



Southaven Fire Department

Fire Marshal's Office

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Southaven, Mississippi 38671

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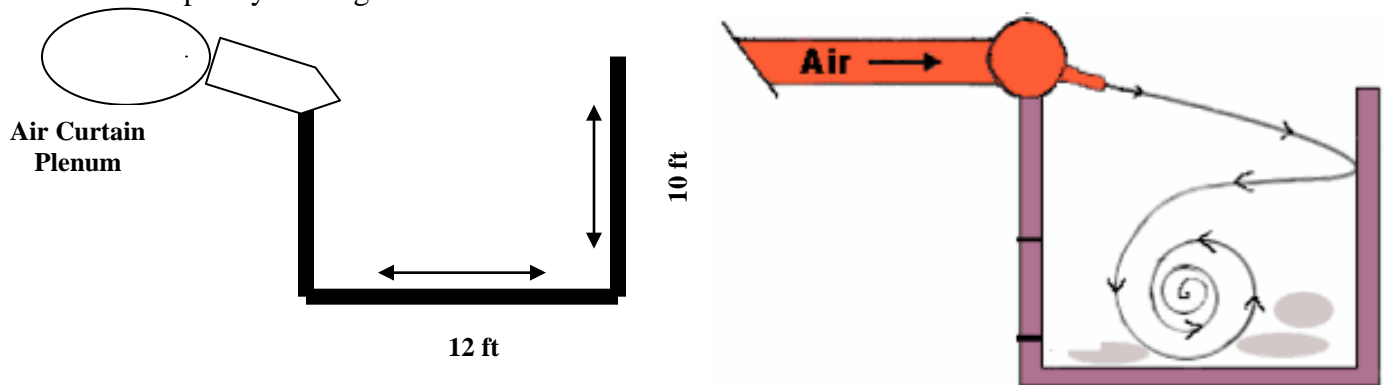
BURN PIT SPECIFICATIONS



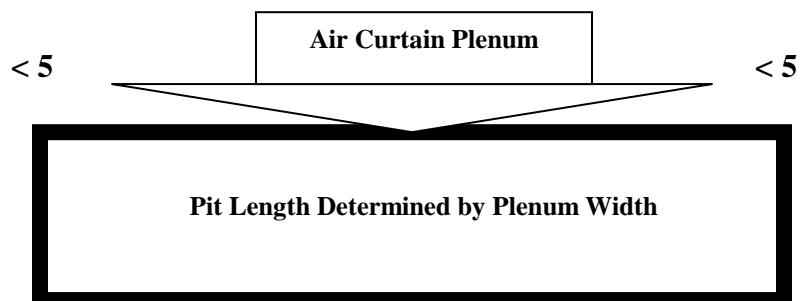
The Air Curtain Destructor (blower) blows a sheet of air across the top of the pit to increase burning efficiency and reduce smoke and fly ash emissions. The air curtain's nozzles are slanted so they impact about three (3) feet below the surface on the side opposite the blower. The air curtain does not blow directly down into the fire. In a properly operating pit, the air current rolls under and oxygenates the fire for more complete combustion. The pit walls must be vertical (not sloped or slanted). The pit must be no more than twelve (12) feet wide because the air stream must reach the far side. A pit width of less than twelve (12) feet should be used for smaller air blowers.

The pit length is determined by the length of the air curtain plenum (blower manifold). The plenum should be centered on the pit and the pit length can extend up to a maximum of five (5) feet beyond each end of the plenum.

The pit must be at least ten (10) feet deep. Pit depth is determined by available digging equipment and the water table. A pit cannot be permitted where groundwater is encountered during the construction. Deeper pits usually burn better. Temporary fencing to be erected around Pit area at all times when inactive and unattended.



Pit Side View



Pit Top View