

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

Requirements for Tanks, Containers, and Surface Impoundments

- A. The applicant must provide the following information in accordance with 40 CFR Part 264, Subpart CC. [§270.27]
- (1) For tanks, surface impoundments, and/or containers that meet one of the exemptions of §264.1062 (c), provide the following:
 - (a) For waste with a Volatile Organic (VO) concentration less than 500 ppmw,
 - i) Waste Determination procedures used to measure the average VO concentration of hazardous waste at the point of origination and the results of those determinations.
 - ii) A waste sampling and analysis schedule of the waste stream to ensure the VO concentration remains below 500 ppmw.
 - (b) For wastes that are treated by a process to reduce the organics by 95%,
 - i) A description of the treatment process.
 - ii) Waste determination procedures used to determine the percentage of organics removed in the treatment process and the results.
 - iii) A schedule of the frequency at which the waste determination shall be performed to ensure the organics from the treated hazardous waste has reduced by at least 95%.
 - (2) Attach the following information for each tank, container or surface impoundment to which Subpart CC of Part 264 applies (See TABLE C-1):
 - (a) Hazardous waste management unit type and identification number;
 - (b) Approximate locations within the facility (e.g., identify the hazardous waste management unit on a facility plot plan);
 - (c) EPA hazardous waste code
 - (d) Average volatile organic concentration of hazardous waste.
 - (e) Brief description of the hazardous waste
 - (f) Method of compliance with the standard (e.g., Container Level 1 , or Tank Level 2 with flare).
 - (3) Except as otherwise provided in 40 CFR 264.1, owners and operators of tanks, surface impoundments, or containers that use air emission controls in accordance with the requirements of 40 CFR part 264, Subpart CC shall provide the following additional information:
 - (a) Documentation for each floating roof cover installed on a tank subject to 40 CFR 264.1084(d)(1) or 40 CFR 264.1084(d)(2) that includes information prepared by the owner or operator or provided by the cover manufacturer or vendor describing the cover design, and certification by the owner or operator that the cover meets the applicable design specifications as listed in 40 CFR 264.1084(e)(1) or 40 CFR 264.1084(f)(1).
 - (b) Identification of each container area subject to the requirements of 40 CFR part 264, Subpart CC and certification by the owner or operator that the requirements of this Subpart are met.

- (c) Documentation for each enclosure used to control air pollutant emissions from tanks or containers in accordance with the requirements of 40 CFR 264.1084(d)(5) or 40 CFR 264.1086(e)(1)(ii) that includes records for the most recent set of calculations and measurements performed by the owner or operator to verify that the enclosure meets the criteria of a permanent total enclosure as specified in "Procedure T_ Criteria for and Verification of a Permanent or Temporary Total Enclosure" under 40 CFR 52.741, appendix B.
- (d) Documentation for each floating membrane cover installed on a surface impoundment in accordance with the requirements of 40 CFR 264.1085(c) that includes information prepared by the owner or operator or provided by the cover manufacturer or vendor describing the cover design, and certification by the owner or operator that the cover meets the specification listed in 40 CFR 1085(c)(1).
- (e) Documentation for each closed vent system and control device installed in accordance with the requirements of 40 CFR 264.1087 that includes design and performance information as specified in §270.24(c) and (d) of this part.
- (f) An emission monitoring plan for both Method 21 in 40 CFR part 60, appendix A and control device monitoring methods. This plan shall include the following information:
 - i) Monitoring Point(s)
 - ii) Monitoring methods for control devices,
 - iii) Monitoring frequency
 - iv) procedures for documenting exceedances
 - v) Procedures for mitigating noncompliances.
- (g) When an owner or operator of a facility subject to 40 CFR part 265, Subpart CC cannot comply with 40 CFR part 264, Subpart C by the date of permit issuance, the schedule of implementation required under 40 CFR 265.1082.
- (h) For owners and operators that use Tank Level 1 controls to control the air pollution emissions from tanks, provide the test methods, results and calculations used to determine the Maximum Organic Vapor Pressure.

B. PROCESS INFORMATION- Except as otherwise provided in 40 CFR 264.1, owners and operators of hazardous waste containers and tanks shall provide the following information:

- 1. Containers
 - (a) Compatibility of waste with container. 264.172, 270.15(d)
 - (b) For containers of wastes without a secondary containment system, test procedures and results or other documentation or information which show that wastes do not contain free liquids. A suggested test for free liquids is the Paint Filter Liquids Test (Method 9095 in SW-846). 264.177, 270.15(b)(1)
 - (c) Waste specific parameters based on hazardous designation.
 - (d) Other information required for safe operation.
- 2. Tanks

- (a) Specific gravity. 264.191(a)
- (b) Waste specific parameters based on hazardous designation.
- (c) Other information required for safe operation.
- (d) Operating pressure and temperature.
- (e) Vapor pressure of tank liquids at operating temperature and pressure.
- (f) Description of safety devices such as rupture discs and safety vents;
- (g) Description of any air pollution control equipment such as vent gas recovery systems; and
- (h) Tank fill rate and discharge rate.

