

US EPA ARCHIVE DOCUMENT

RCRA REVISION CHECKLIST 79

Organic air Emission Standards
for Process Vents and Equipment Leaks
55 FR 25454-25519
June 21, 1990
(HWSA Cluster II)

Note: The Federal Register addressed by this checklist is the first of a multiphased regulatory effort to control air emissions at new and existing hazardous waste treatment, storage and disposal facilities (TSDFs). On April 26, 1991 (56 FR 19290; Revision Checklist 87), a technical amendment for this rule was published. States are strongly encouraged to adopt the technical corrections at the same time the Revision Checklist 79 provisions are adopted.

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE

PART 260 - HAZARDOUS WASTE MANAGEMENT SYSTEM: GENERAL

SUBPART B - DEFINITIONS

REFERENCES

add "ASTM Standard Method for Analysis of Reformed Gas by Gas Chromatography"	260.11(a)
add "ASTM Standard Test Method for Heat of Combustion of Hydrocarbon Fuels by Bomb Calorimeter"	260.11(a)
add "ASTM Standard Practices for General Techniques of Ultraviolet-Visible Quantitative Analysis"	260.11(a)
add "ASTM Standard Practices for General Techniques of Infrared Quantitative Analysis"	260.11(a)
add "ASTM Standard Practice for Packed Column Gas Chromatography"	260.11(a)

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

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add "ASTM Standard Test Method for Aromatics in Light Naphthas and Aviation Gasolines by Gas Chromatography"	260.11(a)				
Add "ASTM Standard Test Method for Vapor Pressure- Temperature Relation- ship and Initial Decomposition Temperature of Liquids by Isoteriscope"	260.11(a)				
add "APTI Course 415: Control of Gaseous Emissions"	260.11(a)				
PART 261 - IDENTIFICATION AND LISTING OF HAZARDOUS WASTE					
SUBPART A - GENERAL					
REQUIREMENTS FOR RECYCLABLE MATERIALS					
insert ", AA, and BB" after "L"; insert "except as provided in 261.6(d)." after "regulation" in the last sentence	261.6(c)(1)				
add new paragraph reading "Section 261.6(d) of this chapter."	261.6(c)(2)(iii)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
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add new paragraph subjecting owners or operators of RCRA facilities to the requirements of Subparts AA and BB of Part 264 or 265 if they recycle hazardous wastes	261.6(d)				
PART 264 - STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL FACILITIES					
SUBPART B - GENERAL FACILITY STANDARDS					
GENERAL WASTE ANALYSIS					
change "which" to "that; add references to 264.1034(d) and 264.1063(d)	264.13(b)(6)				
GENERAL INSPECTION REQUIREMENTS					
add references to 264.1033, 264.1052, 264.1053, and 264.1058	264.15(b)(4)				
SUBPART E - MANIFEST SYSTEM, RECORDKEEPING, AND REPORTING					
OPERATION RECORD					
add references to 264.1034 and 264.1063	264.73(b)(3)				
add references to 264.1034(c)-(f), 264.1035, 264.1063(d)-(i), and 264.1064	264.73(b)(6)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
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ADDITIONAL REPORTS

add references to

Subparts

AA and BB 264.77(c)

SUBPART AA - AIR EMISSION STANDARDS FOR PROCESS VENTS

APPLICABILITY

- 1 regulations in this subpart apply to owners and operators of facilities that treat, store or dispose of hazardous waste except as provided in 264.1
- 2 except for 264.1034(d) and 264.1034(e), Subpart AA applies to process vents associated with operations managing hazardous wastes with at least 10-ppmw organic concentrations if conducted in specific units

264.1030(a)

264.1030(b)

264.1030(b)(1)

