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This Fume Hood has a 6 Sash Configuration, some may have 8

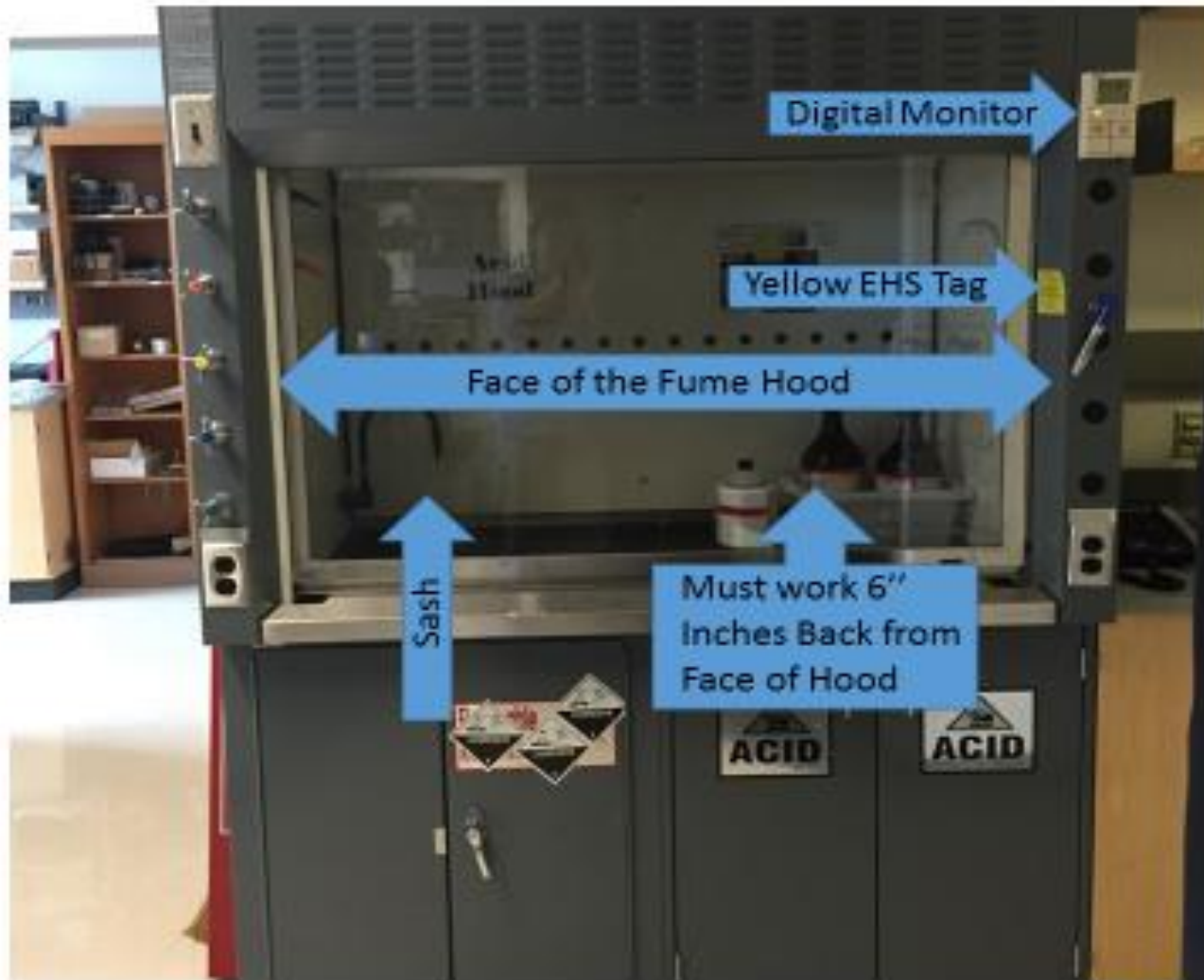
Yellow EHS tag

Digital Monitor