TABLE C-1

SUMMARY OF HAZARDOUS WASTE MANAGEMENT UNITS SUBJECT TO SUBPART CC

Hazardous Waste Management Unit Type and ID No.	Location of Hazardous Waste Management Unit	Volume of HW Unit (m ³)	EPA Hazardous Waste Code	Brief Waste Description	Average Volatile Organic Concentration of the Hazardous Waste	Control Option	Operational Status
Example: Storage Tank 001	Tank Farm Y, See Figure X1.	50	F001	Waste Halogenated Solvent	750 ppmw	Fill in corresponding number as indicated in Attachment II.	Currently Operating.

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1 - Figure x would be a drawing of the facility (or part of the facility) showing the location of the hazardous waste management unit.

METHODS OF COMPLIANCE WITH SUBPART CC STANDARDS

TANKS

1. These tanks shall comply with Level 1 controls which require tanks to have a fixed roof with no visible cracks, holes, gaps, or other spaces in accordance with 264.1084(c). The tank shall be visually inspected for defects initially prior to the tank becoming subject to the requirements and at least once every year thereafter. [40 C.F.R. 264.1084(c)].
2. These tanks are fixed-roof tanks equipped with an internal floating roof and shall comply with Tank Level 2 controls in accordance with 264.1084(e). The internal floating roof shall be visually inspected for defects at least once every 12 months after initial fill unless complying with the alternative inspection procedures in 40 C.F.R. 264.1084(e)(3)(iii). [40 C.F.R. 264.1084(d)(1)]
3. These tanks are equipped with an external floating roof and shall comply with Tank Level 2 controls in accordance with 264.1084(f). The external floating roof seal gaps shall be measured in accordance with the procedures contained in 264.1084(f)(3)(I) within 60 days and at least once every 5 years thereafter. The external floating roof shall be visually inspected for defects at least once every 12 months after initial fill. [40 C.F.R. 264.1084(d)(2)]
4. These tanks are vented through a closed-vent system to a control device and shall comply with Tank Level 2 controls in accordance with 264.1084(g). The tank shall be equipped with a fixed roof and closure devices which shall be visually inspected for defects initially and at least once every year. The closed-vent system and control device shall be inspected and monitored in accordance with 264.1087. [40 C.F.R. 264.1084(d)(3)]
5. These tanks are pressure tanks which shall comply with Tank Level 2 controls in accordance with 264.1084(h). [40 C.F.R. 264.1084(d)(4)]
6. These tanks are located inside an enclosure that is vented through a closed-vent system to an enclosed combustion control device and shall comply with Tank Level 2 controls in accordance with 264.1084(l). The closed-vent system and control device shall be inspected and monitored in accordance with 264.1087. [40 C.F.R. 264.1084(d)(5)]
7. These tanks have covers which have been specified as “unsafe to inspect and monitor” and shall comply with the requirements of 264.1084(l)(1). [40 C.F.R. 264.1084(f) & (g)]

Surface Impoundments

8. These surface impoundments shall have a floating membrane cover in accordance with 264.1085(c). The floating membrane cover shall be visually inspected for defects initially and at least once each year. [40 C.F.R. 264.1085(b)(1)]

9. These surface impoundments shall have a cover that is vented through a closed-vent system to a control device in accordance with 264.1085(d). The surface impoundment cover and its closure devices shall be visually inspected for defects initially and at least once each year. The closed-vent system and control device shall be inspected and monitored in accordance with 264.1087. [40 C.F.R. 264.1085(b)(2)]
10. These surface impoundments have covers which have been designated as “unsafe to inspect and monitor” and shall comply with the requirements of 264.1085(g). [40 C.F.R. 264.1085(c) & (d)]

