

Title: Power plant exhaust hood design

Generated on: 2026-07-08 13:45:23

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Researchers at the Gas Dynamics Laboratory are working to broaden their knowledge of how the internal geometry of steam turbine exhaust hoods can affect power plant performance and ...

This report describes extensive analyses and tests conducted on Carolina Power and Light's (CP& L's) Mayo Generating Station low pressure turbines to investigate the feasibility of achieving heat rate ...

These definitions shall be used when specifying fume hoods and when designing fume hood exhaust systems at the University of Michigan.

There are two general categories of capture devices: (1) direct exhaust connections (DEC) and (2) hoods. As the name implies, a DEC is a section of duct (typically an elbow) into which the emissions ...

e turbine would noticeably decrease the turbine's thermal efficiency. An ideal exhaust hood should be designed with the largest possible axial size and incorporate smooth turns to decrease the exit ...

Download scientific diagram | 6 Optimum design of exhaust hood [146] from publication: Impact on heat rate and subsequent emissions due to varying ...

To solve this problem, an improved reinforced exhaust hood with multiple independent inlets was designed. Through adjustment of the velocities of these inlets, the vortices caused by wall ...

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