



Ventilation 1367

Moving the standard forward

Point Pleasant Fire Protection District



Boone County Kentucky

Tactical Considerations

The concepts of PPV remain the same, even on a larger scale.

There should be one point of air entry (where the unit will set up), and one point of ventilation exit.

Prior to arrival of the unit, the IC should have an idea of what the path of air flow will be and plan accordingly, keeping in mind tactics will change dependent upon the product being vented (smoke-lighter than air; chemical-heavier than air)

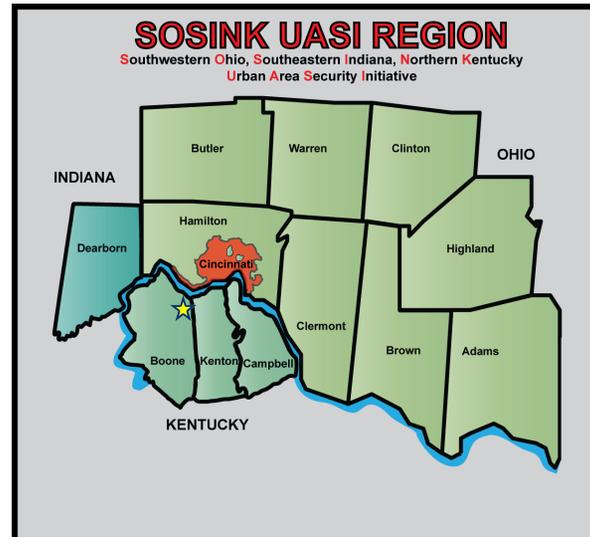
The unit is extremely loud and will interfere with any communications attempted in the area. Consider setting up command posts and division leaders away from point of operation.

If being used for fire attack, two critical rules must be remembered:

1. Never have personnel operating between the fire and ventilation exit. The unit has the very real potential to create a wind driven fire capable of seriously injuring or killing personnel in this area. Personnel should operate between the ventilation unit and the fire so they will have a clean pocket in which to operate.
2. Always have attack lines in place, ready to deploy as soon as ventilation is started. In the process of pushing the bad air out of the building, the unit will feed fresh air to the fire. Ventilation controlled fires will initially increase in size substantially.

Location

The Point Pleasant Fire Protection District is conveniently located immediately adjacent to the Greater Cincinnati Northern Kentucky International Airport with immediate access to I-275 and I-71/75. Immediate interstate access translates into a quicker response time to your incident.



The Point Pleasant Fire Protection District would like to thank the SOSINK UASI Steering Committee, the Hamilton County Department of Homeland Security and the United States Department of Homeland Security for their support and funding of this vehicle.

Point Pleasant Fire Protection District

3444 Turfway Road

Boone County, KY 41018

Phone: 859-283-2798

Fax: 859-283-2104



Answering large ventilation needs



Capabilities

Ventilation 1367 is capable of ventilation amounts of 100,000 to 730,000 CFM at wind speeds that can exceed 100 mph. The unit has an exhaust extension so it will blow clean air, without CO, into the affected area.

Having owned and operated a large, mobile ventilation unit since 1992; our department has responded to multiple and various large ventilation incidents to include buildings, tunnels, and even a cave. We have provided large volume, positive pressure ventilation to help mitigate fires and HAZMAT incidents. For big box buildings, the option presented by these large ventilation units can seriously impact eventual incident outcome and time spent on scene.



Retired 1367

Additional Capabilities

The unit also has a misting ring which can be supplied by a standard 1 3/4" hand-line with NH thread. The misting ring will supply water vapor into the airflow. This misted air can be used for additional cooling properties or for vapor knock down.



Additional Equipment

The unit is equipped with six smaller PPV fans which can be used to control additional structural openings or vent isolated compartments within the structure. These six fans are electric and produce no emissions.



Monitoring Equipment



To fully assess the atmospheric hazards present and evaluate the effectiveness of ventilation efforts, the unit is equipped with several monitors. In addition to a standard 4 gas monitor that measures O₂, CO, H₂S, and LEL, the unit

is equipped with two Kestrel wind meters that measure CFM, pressure, temperature and wind speed.

Dispatch Information and Procedures

Ventilation 1367 can be dispatched through contacting Boone PSCC (859) 371-1234. When requesting the unit, the IC should provide the following incident information:

1. Incident Location
2. Nature of Incident
3. Nature of Response (Emergency or Non-Emergency)
4. Check-in location upon arrival
5. Group Assigned/Supervisor
6. Operational Channel

For incidents in Northern Kentucky, the unit is equipped to broadcast on most commonly used VHF frequencies. When en route, the unit will automatically switch to the destination agency's dispatch channel. IC's should advise specific tactical channels that will be utilized.

For incidents to other areas, communication will be an issue. The unit is not equipped with an 800 MHz radio, so either a portable radio must be issued, a local officer with a radio should be assigned to the unit, or a patch will have to be established.

Assignment

Upon arrival, the crews of ventilation 1367 will expect to be assigned to a ventilation group in the command structure. IC's should advise if they will integrate into an existing group and who the group leader is; or if a new vent group will be formed and 1367's crew will now comprise and lead the group.