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
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hazardous waste recycling units located on hazardous waste management facilities otherwise subject to Part 270 permitting requirements	264.1030(b)(2)				
incorporation of 264.1032 through 264.1036 requirements for permits received under Section 3005 of RCRA prior to December 21, 1990, when permit is reissued under 124.15 or reviewed under 270.50; note included	264.1030(c)				
DEFINITIONS					
introductory paragraph	264.1031				
"air stripping operation"	264.1031				
"bottoms receiver"	264.1031				
"closed-vent system"	264.1031				
"condenser"	264.1031				
"connector"	264.1031				
"continuous recorder"	264.1031				
"control device"	264.1031				
"control device shutdown"	264.1031				
"distillate receiver"	264.1031				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
"distillation operation"	264.1031				
"double block and bleed system"	264.1031				
"equipment"	264.1031				
"flame zone"	264.1031				
"flow indicator"	264.1031				
"first attempt at repair"	264.1031				
"fractionation operation"	264.1031				
"hazardous waste management unit shutdown"	264.1031				
"hot well"	264.1031				
"in gas/vapor service"	264.1031				
"in heavy liquid service"	264.1031				
"in light liquid service"	264.1031				
"in situ sampling systems"	264.1031				
"in vacuum service"	264.1031				
"malfunction"	264.1031				
"open-ended valve or line"	264.1031				
"pressure release"	264.1031				
"process heater"	264.1031				
"process vent"	264.1031				
"repaired"	264.1031				
"sensor"	264.1031				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
"separator tank"	264.1031				
"solvent extraction operation"	264.1031				
"startup"	264.1031				
"steam stripping operation"	264.1031				
"surge control tank"	264.1031				
"thin-film evaporation operation"	264.1031				
"vapor incinerator"	264.1031				
"vented"	264.1031				
STANDARDS: PROCESS VENTS					
owner or operator of facility with process vents meeting certain conditions shall either:	264.1032(a)				
reduce total organic emissions below 1.4 kg/h and 2.8 Mg/yr	264.1032(a)(1)				
using control device, reduce total organic emissions by 95 weight percent	264.1032(a)(2)				
264.1033 require- ments must be met if owner or operator installs closed-vent system and control device to comply with 264.1032(a) provisions	264.1032(b)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
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use of engineering calculations or performance tests (conforming to 264.1034(c) requirements) may be used for determining 1) vent emissions and emission reductions or 2) total organic compound concentrations achieved by add-on control devices	264.1032(c)				
use of 264.1034(c) procedures to resolve disagreements between owner or operator and Regional Administrator on vent determinations	264.1032(d)				
STANDARDS: CLOSED-VENT SYSTEMS AND CONTROL DEVICES					
compliance with provisions of 264.1033 by owners or operators of closed-vent systems and control devices used to comply with provisions of Part 264	264.1033(a)(1)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
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preparation of an implementation schedule by owner or operator, of existing facility, who cannot install a closed-vent system and control device to comply with Subpart AA provisions by effective date; units that begin operation after December 21, 1990, must comply with the rules immediately		264.1033(a)(2)			
specification of efficiency standards for control device involving vapor recovery unless 264.1032(a)(1) emission limits can be attained		264.1033(b)			

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
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organic emission standards for enclosed combustion device; for boiler or process heater used as control device, vent stream introduced into flame zone	264.1033(c)				
	264.1033(d)(1)				
	264.1033(d)(2)				
	264.1033(d)(3)				
	264.1033(d)(4)(i)				
	264.1033(d)(4)(ii)				
	264.1033(d)(4)(iii)				
specifications for the design and operation of a flare	264.1033(d)(5)				
determination of compliance of a flare with the visible emission provisions of Subpart AA using Reference Method 22 in 40 CFR Part 60	264.1033(e)(1)				
calculation of net heating value of gas being combusted in a flare using specified equation	264.1033(e)(2)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
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determination of actual exit velocity of a flare using flow rate as determined by Reference Methods 2, 2A, 2C or 2D in 40 CFR Part 60	264.1033(e)(3)				
determination of maximum allowed velocity for a flare complying with 264.1033(d)(4)(iii)	264.1033(e)(4)				
determination of maximum allowed velocity for an air-assisted flare	264.1033(e)(5)				
monitoring and inspection of control device by owner and operator to ensure compliance with 264.1033 by implementing specified requirements:	264.1033(f)				
installation, cali- bration, maintenance, and operation of a flow indicator; where sensor shall be installed	264.1033(f)(1)				
specifications for installation, cali- bration, maintenance, and operation of a device to continuously monitor control device operation:	264.1033(f)(2)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
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temperature monitor- ing device with a continuous recorder for a thermal vapor incinerator	264.1033(f)(2)(i)				
temperature monitor- ing device with a continuous recorder for a catalytic vapor incinerator	264.1033(f)(2)(ii)				
heat sensing monitor- ing device with a continuous recorder for a flare	264.1033(f)(2)(iii)				
temperature monitor- ing device with a continuous recorder for a boiler or process heater having a design heat input capacity less than 44 MW	264.1033(f)(2)(iv)				
monitoring device with a continuous recorder for a boiler or process heater having a design heat input capacity greater than or equal to 44 MW	264.1033(f)(2)(v)				
for a condenser, either:	264.1033(f)(2)(vi)				
monitoring device with a continuous recorder to measure concen- tration level of the organic compounds in the exhaust vent stream from the condenser	264.1033(f)(2)(vi)(A)				
temperature monitor- ing device with a					

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
continuous recorder; specifications	264.1033(f)(2)(vi)(B)				
for a carbon adsorption system, either:	264.1033(f)(2)(vii)				
monitoring device with a continuous recorder to measure concentration level of organic compounds in exhaust vent stream from carbon bed	264.1033(f)(2)(vii)(A)				
monitoring device with a continuous recorder to measure a parameter that indicates the carbon bed is regenerated on a regular pre- determined time cycle	264.1033(f)(2)(vii)(B)				
3 daily inspection of readings from monitoring device required by 264.1033(f)(1) and 264.1033(f)(2); implement corrective measures if necessary	264.1033(f)(3)				
replacement of existing carbon in control device by owner or operator using a fixed-bed carbon adsorber that meets the 264.1035(b)(4)(iii)(F) requirement	264.1033(g)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
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replacement of carbon on a regular basis by owner or operator using a carbon canister	264.1033(h)				
monitor organic compounds daily or at interval no greater than 20 percent of time required to consume total carbon working capacity established at 264.1035(b)(4)(iii)(G), whichever is longer; replace existing carbon when carbon breakthrough occurs	264.1033(h)(1)				
replacement of existing carbon at intervals less than design carbon replacement interval established as a requirement of 264.1035(b)(4)(iii)(G)	264.1033(h)(2)				
alternative operational or process parameter may be monitored if specific demonstra- tion can be made	264.1033(i)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
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documentation requirements for owner or operator seeking to comply with Part 264 provisions by using a control device other than a thermal vapor incinerator, catalytic vapor incinerator, flare, boiler, process heater condenser, or carbon adsorption system	264.1033(j)				
design and operational requirements for closed-vent systems based on 264.1034(b) methods	264.1033(k)(1)				
monitoring of closed-vent systems during initial leak detection monitoring, conducted by the date that the facility becomes subject to 264.1033 provisions, annually, and as requested by Regional Administrator	264.1033(k)(2)				
control of detectable emissions no later than 15 calendar days after emission is detected	264.1033(k)(3)				
first attempt at repair no later than 5 calendar days after emission is detected	264.1033(k)(4)				
closed vent systems and control devices used to comply with					