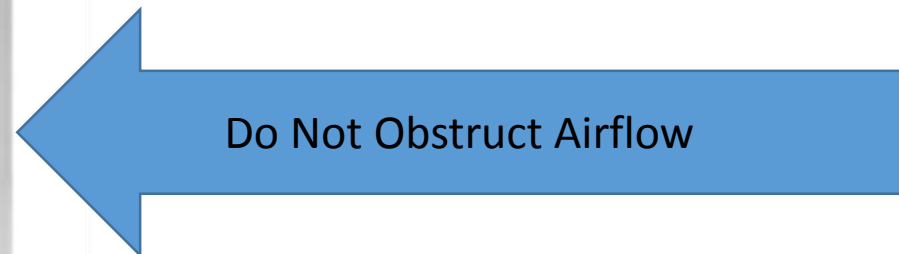
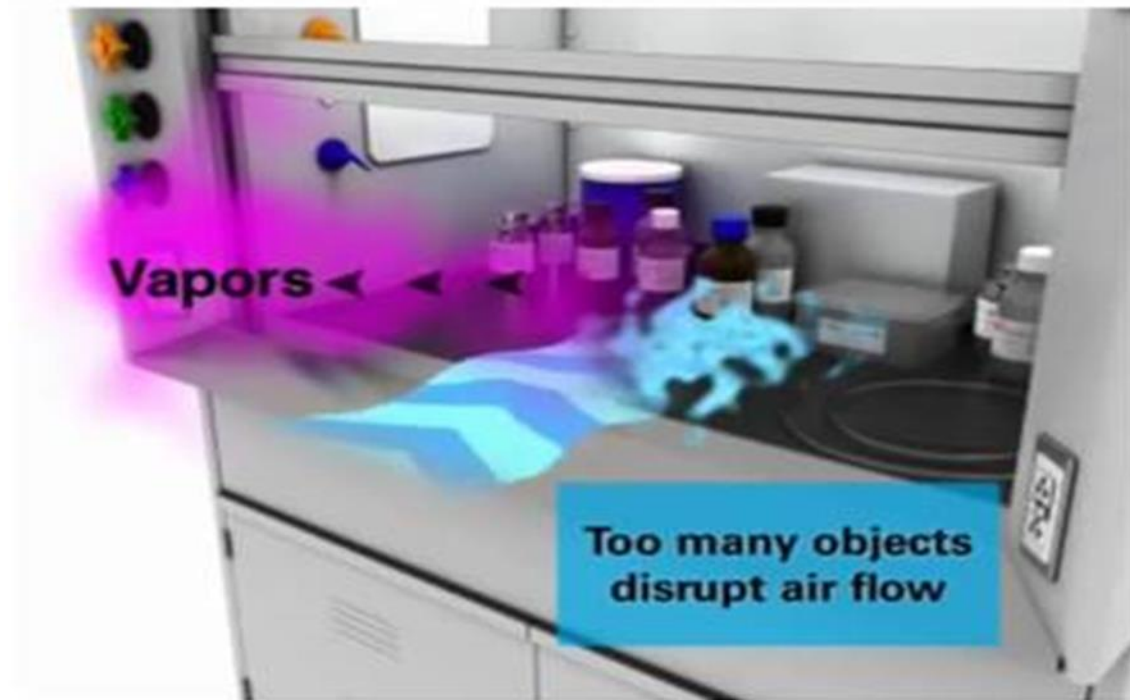
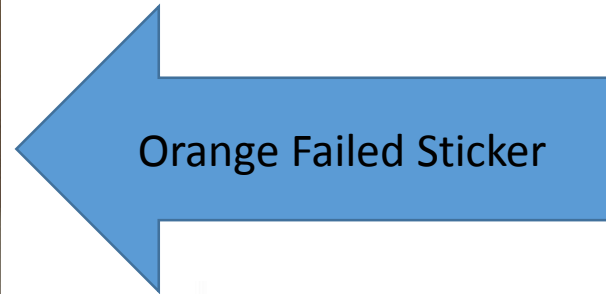
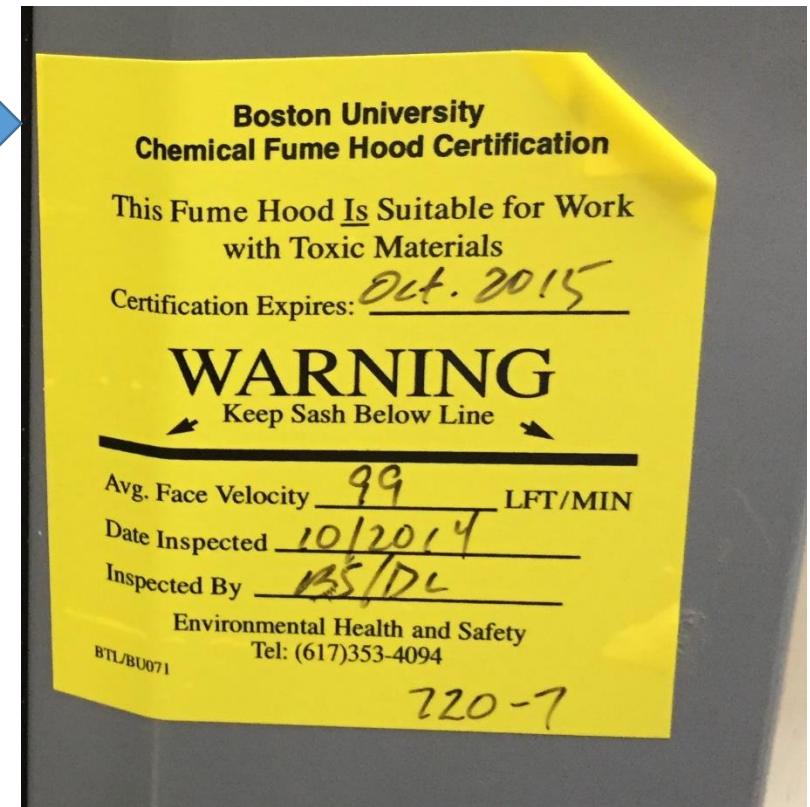
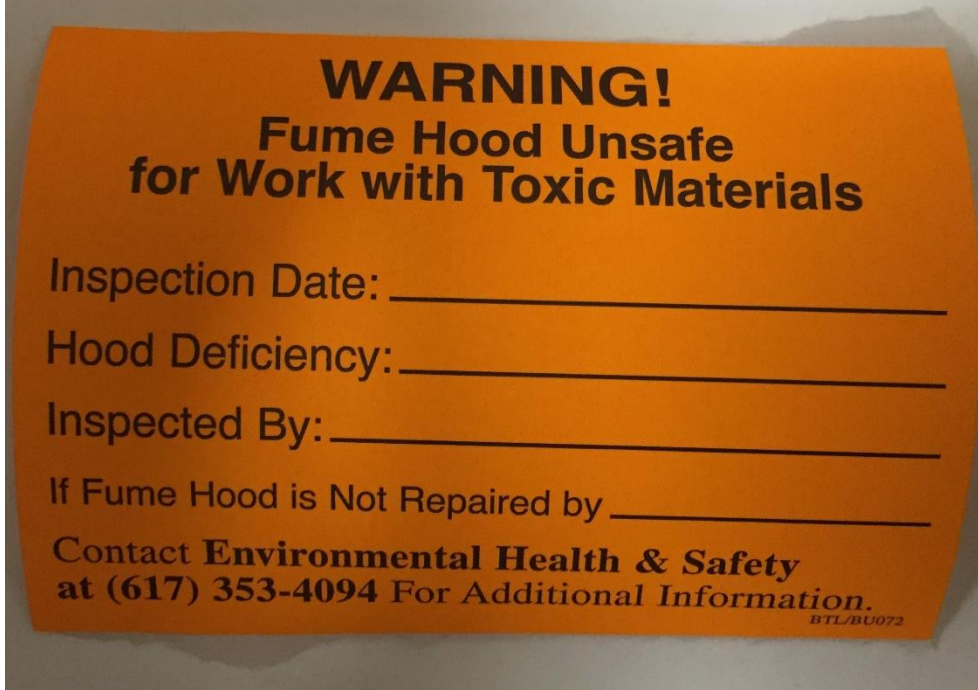
Face of the Fume Hood

