

Compliant Nail Salon Ventilation



What are the BPHC Nail Salon Regulation ventilation requirements?

According to the BPHC Nail Salon Regulation:

- ◆ New salons applying for their first permit after October 17, 2013 must comply immediately, in order to receive their permit
- ◆ Any salon who has applied for a permit before October 17, 2013 will have 5 years to achieve compliance
- ◆ By October 17, 2018, all salons must be compliant

To demonstrate compliance, all salons must submit:

- ◆ A BPHC ventilation checklist that has been completed and stamped by a licensed mechanical engineer
- ◆ A mechanical engineer's report showing that the ventilation system meets the requirements

What kind of ventilation is required? Your salon's ventilation system must meet all IMC criteria, such as the following:

- ◆ Mechanical ventilation system exhausts fumes to the exterior (0.6 CFM/FT²)
- ◆ Mechanical ventilation system brings air into the salon (0.12 CFM/FT² + 20 CFM/occupant)
- ◆ Makeup air and exhaust air ducts are separate; there is no mixing, recirculating, or partial makeup air
- ◆ *Source capture* at manicure tables and foot baths (capable of exhausting a minimum of 50 CFM per station)

What is *source capture*?

Source capture takes in air at the point of service and exhausts it out of the salon

- ◆ Point of service: Where nail services are offered within the salon space (manicure stations, pedicure stations)

The air must be exhausted to the outside of the salon after it is captured

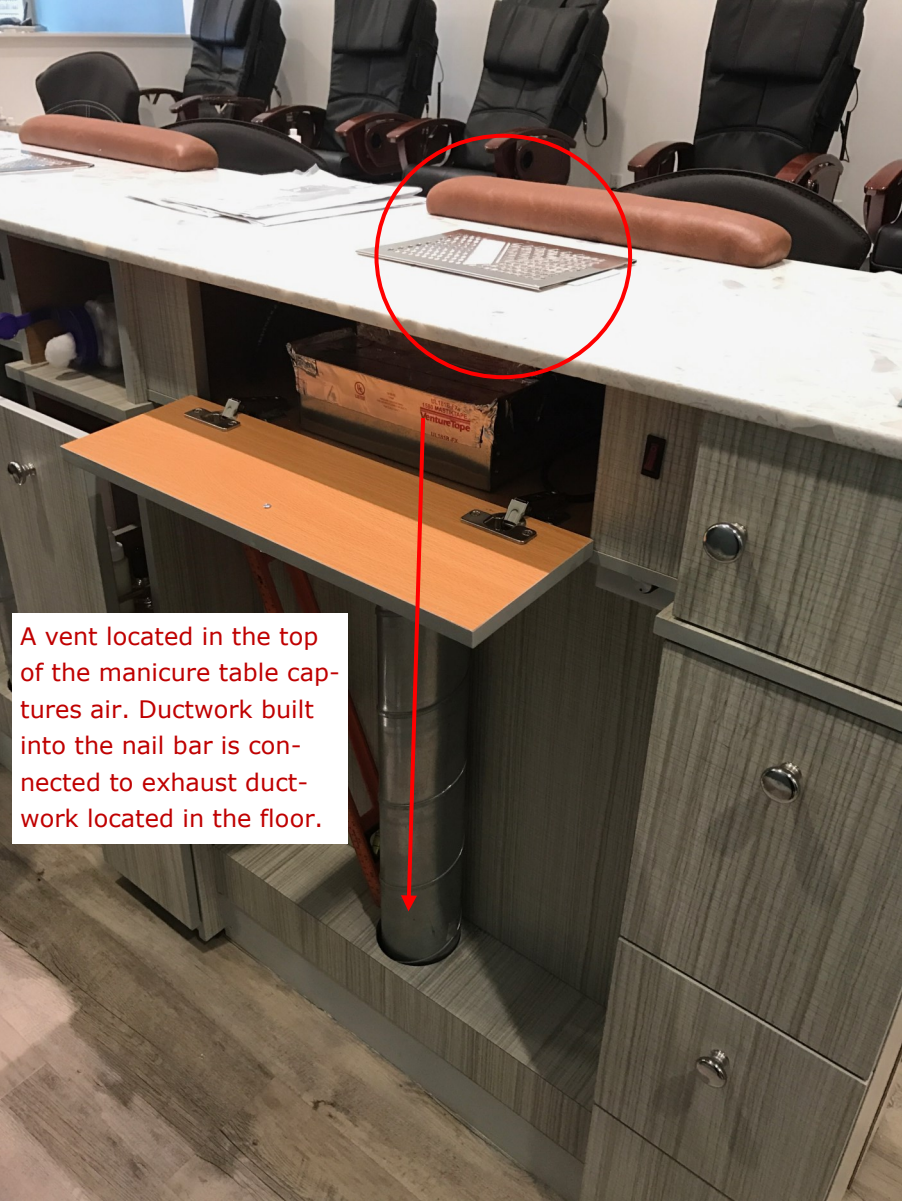
- ◆ Captured air may not mix with the salon air or recirculate back into the salon space

NOTE: Ventilation that complies with the requirements may not fully address industrial hygiene (toxics exposure) in a salon.