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
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provisions of Subpart AA shall be operated at all times when emissions may be vented to them	264.1033(l)				
TEST METHODS AND PROCEDURES					
compliance with 264.1034 test methods and procedures by owner or operator subject to provisions of Subpart AA	264.1034(a)				
when testing a closed-vent system for compliance with 264.1033(k) requirements, comply with following test requirements:	264.1034(b)				
monitoring in compliance with Reference Method 21 in 40 CFR Part 60	264.1034(b)(1)				
detection instrument shall meet the performance criteria of Reference Method 21	264.1034(b)(2)				
calibration of instrument by procedures specified in Reference Method 21	264.1034(b)(3)				
calibration gases shall be:	264.1034(b)(4)				
zero air	264.1034(b)(4)(i)				
mixture of methane or n-hexane and air at specified					

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
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concentration	264.1034(b)(4)(ii)				
background level determined as set forth in Reference Method 21	264.1034(b)(5)				
instrument probe traverse requirements as described in Reference Method 21	264.1034(b)(6)				
arithmetic difference compared with 500 ppm for compliance determination	264.1034(b)(7)				
performance test requirements to determine compliance with 264.1032(a) and 264.1033(c)	264.1034(c)				
reference methods and calculation procedures to use when determining total organic compound concentrations and mass flow rates	264.1034(c)(1)				
Method 2 in 40 CFR Part 60 for velocity and volumetric flow rate	264.1034(c)(1)(i)				
Method 18 in 40 CFR Part 60 for organic content	264.1034(c)(1)(ii)				
performance tests in three separate runs; conditions for conducting runs; averaging results on a time-weighted basis	264.1034(c)(1)(iii)				
equation for determining total organic					

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
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mass flow rates	264.1034(c)(1)(iv)				
equation for determining annual total organic emission rate	264.1034(c)(1)(v)				
determination of total organic emissions from all process vents using 264.1034(c)(1)(iv) equation and 264.1034(c)(1)(v) equation	264.1034(c)(1)(vi)				
recording of process information necessary to determine performance test conditions; certain operational periods not applicable	264.1034(c)(2)				
performance testing facilities provided by owner or operator	264.1034(c)(3)				
sampling ports adequate for 264.1034(c)(1) test methods	264.1034(c)(3)(i)				
safe sampling platform(s)	264.1034(c)(3)(ii)				
safe access to sampling platform(s)	264.1034(c)(3)(iii)				
utilities for sampling and testing equipment	264.1034(c)(3)(iv)				
use of time-weighted average of three runs in making compliance determinations; Regional Administrator approval needed for average based on two runs if a sample is accidentally lost or certain					

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

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conditions occur	264.1034(c)(4)				
to demonstrate a process vent is not subject to Subpart AA requirements, use one of two methods to determine an annual average total organic concentration of less than 10 ppmw	264.1034(d)				
direct measurement using the following procedures:	264.1034(d)(1)				
minimum of four grab samples under specified process conditions	264.1034(d)(1)(i)				
for waste generated onsite, collect grab samples before exposure to the atmosphere; for waste generated offsite, collect grab samples at the inlet to the first waste management unit that receives the waste under specific conditions	264.1034(d)(1)(ii)				
sample analysis using Method 9060 or 8240 of SW-846	264.1034(d)(1)(iii)				
calculation of time-weighted, annual average total organic concentration of waste	264.1034(d)(1)(iv)				
using knowledge of the waste to determine its total organic concentration					

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

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is less than 10 ppmw; documentation of the waste determination is required; examples of acceptable documentation	264.1034(d)(2)				
guidelines for the determination that hazardous wastes are managed with annual average total organic concentrations less than 10 ppmw	264.1034(e)				
	264.1034(e)(1)				time-weighted,
	264.1034(e)(2)				
	264.1034(e)(3)				
Method 8240 procedures used to resolve dispute in case of disagreement between owner or operator and Regional Administrator regarding the determination made in	264.1034(e)	264.1034(f)			
RECORDKEEPING REQUIREMENTS					
compliance with recordkeeping requirements	264.1035(a)(1)				
recordkeeping requirements for more than one hazardous waste management unit in one recordkeeping system	264.1035(a)(2)				
information that must be recorded in the facility operating record	264.1035(b)				
for 264.1033(a)(2)- complying facilities, an implementation					