Must work 6"
Inches Back from
Face of Hood

Horizontal Sash Configuration



Vertical Sash Configuration



PROPER USE OF CHEMICAL FUME HOOD VERTICAL/HORIZONTAL SASH(ES)

Sequence Number	Supporting Task and Subtask Analysis	Identify hazards	Assess hazard	Develop Control Measures
1.0	Supporting task: What type of materials are acceptable for handling or use in fume hood type			
1.1	Subtask: Check manufacturers guidelines on acceptable material usage for fume hood type	Physical hazards I II	Low Risk	Know the fume hood model specification Maintain situational awareness for body and appendages
1.2	Subtask: Proper selection of fume hood type DO NOT USE for perchloric acid, radioisotope, biological agents, and/or other hazardous materials deemed inappropriate from the manufacturers	Physical hazards III Inhalation hazards V VI VII	High Risk	Use another type of hood for specific hazardous materials (eg. perchloric acid, radioisotope, biological agents)
2.0	Supporting task: Proper placement of sash(es) for work zone			
2.1	Subtask: <i>Vertical sash only</i> Place the bottom of the sash even or below the black arrow on the yellow EHS certification tag.	Physical hazards I II	Low Risk	Maintain situational awareness for body and appendages If shielded work zone required, keep sash as low as possible without impeding appendages or sight lines
2.2	Subtask: <i>Horizontal sash(es) only</i> <ul style="list-style-type: none"> Shielded work zone-position sash(es) directly in front of user and place others sashes equally to left or right 	Physical hazards I II	Low Risk	Position sash(es) directly in front of user and place others sash(e) equally to left or right Maintain situational awareness for body and appendages

Physical Hazards

- (I)= Cuts, Crush, and Pinch to Body of User
 (II)= Eyestrain or Muscular Strain to Body of User
 (III)= Dermal Irritation or Burns to Body of User
 (IV)= Slip, Trips, and Falls

Inhalation Hazards

- (V) = Asphyxiation Hazard for contact with Liquids/Powders/Vapors
 (VI) = Poisoning for contact with Liquids/Powders/Vapors
 (VII) = Death for contact with Liquids/Powders/Vapors

