

201-R-179 AIR-CURTAINED OPEN-PIT INCINERATION OF NATURAL GROWTH  
REQUIRED*(Revised 09-01-05)*

The Indiana Department of Environmental Management has issued an approved variance from 325.1 IAC 4-1 (Open Burning) to the Department for use of an air-curtained open-pit incinerator for burning of natural growth for the contract. The variance application and approval letter will be transferred to the Contractor upon contract award. The Contractor shall then complete the variance application as to the type of air curtain intended for use. Such variance application shall then be submitted to the Indiana Department of Environmental Management for their approval. Upon approval of the air curtain type, the variance approval letter and the letter approving the air curtain type shall be kept available at the burning site for review upon request by State or local officials. The Contractor shall be responsible for obtaining extensions or renewals, if required, for the variance.

Burning of natural growth by means of an air-curtained open-pit incinerator shall be in accordance with the conditions set out below.

- (a) Only untreated wood products shall be burned, except for minimal amounts of uncontaminated petroleum products which may be used for ignition.
- (b) Tires shall not be used for ignition and shall not be burned on the wood pile.
- (c) Merchantable wood products shall not be burned.
- (d) Fires shall be conducted under favorable weather conditions such as relatively calm winds not blowing toward populated areas. Fires shall not be conducted during temperature inversions or when an air pollution alert is in effect.
- (e) Fires shall be conducted a minimum of 500 ft (152 m) from commercial or residential dwellings, power lines, or major roads.
- (f) An air-curtained incinerator shall not be located within 1,000 ft (300 m) of a sanitary landfill or transfer station as defined in 329 IAC 1.5.
- (g) The air-curtained incinerator shall be attended at all times during burning and until combustion is complete. Adequate fire fighting equipment shall be maintained at the site at all times during operation.
- (h) If a fire creates an air pollution problem, a nuisance, or a fire hazard, such fire shall be immediately extinguished.
- (i) The air-curtained incinerator and pit shall be maintained and operated in accordance with the manufacturer's specifications and recommendations.
- (j) The air-curtained incinerator shall not be operated prior to one hour after sunrise. The fire shall not be fed within 2 h before sunset. The fire shall be completely

extinguished before sunset, and then at least one foot of dirt shall be placed over the ashes in the pit before sunset.

- (k) Material being loaded into the pit shall be picked up and dropped into the pit. At no time shall the material in the pit be permitted to project through the curtain of air while burning.
- (l) All burning shall be in accordance with other State and local regulations, such as those of the local health department.
- (m) The owner or operator or an air-curtained incinerator shall provide notifications in advance to the local fire department and local health department of the dates and times such incinerator will be in operation.
- (n) The fan blades of the air-curtained incinerator shall be regularly cleaned to reduce buildup of dirt and debris.
- (o) All canisters shall be properly aligned, connected, and maintained so as to prevent leaks between adjacent canisters.
- (p) The nozzles shall be maintained in acceptable working condition.
- (q) The engine which runs the air-curtained incinerator fan shall be maintained in proper working condition.
- (r) The width of the pit shall not extend beyond the length of the nozzle action.
- (s) The distance from the air-curtained incinerator to the opposite wall of the pit shall not exceed 10 ft (3 m).
- (t) The depth of the pit shall be of such distance to permit all burning material to be below the curtain of air created by the air-curtained incinerator. The bottom of the pit shall not be lower than the water table.
- (u) All nozzles shall be aligned and directed toward the opposite wall such that the air strikes the opposite wall approximately 3 to 4 ft (1 m to 1.2 m) below the grade upon which the air-curtained incinerator is located.
- (v) The air-curtained incinerator shall not be at a higher elevation than the elevation of the opposite wall.
- (w) The pit shall be enclosed on 4 sides. The walls shall be perpendicular to level ground. Burning will not be permitted in areas where a pit may not be constructed and maintained due to the presence of non-cohesive soils such as loose sand.
- (x) Burning will not be permitted in peat or organic material deposit areas.

- (y) Fires shall be conducted on property where the waste from them will remain near where the wood material was removed.
  - (z) The summary sheet included with the variance approval letter shall be completed and submitted to the Department of Environmental Management within 10 days after burning is complete.
-