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
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schedule that includes specified dates and rationale; inclusion in operating record by effective date the facility becomes subject to Subpart AA provisions	264.1035(b)(1)				
up-to-date documen- tation of 264.1032 standards	264.1035(b)(2)				
information and data identifying all affected process vents and specific information for each vent	264.1035(b)(2)(i)				
information and data supporting determina- tions of vent emissions and emission reductions; new determination required if any action taken increases total emissions	264.1035(b)(2)(ii)				
a performance test plan for owners or operators using test data for determination	264.1035(b)(3)				
a description of the determination that a planned test will be conducted when unit is operating at the highest load or capacity level	264.1035(b)(3)(i)				
	264.1035(b)(3)(ii)				
	264.1035(b)(3)(ii)(A)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
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		264.1035(b)(3)(ii)(B)			
		264.1035(b)(3)(ii)(C)			
detailed engineering description of closed-vent system and control device		264.1035(b)(3)(ii)(D)			
detailed description of sampling and monitoring procedures		264.1035(b)(3)(ii)(E)			
documentation of compliance with 264.1033		264.1035(b)(3)(iii)			
information references and sources		264.1035(b)(4)			
records including the dates of each compliance test required by 264.1033(k)		264.1035(b)(4)(i)			
if engineering calculations are used, a design analysis and other documents that present basic control device design information; design analysis addresses vent stream characteristics and control device operation parameters		264.1035(b)(4)(ii)			
design analysis requirements for a thermal vapor incinerator		264.1035(b)(4)(iii)			
design analysis requirements for a catalytic vapor incinerator		264.1035(b)(4)(iii)(A)			
design analysis		264.1035(b)(4)(iii)(B)			

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

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requirements for a boiler or process heater	264.1035(b)(4)(iii)(C)				
design analysis requirements for a flare	264.1035(b)(4)(iii)(D)				
design analysis requirements for a condenser	264.1035(b)(4)(iii)(E)				
design analysis requirements for carbon adsorption system that regenerates the carbon bed directly onsite	264.1035(b)(4)(iii)(F)				
design analysis requirements for a carbon adsorption system that does not regenerate the carbon bed directly onsite	264.1035(b)(4)(iii)(G)				
certification state- ment signed and dated by owner or operator regarding operating parameters	264.1035(b)(4)(iv)				
certification state- ment signed and dated by owner or operator regarding control equipment meeting design specifications	264.1035(b)(4)(v)				
all test results when performance tests are used to demonstrate compliance	264.1035(b)(4)(vi)				
information to be recorded and kept up-to-date in the					

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

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facility operating record for each closed-vent system and control device subject to the Part 264 regulations	264.1035(c)				
description and date of each modification	264.1035(c)(1)				
identification of operating parameter, description of monitoring device and location diagram for compliance with 264.1033(f)(1) and (f)(2)	264.1035(c)(2)				
information required by 264.1033(f)-(k)	264.1035(c)(3)				
date, time and duration of each period that occurs while control device is operating when any monitored parameter exceeds the value established in the design analysis	264.1035(c)(4)				
when combustion temperature is below 760°C for a thermal vapor incinerator	264.1035(c)(4)(i)				
	264.1035(c)(4)(ii)				
when temperature of vent stream is more than 28°C below average temperature or when temperature difference across catalyst bed is less than 80 percent of the design average	264.1035(c)(4)(iii)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

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temperature difference for a catalytic vapor incinerator	264.1035(c)(4)(iii)(A)				
boiler or process heater	264.1035(c)(4)(iii)(B)				
flame zone temperature is more than 28°C below design average temperature	264.1035(c)(4)(iv)				
position changes	264.1035(c)(4)(iv)(A)				
period when the pilot flame is not ignited for a flare	264.1035(c)(4)(iv)(B)				
period when organic compounds are more than 20 percent greater than the design level for a condenser	264.1035(c)(4)(v)				
condenser that complies with 264.1033(f)(2)(vi)(B)	264.1035(c)(4)(vi)				
temperature of exhaust vent stream is more than 6°C above design average temperature	264.1035(c)(4)(vii)				
temperature of exiting coolant fluid is more than 6°C above design average temperature	264.1035(c)(4)(vii)(A)				
period when organic compounds are more than 20 percent greater than the design level for a carbon adsorption system	264.1035(c)(4)(vii)(B)				
	264.1035(c)(4)(viii)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

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period when vent stream flow exceeds predetermined regeneration time for a carbon adsorption system	264.1035(c)(4)(ix)				
explanation for each period under 264.1035(c)(4) of the cause for parameters being exceeded and measures implemented	264.1035(c)(5)				
date when existing carbon is replaced	264.1035(c)(6)				
	264.1035(c)(7)				
	264.1035(c)(7)(i)				
log to record specific dates	264.1035(c)(7)(ii)				
date of each control device startup and shutdown	264.1035(c)(8)				
records required by paragraphs 264.1035(c)(3)-(c)(8) need be kept only 3 years	264.1035(d)				
specification of recordkeeping requirements for certain control devices by Regional Administrator	264.1035(e)				
logging of information used to determine if process vent is subject to 264.1032 and 264.1032(d)(2)	264.1035(f)				
REPORTING REQUIREMENTS					