PROPER USE OF CHEMICAL FUME HOOD VERTICAL/HORIZONTAL SASH(ES)

	<ul style="list-style-type: none"> Open work zone-equally distribute sash(es) to create a middle open work zone 			Equally distribute sash(es) to create a middle open work zone
3.0	Supporting Task: What is the monitor type? Digital or analog and possible emergency functions			
3.1	Subtask: Digital-When in use the flow rate shall between 80-120 fpm. If audible alarm is sounding, contact Control Desk at 617-638-4144 (Med Campus) or FMP desk at 617-353-2105 (CRC) Contact EHS if you have any questions	Physical hazard II	Low Risk	Know the fume hood model specification Report the fume hood alarm and sensor issues to 617-638-4144 (Med Campus) or 617-353-2105 (CRC) Maintain situational awareness for body and appendages
3.2	Subtask: Analog-Green and yellow lights illuminated are okay for use. Red light illuminated, DO NOT USE and contact Control Desk at 617-638-4144 (Med Campus) FMP Desk at or 617-353-2105 (CRC). Contact EHS if you have any questions	Physical hazard II	Low Risk	Know the fume hood model specification Report the fume hood alarm and sensor issues to 617-638-4144 (Med Campus) or 617-353-2105 (CRC) Maintain situational awareness for body and appendages
3.3	Subtask: Exhaust button- only utilized during spills or emergency conditions. Sash(es) must be fully closed before use and shut off manually by button	Physical hazard II		Maintain situational awareness for body and appendages

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PROPER USE OF CHEMICAL FUME HOOD VERTICAL/HORIZONTAL SASH(ES)

4.0	Supporting Task: Confirm fume hood flow conditions			
4.1	Subtask: If orange EHS sticker is present, DO NOT USE FUME HOOD contact Control Desk at 617-638-4144 (Med Campus) or FMP Desk at 617-353-2105 (CRC). Contact EHS if you have any questions	Physical hazard II	Low Risk	DO NOT USE and contact 617-638-4144 (Med Campus) or 617-353-2105 (CRC). Contact EHS if you have any questions Maintain situational awareness for body and appendages
4.2	Subtask: Confirm valid expiration date on yellow EHS tag. If it has expired, contact EHS and await instructions before use	Physical hazard II	Low Risk	Contact EHS and await instructions before use Maintain situational awareness for body and appendages
4.3	Subtask: Secondary means of flow verification-i.e. hold KimWipe at sash opening to view inner ward flow. If outward flow DO NOT USE and contact Control Desk at 617-638-4144 (Med Campus) or FMP Desk at 617-353-2105 (CRC)	Physical hazard I II	Low Risk	Maintain situational awareness for body and appendages DO NOT USE and contact 617-638-4144 (Med Campus) or 617-353-2105 (CRC)
5.0	Supporting Task: Proper work practices for fume hood use			
5.1	Subtask: Ensure a clean work area free of unnecessary obstruction including: <ul style="list-style-type: none"> Nonessentials stock bottles, equipment, and disposal items(i.e. KimWipe box) Elevate semi-permanent equipment or apparatus 	Physical hazards I II Inhalation hazard V VI VII	Low Risk	Maintain situational awareness for body and appendages. Must sure all lids are secure and carry and lift bottles with two hands Remove all tripping hazards for pathway

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PROPER USE OF CHEMICAL FUME HOOD VERTICAL/HORIZONTAL SASH(ES)

5.2	Subtask: All work must be performed at a minimum of 6 inches from face of sash(es)	Physical hazards I II Inhalation hazard V VI VII	Low Risk	Maintain situational awareness for body and appendages Do not place or manipulate materials within the first 6 inches of the fume hood
5.3	Subtask: All tasks must be performed directly in front of user with limited side to side rotation	Physical hazards I II	Low Risk	Maintain situational awareness for body and appendages.
5.4	Subtask: All movements inside of the fume hood or near the face of the fume hood shall be slow and methodical	Physical hazards I II Inhalation hazard V VI VII	Low Risk	Maintain situational awareness for body and appendages. Do not use fast and anti-methodical movements
6.0	Supporting Task: End of active fume hood use			
6.1	Subtask: Make sure all nonessential equipment/materials is removed from fume hood or in off position	Physical hazards I II III IV	Low Risk	Maintain situational awareness for body and appendages. Must sure all lids are secure and carry and lift bottles with two hands

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PROPER USE OF CHEMICAL FUME HOOD VERTICAL/HORIZONTAL SASH(ES)

6.1	Subtask: Make sure all nonessential equipment/materials is removed from fume hood or in off position	Inhalation hazard V VI VII		Remove all tripping hazards for pathway
6.2	Subtask: Close sash(es) so there is no opening at the face of the fume hood (this includes unattended experiments)	Physical hazards I II	Low Risk	Maintain situational awareness for body and appendages

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