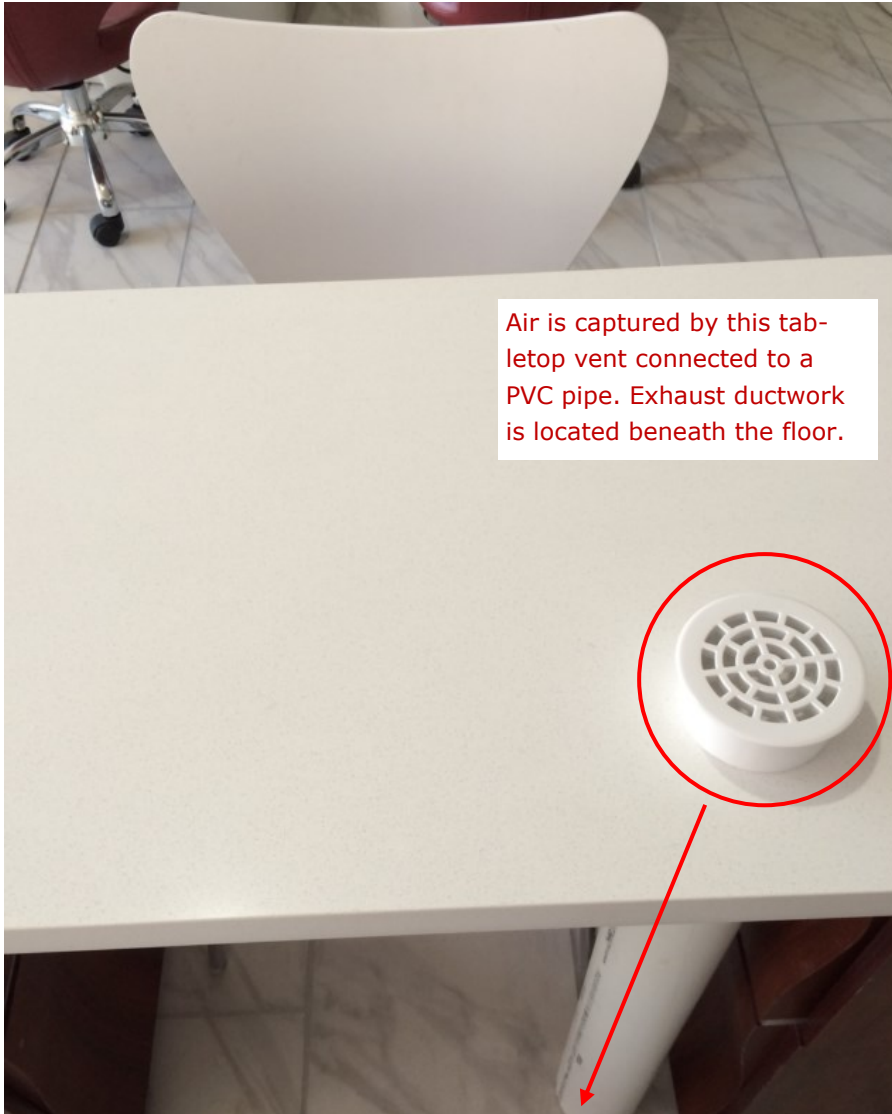
Salon Example 1



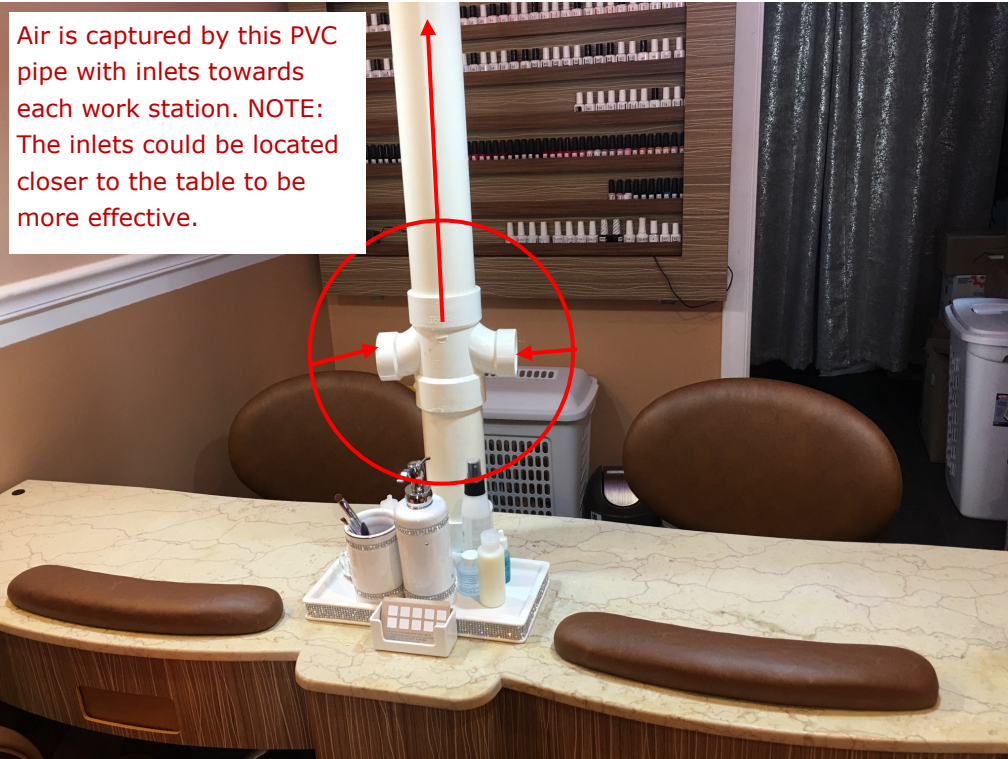
Salon Example 2



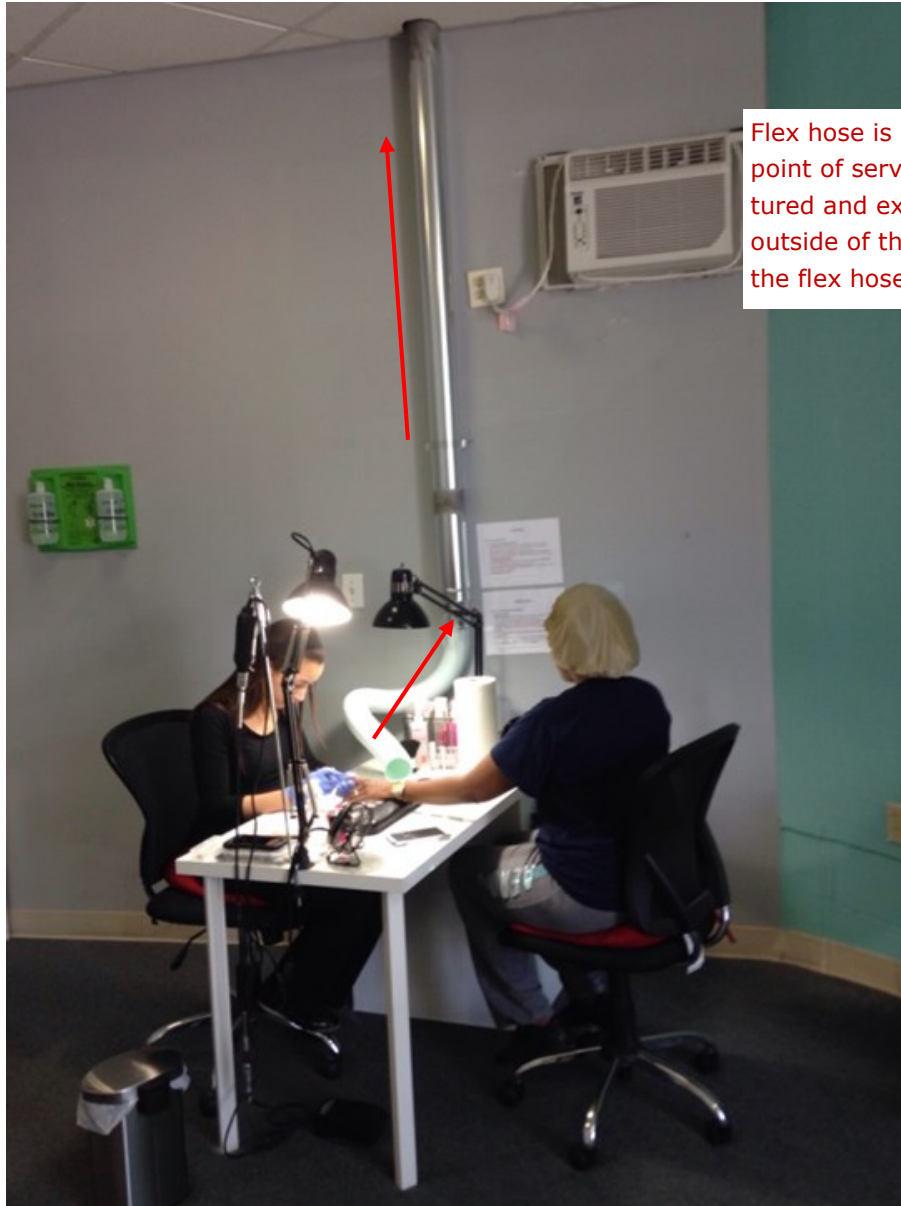
Salon Example 3



Salon Example 4



Salon Example 5



Flex hose is brought to the point of service. Air is captured and exhausted to the outside of the salon through the flex hose.



