becomes more extreme (cold, rain) how will you continue to use windows and doors for ventilation?
Instructors and students would have to manually adjust windows.
- 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?
N/A
- b) How was this value (number of air changes) derived (CADR, volumetric flow, etc)?
N/A
- c) Can the PACs be operated for at least 2 hours after the space was occupied?
N/A
- 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- Bi-weekly flushing by custodial and plumbing staff
- b) How will you prevent out-of-service water fountains and sinks from becoming dead legs?
Any out of service water fountains will be shut off at branch line point of connection

This form was prepared by:

Name: Mike Wilkins

Phone: 415-239-3561

Email: mwilkins@ccsf.edu

Cleaning and Ventilation Protocols Questionnaire

Name of Facility: Ocean Campus - Wellness HVAC

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.

N/A

b) If students or faculty are present when the equipment is used please identify what safety measures will be used to prevent exposures.

N/A

c) Please identify how employees operating equipment have/will be trained on safe use of the equipment and what PPE will be used.

N/A

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?

None of the above listed chemicals are used

b) Will these chemicals be applied while student or faculty are present?

N/A

c) What measures will be taken to prevent exposures?

N/A

d) Have you considered alternate disinfectants?

N/A

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.

Yes

- c) What are the MERV ratings of ventilation system filters? If not MERV 13 or greater, why not?
MERV 8
Above MERV 8 risks reduced airflow
- 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
- 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.)?
Building has some operable windows, which can be used on as-needed basis +
- b) When the weather becomes more extreme (cold, rain) how will you continue to use windows and doors for ventilation?
Primary air exchange performed by HVAC system when windows are closed. +
- 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?
N/A
- b) How was this value (number of air changes) derived (CADR, volumetric flow, etc)?
N/A
- c) Can the PACs be operated for at least 2 hours after the space was occupied?
N/A
- 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- Bi-weekly flushing by custodial and plumbing staff
- b) How will you prevent out-of-service water fountains and sinks from becoming dead legs?
Any out of service water fountains will be shut off at branch line point of connection

This form was prepared by:

Name: Mike Wilkins

Phone: 415-239-3561

Email: mwilkins@ccsf.edu