

## Southaven Fire Department

## Fire Marshal's Office 8710 Northwest Drive Southaven, Mississippi 38671

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## **BURN PIT SPECIFICATIONS**



The Air Curtain Destructor (8,000 cfm min.) 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 <u>not</u> 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. Pits cannot be located within 150 feet of property line, structure, overhead power line, public road or 1,000 feet from a second destructor.

The pit length is determined by the length of the air curtain plenum. The plenum shall 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. Clean out ramp (if provided) shall have soil barrier prior to burning.

The pit must be at least ten (10) feet minimum deep. All material must remain beneath air curtain at all times, no overloading. Pit depth is determined by available digging equipment and the water table. A pit cannot be permitted where groundwater is encountered during the construction of pit. Deeper pits usually burn better. A "stop guide" or restraint shall be provided at the loading site of the pit to keep the loader from getting too close to the pit during operation. Temporary fencing to be erected around Pit area at all times when inactive and unattended.

The permit fee for a temporary controlled burn pit is \$150. An additional permit fee and inspection is required if the burn pit is relocated or if burning is necessary beyond the 30-day limit.