Example 6



Additional Things to Keep in Mind

Source capture ventilation may look and operate differently from salon to salon. It may:

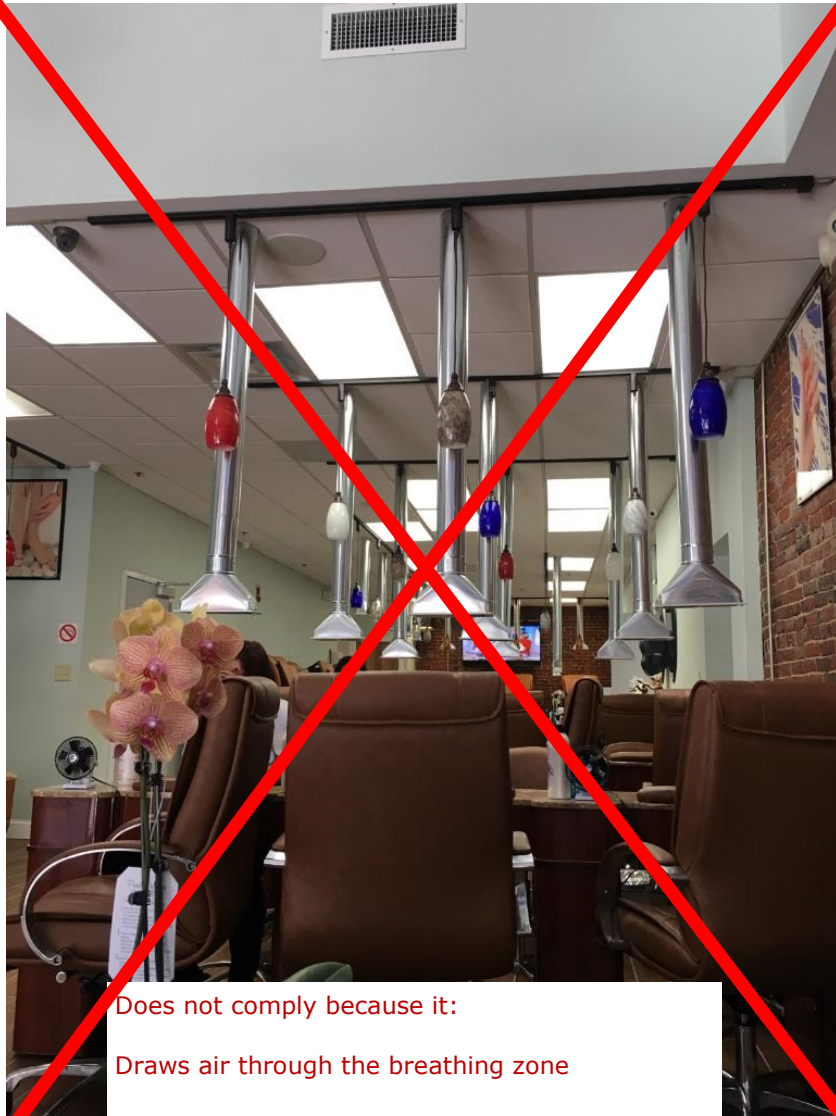
- A. Be exposed or covered by walls, the ceiling, etc.
- B. Be made of sheet metal, flex hose, PVC pipe, etc.
- C. Come from the floor, ceiling, or walls
- D. Extend through the salon equipment or rest on top of it
- E. Have multiple fan speeds, or one fan speed
- F. Be controlled at each point of service (with a louver or switch), or be controlled entirely with one switch

What inspectors look for*:

1. Does the salon have general room ventilation?
2. Does the general room ventilation operate?
3. Does the salon have source capture at every pedicure chair and manicure table?
4. Does the source capture operate?
5. Is the source capture at the point of service? Generally, this is within 18 inches from the point of service, and not drawing air through the breathing zone.
6. Does the source capture connect to the exhaust ductwork?

*** The answer to all of these questions must be YES for the salon's ventilation to comply. If the answer to any of these questions is NO, then the salon's ventilation does not comply.**

What does non-compliance look like?



Does not comply because it:

Draws air through the breathing zone

Is located too far away from the source to capture air generated at the point of service



Does not comply because it:

Recirculates air back into the salon space, rather than exhausts it out of the building