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
semiannual report submitted by date specified by Regional Adminis- trator; information the report must contain:	264.1036(a)				
EPA ID number, name and address of facility	264.1036(a)(1)				
dates when design specifications are exceeded, duration and cause, and corrective measures taken	264.1036(a)(2)				
exception to reporting require- ments specified in 264.1036(a)	264.1036(b)				
reserved	264.1037 - 264.1049				

SUBPART BB - AIR EMISSION STANDARDS FOR EQUIPMENT LEAKS

APPLICABILITY

owners and operators
of facilities
that treat, store
or dispose of
hazardous wastes
except as provided
in 264.1
except as provided
in 264.1064(k),
applicability of
Subpart BB to equip-
ment that contains or
contacts hazardous
wastes with organic
concentrations of at
least 10 percent by

264.1050(a)

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
weight that are managed in units or facilities subject to Part 270 permitting requirements	264.1050(b)				
	264.1050(b)(1)				
	264.1050(b)(2)				
for permits received under Section 3005 of RCRA prior to December 21, 1990, requirements of 264.1052-264.1065 must be incorporated when permit is reissued under 124.15 or reviewed under 270.50	264.1050(c)				
equipment subject to Subpart BB, Part 264 shall be marked	264.1050(d)				
equipment in vacuum service excluded from requirements of 264.1052 to 264.1060 if identified as required in 264.1064(g)(5)	264.1050(e)				
DEFINITIONS					
all terms have meaning given them in 264.1031, the Act, and Parts 260-266	264.1051				
STANDARDS: PUMPS IN LIGHT LIQUID SERVICE					
monthly monitoring to detect leaks as specified by 264.1063(b) methods except as provided in 264.1052(d), (e) and (f)	264.1052(a)(1)				
visual inspection each calendar week	264.1052(a)(2)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
conditions	264.1052(b)(1)				
indicating a					
leak is detected	264.1052(b)(2)				
time frame for					
leak repair, except					
as provided in					
264.1059	264.1052(c)(1)				
first attempt					
at leak repair					
not to exceed					
5 calendar					
days after					
leak detection	264.1052(c)(2)				
pump equipped with					
dual mechanical seal					
system that includes					
a barrier fluid					
system is exempt					
from 264.1052(a) if					
specific requirements					
are met:	264.1052(d)				
	264.1052(d)(1)				
operational and	264.1052(d)(1)(i)				
equipment					
requirements for a	264.1052(d)(1)(ii)				
dual mechanical					
seal system	264.1052(d)(1)(iii)				
organic concentra-					
tion limitation					
for barrier					
fluid system	264.1052(d)(2)				
sensor requirement	264.1052(d)(3)				
weekly visual check					
of pump	264.1052(d)(4)				
daily check of					
barrier fluid					
system sensor					
or monthly check					
of audible alarm	264.1052(d)(5)(i)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
determination of criterion to indicate failure of systems	264.1052(d)(5)(ii)				
leak detection criteria	264.1052(d)(6)(i)				
repair of leak not to exceed 15 calendar days, except as provided in 264.1059	264.1052(d)(6)(ii)				
first attempt at leak repair not to exceed 5 calendar days after leak detection	264.1052(d)(6)(iii)				
conditions under which pump designated for no detectable emissions is exempt from 264.1052(a), (c) and (d) requirements	264.1052(e)				
	264.1052(e)(1)				
	264.1052(e)(2)				
	264.1052(e)(3)				
pump equipped with closed-vent system and control device in compliance with 264.1060 is exempt from 264.1052(a)-(e) requirements	264.1052(f)				
STANDARDS: COMPRESSORS					
seal system requirement for compressor, except as provided in 264.1053(h) and (i)	264.1053(a)				
	264.1053(b)				
	264.1053(b)(1)				
specifications	264.1053(b)(2)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
for compressor seal system	264.1053(b)(3)				
organic concentration limitation for barrier fluid	264.1053(c)				
sensor requirement	264.1053(d)				
daily check of barrier fluid system sensor or monthly check of audible alarm; daily check if compressor located within boundary of unmanned site	264.1053(e)(1)				
determination of criterion to indicate failure of systems	264.1053(e)(2)				
leak detection criteria	264.1053(f)				
repair of leak not to exceed 15 calendar days, except as provided in 264.1059	264.1053(g)(1)				
first attempt at leak repair not to exceed 5 calendar days after leak detection	264.1053(g)(2)				
compressor equipped with closed-vent system and control device in compliance with 264.1060 is exempt from 264.1053(a) and (b) requirements, except as provided in 264.1053(i)	264.1053(h)				
conditions under					

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
which compressor designated for no detectable emissions is exempt from 264.1053(a) through (h) requirements	264.1053(i)				
	264.1053(i)(1)				
	264.1053(i)(2)				
STANDARDS: PRESSURE RELIEF DEVICES IN GAS/VAPOR SERVICE					
except during pressure releases, no detectable emission standards for the operation of pressure relief device in gas/vapor service, as measured by 264.1063(c) method	264.1054(a)				
time requirement and criteria for return of pressure relief device to a condition of no detectable emissions, except as provided in 264.1059	264.1054(b)(1)				
monitoring of pressure relief device within 5 calendar days after pressure relief to confirm no detectable emissions, as measured by 264.1063(c) method	264.1054(b)(2)				
pressure relief device equipped with closed-vent system and control device in compliance with 264.1060 is exempt from 264.1054(a) and (b)	264.1054(c)				