Containers

11. These containers have a design capacity greater than 0.1 m³ and less than or equal to 0.46 m³ and to meet the applicable U.S. DOT regulations under the Container Level 1 standards. The container shall be visually inspected for defects at the time the container first manages hazardous waste or is accepted at a facility. If a container remains at a facility for 1 year or more, it shall be visually inspected for defects at least once every 12 months. [40 C.F.R. 264.1086(b)(1)(i) & (c)(1)(i)]
12. These containers have a design capacity greater than 0.1 m³ and less than or equal to 0.46 m³ and are equipped with cover and closure devices which form a continuous barrier over container openings. The container and its cover and closure devices shall be visually inspected for defects at the time the container first manages hazardous waste or is accepted at a facility. If a container remains at a facility for 1 year or more, it shall be visually inspected for defects at least once every 12 months. [40 C.F.R. 264.1086(b)(1)(i) & (c)(1)(ii)]
13. These containers have a design capacity greater than 0.1 m³ and less than or equal to 0.46 m³ and are open-top containers in which an organic-vapor suppressing barrier is placed on or over the hazardous waste in the container. The container and its cover and closure devices shall be visually inspected for defects at the time the container first manages hazardous waste or is accepted at a facility. If a container remains at a facility for 1 year or more, it shall be visually inspected for defects at least once every 12 months. [40 C.F.R. 264.1086(b)(1)(i) & (c)(1)(iii)]
14. These containers have a design capacity greater than 0.46 m³, are not in light material service and meet the applicable U.S. DOT regulations under the Container Level 1 standards. The container shall be visually inspected for defects at the time the container first manages hazardous waste or is accepted at a facility. If the container remains at a facility for 1 year or more, it shall be visually inspected for defects at least once every 12 months. [40 C.F.R. 264.1086(b)(1)(ii) & (c)(1)(i)]
15. These containers have a design capacity greater than 0.46 m³, are not in light material service and are equipped with cover and closure devices which form a continuous barrier over container openings. The container and its cover and closure devices shall be visually inspected for defects at the time that the container first manages hazardous waste or is accepted at a facility. If a container remains at a facility for 1 year or more, it shall be visually inspected for defects at least once every 12 months. [40 C.F.R. 264.1086(b)(1)(ii) & (c)(1)(ii)]
16. These containers have a design capacity greater than 0.46 m³, are not in light material service and are open-top containers in which an organic-vapor suppressing barrier is placed on or over the hazardous waste in the container. The container and its cover and closure devices shall be visually inspected for defects at the time the container first manages hazardous waste or is accepted at a facility. If a container remains at a facility for 1 year or more, it shall be visually inspected for defects at least once every 12

months. [40 C.F.R. 264.1086(b)(1)(ii) & (c)(1)(iii)]

17. These containers have a design capacity greater than 0.46 m³, are in light material service and meet the applicable U.S. DOT regulations under the Container Level 2 standards. The container shall be visually inspected for defects at the time the container first manages hazardous waste or is accepted at a facility. If a container remains at a facility for 1 year or more, it shall be visually inspected for defects at least once every 12 months. [40 C.F.R. 264.1086(b)(1)(iii) & (d)(1)(i)]
18. These containers have a design capacity greater than 0.46 m³, are in light material service and operate with no detectable organic emissions as defined in 40 C.F.R. 265.1081. The container and its cover and closure devices shall be visually inspected for defects at the time the container first manages hazardous waste or is accepted at a facility. If a container remains at a facility for 1 year or more, it shall be visually inspected for defects at least once every 12 months. [40 C.F.R. 264.1086(b)(1)(iii) & (d)(1)(ii)]
19. These containers have a design capacity greater than 0.46 m³, are in light material service and that have been demonstrated within the preceding 12 months to be vapor-tight using 40 C.F.R. Part 60, Appendix A, Method 27. The container and its cover and closure devices shall be visually inspected for defects at the time the container first manages hazardous waste or is accepted at a facility. If a container remains at a facility for 1 year or more, it shall be visually inspected for defects at least once every 12 months. [40 C.F.R. 264.1086(b)(1)(iii) & (d)(1)(iii)]
20. These containers have a design capacity greater than 0.1 m³ that are used for treatment of a hazardous waste by a waste stabilization process and are vented directly through a closed-vent system to a control device in accordance with 264.1086(e)(2)(ii). The closed-vent system and control devices shall be inspected and monitored as specified in 264.1087. [40 C.F.R. 264.1086(b)(2) & (e)(1)(i)]
21. These containers have a design capacity greater than 0.1 m³ that are used for treatment of a hazardous waste by a waste stabilization process and are vented inside an enclosure which is exhausted through a closed-vent system to a control device in accordance with 264.1086(e)(2)(1) & (ii). The closed-vent system and control devices shall be inspected and monitored as specified in 264.1087. [40 C.F.R. 264.1086(b)(2) & (e)(1)(ii)]