

# Air Curtain Incinerators

Facility Name: \_\_\_\_\_

Permit Number: \_\_\_\_\_

## Air Curtain Incinerator Information

1. Device ID number	
2. Existing or future	
3. Date construction/installation commenced (or anticipated)	
4. Date construction/installation completed (or anticipated)	
5. Projected start-up date	
6. Stationary or portable	<input type="checkbox"/> Stationary <input type="checkbox"/> Portable
7. If stationary, geographical coordinates (latitude/longitude or UTM)	
8. If stationary, attach a map showing the location of the air curtain incinerator	<input type="checkbox"/> Attached
9. If portable, home base	
10. What is the discharge height above ground level for this air curtain incinerator (feet)?	
11. Manufacturer	
12. Model number	
13. Serial number	
14. Date manufactured	
15. Description and use of air curtain incinerator:	

## Operating schedule

16. Projected maximum hours/day									
17. Projected maximum days/week									
18. Projected maximum weeks/year									
19. Seasonal use percentage	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Dec-Feb:</td> <td style="width: 25%;">Mar-May:</td> <td style="width: 25%;">Jun-Aug:</td> <td style="width: 25%;">Sep-Nov:</td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> <td></td> </tr> </table>	Dec-Feb:	Mar-May:	Jun-Aug:	Sep-Nov:				
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**Materials burned information**

20. Materials burned	a. Manufacturer's design process rate (tons/hour)	b. Actual annual process rate (tons/year)	c. Requested annual permit limit <sup>1</sup> (tons/year)
Trees			
Slash			
Yard waste			
Clean wood			
Other (describe)			

**21. Source of material that is burned:**

Public waste collection	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Commercial source	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Government source	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Other (describe)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

**22. Operations Plan**  Attached

The applicant must submit a draft Operations Plan for DEQ approval that includes the following components:

- **Materials Stockpile Plan**
  - The Materials Stockpile Plan must describe how the applicant will ensure that authorized materials are managed in a safe manner that minimized environmental impacts.
- **Startup/Shutdown Plan**
  - The Startup/Shutdown Plan must describe how the applicant will minimize smoke and emissions from the ACI during startup/shutdown operations.
- **Authorized Materials Management Plan**
  - The Authorized Materials Management Plan must describe how the applicant will ensure that only authorized materials will be burned and the associated monitoring that will be done.
- **Ash/Biochar Removal and Disposal Plan**
  - The Ash/Biochar Removal and Disposal Plan must describe how the applicant will minimize fugitive emissions during ash handling.

**23.** Are disposal fees collected in exchange for materials to be burned? Yes  No

**24.** Is the ACI producing biochar? Yes  No

**Air curtain incinerator engine**

**25.** Is the engine is used to propel the ACI? Yes  No

<sup>1</sup> Requested values will become permit limitations. Requested limits should consider future process growth.

26. Is the blower for this air curtain destructor powered by an internal combustion engine (e.g., diesel-fired)?

Yes  No  Other fuel: \_\_\_\_\_

If yes, this engine is also subject to permitting and reporting requirements. The Internal Combustion Engines and Turbines (AQ210) must be filled out in addition to this application form for the air curtain incinerator. Form AQ210 is available on the DEQ website at: <https://www.oregon.gov/deq/aq/aqPermits/Pages/ACDP-Simple.aspx>

**Emissions information**

The applicant must fill out the following forms to estimate emissions from the air curtain incinerator:

- AQ100CAO - Cleaner Air Oregon Pre-Application Fee Form
- AQ402 - Current/Future Emissions
- AQ403 - Hazardous Air Pollutant Emissions
- AQ405CAO - Emissions Inventory for Toxic Air Contaminants