STANDARDS: SAMPLING CONNECTING SYSTEMS

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
sampling connecting system equipped with closed purge or closed-vent system	264.1055(a)				
	264.1055(b)				
return, collect and recycle purged waste with no detectable emissions; control device in compliance with 264.1060	264.1055(b)(1)				
	264.1055(b)(2)				
	264.1055(b)(3)				
in situ sampling systems exempt from 264.1055(a) and (b) requirements	264.1055(c)				
STANDARDS: OPEN-ENDED VALVES OR LINES					
each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve	264.1056(a)(1)				
requirement to seal open end at all times except during specified operations	264.1056(a)(2)				
operational require- ments for open-ended valve or line equipped with a second valve	264.1056(b)				
requirements for bleed valve or line when a double block and bleed system is used; compliance with 264.1056(a)	264.1056(c)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

		STATE ANALOG IS:			
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
STANDARDS: VALVES IN GAS/VAPOR SERVICE OR IN LIGHT LIQUID SERVICE					
monthly monitoring of each valve in gas/vapor or light liquid service using 264.1063(b) methods; compliance with 264.1057(b)-(e), except as provided in 264.1057(f), (g) and (h), 264.1061 and 264.1062	264.1057(a)				
instrument reading of 10,000 ppm or greater indicates leak	264.1057(b)				
monitoring requirements if leak not detected for two successive months	264.1057(c)(1)				
monthly monitoring requirement if leak detected	264.1057(c)(2)				
repair of leak not to exceed 15 calendar days, except as provided in 264.1059	264.1057(d)(1)				
first attempt at leak repair not to exceed 5 calendar days after leak detection	264.1057(d)(2)				
	264.1057(e)				
	264.1057(e)(1)				
	264.1057(e)(2)				
best practices to	264.1057(e)(3)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
include in first attempt at repair	264.1057(e)(4)				
valve designated for no detectable emissions under 264.1064(g)(2)	264.1057(f)				
is exempt from 264.1057(a) requirements	264.1057(f)(1)				
if specified conditions are met	264.1057(f)(2)				
conditions under which an unsafe-to-monitor valve as described in 264.1064(h)(1) is exempt from 264.1057(a) requirements	264.1057(f)(3)				
	264.1057(g)				
	264.1057(g)(1)				
	264.1057(g)(2)				
conditions under which a difficult-to-monitor valve as described in 264.1064(h)(2) is exempt from 264.1057(a) requirements	264.1057(h)				
	264.1057(h)(1)				
	264.1057(h)(2)				
	264.1057(h)(3)				
STANDARDS: PUMPS AND VALVES IN HEAVY LIQUID SERVICE, PRESSURE RELIEF DEVICES IN LIGHT LIQUID OR HEAVY LIQUID SERVICE, AND FLANGES AND OTHER CONNECTORS					
monitoring of specified pumps and valves, pressure relief devices, flanges and other connectors within 5 days using 264.1063(b) methods in case of potential leaks	264.1058(a)				
reading of 10,000 ppm or greater indicates leak	264.1058(b)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
repair of leak not to exceed 15 calendar days, except as provided in 264.1059	264.1058(c)(1)				
first attempt at leak repair not to exceed 5 calendar days after leak detection	264.1058(c)(2)				
first attempt at repair includes best practices described under 264.1057(e)	264.1058(d)				
STANDARDS: DELAY OF REPAIR					
requirements for the delay of repair of equipment for which leaks have been detected	264.1059(a)				
type of equipment for which delay of repair allowed	264.1059(b)				
	264.1059(c)				
conditions under which delay of repair of valves allowed	264.1059(c)(1)				
	264.1059(c)(2)				
	264.1059(d)				
conditions under which delay of repair of pumps allowed	264.1059(d)(1)				
	264.1059(d)(2)				
conditions for delay of repair beyond a hazardous waste management unit					

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
shutdown	264.1059(e)				

STANDARDS: CLOSED-VENT SYSTEMS AND CONTROL DEVICES

owners or operators
of closed-vent
systems and control
devices shall comply
with 264.1033
provisions

264.1060

**ALTERNATIVE STANDARDS FOR VALVES IN GAS/VAPOR SERVICE OR IN LIGHT LIQUID SERVICE:
PERCENTAGE OF VALVES ALLOWED TO LEAK**

alternative standard
allowing no greater
than 2 percent of
valves to leak
for an owner or
operator subject
to 264.1057
requirements

264.1061(a)

notification,
performance test,
and repair
requirements if
an owner or operator
decides to comply with
alternative standard

264.1061(b)

264.1061(b)(1)

264.1061(b)(2)

264.1061(b)(3)

monitoring
standards, leak
detection criterion
and determination of
leak percentage
when conducting
performance tests

264.1061(c)

264.1061(c)(1)

264.1061(c)(2)

264.1061(c)(3)

written notification
to Regional
Administrator of
intent to follow
264.1057(a)-(e) work
practice standard
if owner or operator

