

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

Requirements for Equipment

The applicant must provide the following information in accordance with 40 CFR Part 264, Subpart BB. [§270.25]

- (1) Attach the following information for each piece of equipment to which Subpart BB of Part 264 applies (See TABLE B-1):
 - (a) Equipment identification number and hazardous waste management unit identification;
 - (b) Approximate locations within the facility (e.g., identify the hazardous waste management unit on a facility plot plan);
 - (c) Type of equipment (e.g., a pump or pipeline valve);
 - (d) Percent by weight total organics in the hazardous waste stream at the equipment
 - (e) Hazardous waste state at the equipment (e.g., gas/vapor or liquid); and
 - (f) Method of compliance with the standard (e.g., "monthly leak detection and repair" or "equipped with dual mechanical seals").
- (2) Facilities that cannot install a closed-vent system and control device to comply with the provisions of 40 CFR 264, Subpart BB on the effective date that the facility becomes subject to the provisions of 40 CFR 264 or 265, Subparts BB, attach an implementation schedule as specified in §264.1033(a)(2). (See TABLE B-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 and chooses to use test data to determine the organic removal efficiency of 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 that demonstrates compliance with the equipment standards in §§264.1052 to 264.1059. This documentation shall contain the records required under §264.1064. (See TABLES B-1 and B-3). The Chief may request further documentation before deciding if the applicant demonstrated compliance.
- (5) Attach documentation to demonstrate compliance with §264.1060. Include the following information:
 - (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(j);
 - (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)(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 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.

TABLE B-1

ALL EQUIPMENT SUBJECT TO ORGANIC EMISSION STANDARDS

Equip ID No.	Equip Type	Hazardous Waste Management Unit and Equipment Location	EPA Hazardous Waste Number	Brief Waste Description	Physical State	Percent by Weight Total Organics	Method of Compliance
Example 1	Valve	Storage Tank A, See Figure X*.	F001	Waste Halogenated Solvent	Liquid	95%	Fill in corresponding number as indicated in Attachment I.

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

Note: This table was created in WordPerfect 6.1 with the "Table" feature. An electronic spreadsheet or database could also be used with the advantage of having the ability to sort the data according to equipment type or method of compliance. The sorted data will be useful to create a list of equipment that must be inspected on a monthly, quarterly or annual basis.

- 17.
16. Pressure Relief Devices
13. Compressor
- 11.
- 10.
- 9.

- 26. Exempt Equipment 24. Flanges and Orbs and Connections System
- 18. opspaficaf
- 19.

TABLE B-2

PROCESS EQUIPMENT SUBJECT TO SUBPART BB FOR WHICH EMISSIONS CONTROLS ARE NOT INSTALLED

Equipment ID Number	Equipment Type	Hazardous Waste Management Unit and Location	Brief Waste Description	EPA Hazardous Waste Code	Physical State	Percent by weight Total Organics	Designation/ Method of Compliance	Installation Due Date
Example: 1	Valve	Transfer from Solvent Storage Tank K673	Waste Halogenated Solvent	F001	liquid	95 %	Fill in # corresponding to appropriate equipment # as indicated in Attachment 1	12/97

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

TABLE B-3

MONITORING FREQUENCY FOR UNSAFE OR DIFFICULT TO MONITOR VALVES

These valves are classified as unsafe to monitor or difficult to monitor [40 C.F.R. 264.1057(g)-(h)] and correspond to Method of Compliance Number 5 in Table 1. These valves shall be monitored at the frequencies specified below.

Equip (Valve) ID No.	Hazardous Waste Management Unit	Equipment Location	Unsafe (U) Difficult (D)	Frequency of Monitoring
Example 1.	Storage Tank A	See Figure X*.	U	Quarterly

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