

Air Curtain Incinerators

Helpful Information for Owners/Operators

Air Curtain Incinerators (ACI) are a tool for the management of tree and wood debris. The Oklahoma Department of Environmental Quality (DEQ) will provide assistance to owner/operators to educate and make them aware of the requirements associated with an ACI.

Air Curtain Incinerators - What You Need to Know

- The U.S. Environmental Protection Agency requires that owner/operators of ACIs obtain operating permits. Operating permits are issued by DEQ's Air Quality Division.
- Material that can be burned in an ACI is limited to wood waste, clean lumber, yard brush, and a mixture of only wood waste, clean lumber, and/or yard brush.
- ACIs must be operated according to manufacturer specifications.
- An ACI is required for land clearing operations within counties with a population greater than 500,000 or counties that have been designated nonattainment for National Ambient Air Quality Standards (NAAQS). Currently Oklahoma and Tulsa Counties meet the population requirement.

Owner/Operators are required to keep records as follows:

- Initial Method 9 opacity test results conducted no later than 180 days after the ACI's initial startup (Method 9 tests can only be performed by certified individuals).
- Annual Method 9 opacity test results conducted no more than 12 calendar months following the date of the previous test.
- Monthly and 12-month rolling totals of the amount of material burned.
- Types of materials burned in the ACI.

Owner/Operators are subject to the following reporting requirements:

- Results of the initial Method 9 opacity test no later than 60 days following the initial test.
- Results of the annual Method 9 opacity test within 12 months following the previous report.
- Semi-Annual Monitoring and Deviation Report (SAR) due 30 days after each 6-month period. SARs report the results of any required monitoring. SAR forms are available for download on the DEQ website at <https://www.deq.ok.gov/air-quality-division/forms-public-participation/air-forms/>, under the Compliance/Enforcement tab.



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- Annual Certification of Compliance (ACC) due 30 days after each anniversary date of the issuance of the original operating permit. The ACC is a certification of compliance with the terms and conditions of the operating permit. ACC forms are available for download on the DEQ website at <https://www.deq.ok.gov/air-quality-division/forms-public-participation/air-forms/>, under the Compliance/Enforcement tab.
- Annual Emission Inventory (EI): The EI reports the amount of emissions emitted from the ACI during a calendar year. EIs are due by April 1st, yearly.

How DEQ can help

- The Air Quality Division (AQD) will provide assistance to applicants throughout the permitting process.
- AQD will provide assistance/training with record keeping and reporting.
- Environmental Complaints & Local Services Division (ECLS) will provide technical assistance regarding proper set-up and operation.

If you have any questions or need assistance regarding permitting, record keeping, reporting or operation, please call AQD at (405) 702-4100.