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
decides to no longer comply with 264.1061	264.1061(d)				
ALTERNATIVE STANDARDS FOR VALVES IN GAS/VAPOR SERVICE OR IN LIGHT LIQUID <u>SERVICE</u>: SKIP PERIOD LEAK DETECTION AND REPAIR					
election to comply with 264.1062(b)(2) and (3) alternative work practices by owner or operator subject to 264.1057 requirements	264.1062(a)(1)				
notification of Regional Administrator before implementing alternative work practice	264.1062(a)(2)				
compliance with 264.1057 requirements, except as described in 264.1062(b)(2) and (b)(3)	264.1062(b)(1)				
conditions under which an owner or operator may begin to skip one of the quarterly leak detection periods for valves subject to 264.1057 requirements	264.1062(b)(2)				
conditions under which an owner or operator may begin to skip three of the quarterly leak detection periods for valves subject to 264.1057 requirements	264.1062(b)(3)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
compliance with 264.1057 monthly monitoring require- ments if percentage of valves leaking exceeds 2 percent; may elect to use 264.1062 require- ments again after meeting 264.1057(c)(1) requirements		264.1062(b)(4)			
TEST METHODS AND PROCEDURES					
compliance with test methods and proced- ure requirements by owner or operator subject to provisions of Subpart BB		264.1063(a)			
leak detection monitoring as required in 264.1052-264.1062 shall comply with specified requirements:		264.1063(b)			
monitoring in compliance with Reference Method 21 in 40 CFR Part 60		264.1063(b)(1)			
detection instrument shall meet the performance criteria of Reference Method 21		264.1063(b)(2)			
calibration of instru- ment by procedures specified in Reference Method 21		264.1063(b)(3)			
calibration gases shall be:		264.1063(b)(4)			

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
zero air	264.1063(b)(4)(i)				
mixture of methane or n-hexane and air at specified concentration	264.1063(b)(4)(ii)				
instrument probe traverse requirements as described in Reference Method 21	264.1063(b)(5)				
test compliance requirements for equipment with no detectable emissions as required in 264.1052(e), 264.1053(i), 264.1054 and 264.1057(f)	264.1063(c)				
	264.1063(c)(1)				
	264.1063(c)(2)				
	264.1063(c)(3)				
	264.1063(c)(4)				
in accordance with 264.13(b), determina- tion by owner or operator of whether equipment contains or contacts a hazardous waste with organic concentration equal to or greater than 10% by weight using the following:	264.1063(d)				
methods described in ASTM Methods D 2267-88, E 169-87, E 168-88 and E 260-85	264.1063(d)(1)				
Method 9060 or 8240 of SW-846	264.1063(d)(2)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
application of the knowledge of the nature of the hazardous waste stream or the process by which it was produced; docu- mentation required; examples of documentation	264.1063(d)(3)				
determination as specified in 264.1063(d) can be revised only after following 264.1063(d)(1) or (d)(2) procedures	264.1063(e)				
use of 264.1063(d)(1) or (d)(2) to resolve determination disputes between owner or operator and Regional Administrator	264.1063(f)				
samples used for determination representative of highest expected total organic content hazardous waste	264.1063(g)				
to determine if pumps or valves are in light liquid service, vapor pressures of constituents may be obtained from standard reference texts or may be determined by ASTM D-2879-86	264.1063(h)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
performance tests for control device shall comply with 264.1034(c)(1) through (c)(4) procedures		264.1063(i)			
RECORDKEEPING REQUIREMENTS					
compliance with recordkeeping requirements		264.1064(a)(1)			
recordkeeping requirements for more than one hazardous waste management unit in one recordkeeping system		264.1064(a)(2)			
		264.1064(b)			
		264.1064(b)(1)			
		264.1064(b)(1)(i)			
		264.1064(b)(1)(ii)			
		264.1064(b)(1)(iii)			
specific information that owners and operators must record		264.1064(b)(1)(iv)			
in the facility		264.1064(b)(1)(v)			
operating record		264.1064(b)(1)(vi)			
for facilities that comply with the provisions of 264.1033(a)(2), an implementation schedule as specified in 264.1033(a)(2)		264.1064(b)(2)			

