

WV OFFICE OF AIR QUALITY
45 CSR 25
PART B HAZARDOUS WASTE PERMIT APPLICATION

Process Vents. (40 CFR 264, Subpart AA)

The applicant must provide the following information in accordance with 40 CFR Part 264, Subpart AA or Part 265, Subpart AA. [§270.24]

- (1) Attach documentation of compliance with the process vent standards in §264.1032, including (See TABLE A-1) :
 - (a) Information and data identifying all affected process vents, annual throughput and operating hours of each affected unit, estimated emission rates for each affected vent and for the overall facility (i.e., the total emissions for all affected vents at the facility), and the approximate location within the facility of each affected unit (e.g., identify the hazardous waste management units on a facility plot plan);
 - (b) Information and data supporting estimates of vent emissions and emission reduction achieved by add-on control devices based on engineering calculations or source tests. For the purpose of determining compliance, make estimates of vent emissions and emission reductions using operating parameter values (e.g., temperatures, flow rates, or concentrations) that represent the conditions that exist when the waste management unit is operating at the highest load or capacity level reasonably expected to occur; and
 - (c) Information and data used to determine whether or not a process vent is subject to the requirements of §264.1032.
- (2) Facilities that cannot install a closed-vent system and control device to comply with the provisions of 40 CFR Part 264, Subpart AA or Part 265, Subpart AA on the effective date that the facility becomes subject to the provisions of these subparts, must attach an implementation schedule as specified in §264.1033(a)(2). (See TABLE A-2)
- (3) If the applicant proposes to use a control device other than a thermal vapor incinerator, catalytic vapor incinerator, flare, boiler, process heater, condenser, or carbon adsorption system to comply with the requirements of §264.1032, and chooses to use test data to determine the organic removal efficiency or the total organic compound concentration achieved by the control device, submit a performance test plan as specified in §264.1035(b)(3).
- (4) Attach documentation of compliance with §264.1033, including:
 - (a) A list of all information references and sources used in preparing the documentation;
 - (b) Records including the dates of each compliance test required by §264.1033(k);
 - (c) A design analysis, specifications, drawings, schematics, and piping and instrumentation diagrams based on the appropriate sections of "APTI Course 415: Control of Gaseous Emissions" or other engineering texts

acceptable to the Chief that present basic control device design information. The design analysis shall address the vent stream characteristics and control device operation parameters as specified in §264.1035(b)(4)(iii);

- (d) A statement signed and dated by the owner or operator certifying that the operating parameters used in the design analysis reasonably represent the conditions that exist when the hazardous waste management unit is or would be operating at the highest load or capacity level reasonably expected to occur; and
 - (e) A statement signed and dated by the owner or operator certifying that the control device is designed to operate at an efficiency of 95 weight percent or greater unless the total organic emission limits of §264.1032(a) for affected process vents at the facility can be attained by a control device involving vapor recovery at an efficiency less than 95 weight percent.
- (5) Design documentation and monitoring, operating, and inspection information for each closed-vent system and control device required to comply with the provisions of 40 CFR 264, Subpart AA. The information shall include:
- (a) Identification of operating parameters, description of monitoring sensor location, or locations used to comply with 264.1033(f)(1) and (f)(2).
 - (b) Inspection and and monitoring schedule for affected process vents.
 - (c) Manufacturer's specifications for calibration and maintenance of monitoring devices used to demonstrate compliance with 264.1033(f)(2).

TABLE A-1

SUMMARY OF PROCESS VENTS SUBJECT TO SUBPART AA

Process Vent Identification	Hazardous Waste Management Unit and Location	Description of Hazardous Waste Stream	EPA Hazardous Waste Code	Estimated Emissions (lb/hr or ton/yr)	Control Device Option
Example: PV-001	Air Stripper 1, See Figure X*.	Waste Halogenated Solvent	F001	10 lb/hr **.	Condenser
Example: PV-002	Steam Stripper 1, See Figure X.	Waste Halogenated Solvent	F001	< 10 ppmw	N/A***

* Figure X would be a drawing of the facility showing the locations of the affected equipment.
 **Attach calculations, assumptions and reference used to derive the emission estimate.
 *** Attach documentation supporting why the Process vent is not subject to control.

TABLE A-2

PROCESS VENTS SUBJECT TO SUBPART AA FOR WHICH EMISSIONS CONTROLS ARE NOT INSTALLED

Process Vent Identification	Hazardous Waste Management Unit and Location	Brief Waste Description	EPA Hazardous Waste Code	Estimated Emissions (lb/hr or ton/yr)	Designation/ Method of Compliance	Installation Due Date
Example: PV-001	Air Stripper 1, See Figure X*.	Waste Halogenated Solvent	F001	10 lb/hr	Condenser	12/97

* Figure X would be a drawing of the facility showing the locations of the affected equipment.