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
performance test plan as specified in 264.1035(b)(3) if test data are used for control device demonstration	264.1064(b)(3)				
documentation of compliance with 264.1060, including documentation or results specified in 264.1035(b)(4)	264.1064(b)(4)				
information require- ments when each leak is detected as specified in 264.1052, 264.1053, 264.1057 and 264.1058	264.1064(c)				
	264.1064(c)(1)				
	264.1064(c)(2)				
	264.1064(c)(3)				
	264.1064(d)				
	264.1064(d)(1)				
	264.1064(d)(2)				
	264.1064(d)(3)				
	264.1064(d)(4)				
	264.1064(d)(5)				
	264.1064(d)(6)				
inspection log	264.1064(d)(7)				
information require- ments when each leak is detected as specified in 264.1052, 264.1053, 264.1057 and 264.1058	264.1064(d)(8)				
	264.1064(d)(9)				
	264.1064(d)(10)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
for each closed-vent system and control device subject to 264.1060, design documentation and monitoring, operating and inspection information recorded in facility operating record as specified in 264.1035(c)	264.1064(e)				
for a control device other than thermal vapor incinerator, catalytic vapor incinerator, flare, boiler, process heater, condenser, or carbon adsorption system, Regional Administrator will specify appropriate recordkeeping requirements	264.1064(f)				
	264.1064(g)				
	264.1064(g)(1)				
	264.1064(g)(2)(i)				
	264.1064(g)(2)(ii)				
information requirements for equipment subject to the requirements of 264.1052 through 264.1060 to be recorded in a log and kept in the facility operating record	264.1064(g)(3)				
	264.1064(g)(4)(i)				
	264.1064(g)(4)(ii)				
	264.1064(g)(4)(iii)				
	264.1064(g)(5)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
information	264.1064(h)				
requirements for					
valves subject to the	264.1064(h)(1)				
requirements of					
264.1057(g) and (h)	264.1064(h)(2)				
	264.1064(i)				
information					
requirements for	264.1064(i)(1)				
valves complying					
with 264.1062	264.1064(i)(2)				
additional information					
requirements	264.1064(j)				
criteria required					
in 264.1052(d)(5)(ii)					
and 264.1053(e)(2)					
and an explanation of					
the design criteria	264.1064(j)(1)				
any changes to the					
criteria and the					
reasons for the					
changes	264.1064(j)(2)				
information require-					
ments to be					
recorded in a log	264.1064(k)				
for determining					
exemptions as	264.1064(k)(1)				
provided in the					
applicability section	264.1064(k)(2)				
of Subpart BB and					
other specific Subparts	264.1064(k)(3)				
records of equipment					
leak and operating					
information need be					
kept for only					
three years	264.1064(l)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
the owner or operator of facility subject to Subpart BB and to regulations at 40 CFR Part 60, Subpart VV, or 40 CFR Part 61, Subpart V, may elect to determine compliance by documentation either pursuant to 264.1064 or provisions of 40 CFR Part 60 or Part 61, to the extent that the documentation duplicates the documentation required under Subpart BB	264.1064(m)				
REPORTING REQUIREMENTS					
a semiannual report submitted by owners or operators to Regional Administrator by specified dates	264.1065(a)				
	264.1065(a)(1)				
	264.1065(a)(2)				
	264.1065(a)(2)(i)				
	264.1065(a)(2)(ii)				
	264.1065(a)(2)(iii)				
specific information the semiannual report must contain	264.1065(a)(3)				
	264.1065(a)(4)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
a report to Regional Administrator not required if, during the semi-annual reporting period, leaks from valves, pumps, and compressors are repaired per 264.1057(d), 264.1052(c) and (d)(6) and 264.1053(g) requirements and the control device does not exceed or operate outside 264.1064(e) specifications for more than 24 hours	264.1065(b)				
reserved	264.1066 - 264.1079				
PART 265 - INTERIM STATUS STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL FACILITIES					
SUBPART B - GENERAL FACILITY STANDARDS					
GENERAL WASTE ANALYSIS					
4 add references to 265.1034(d) and 265.1063(d)	265.13(b)(6)				
GENERAL INSPECTION REQUIREMENTS					
change "items" to "terms"; add references to 265.1033, 265.1052, 265.1053, and 265.1058	265.15(b)(4)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE

SUBPART E - MANIFEST SYSTEM, RECORDKEEPING, AND REPORTING

OPERATION RECORD

add references to

265.1034 and

265.1063 265.73(b)(3)

add references to

265.1034(c)-(f),

265.1035,

265.1063(d)-,

and 265.1064 265.73(b)(6)

ADDITIONAL REPORTS

add new paragraph

reading: "As

otherwise required

by Subparts

AA and BB." 265.77(d)

SUBPART AA - AIR EMISSION STANDARDS FOR PROCESS VENTS

APPLICABILITY

regulations in

this subpart apply

to owners and

operators of

facilities that

treat, store or

dispose of

hazardous waste

except as provided

in 265.1 265.1030(a)

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
5 except for 265.1034(d) and 265.1034(e), Subpart AA applies to process vents associated with operations managing hazardous wastes with at least 10-ppmw organic concentrations if conducted in specific units	265.1030(b)				
units subject to the permitting requirements of Part 270	265.1030(b)(1)				
hazardous waste recycling units located on hazardous waste management facilities otherwise subject to Part 270 permitting requirements	265.1030(b)(2)				
DEFINITIONS					
all terms have meaning given them in 264.1031, the Act, and Parts 260-266	265.1031				
STANDARDS: PROCESS VENTS					
owner or operator of facility with process vents meeting certain conditions shall either:	265.1032(a)				
reduce total organic emissions below 1.4 kg/h and 2.8 Mg/yr	265.1032(a)(1)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
using control device, reduce total organic emissions by 95 weight percent	265.1032(a)(2)				
265.1033 require- ments must be met if owner or operator installs closed-vent system and control device to comply with 265.1032(a) provisions	265.1032(b)				
use of engineering calculations or performance tests conforming to 265.1034(c) requirements may be used for determi- nation of vent emissions and emission reductions or total organic compound concen- trations achieved by add-on control devices	265.1032(c)				
use of 265.1034(c) procedures to resolve disagreements between owner or operator and Regional Administrator on vent determinations	265.1032(d)				

STANDARDS: CLOSED-VENT SYSTEMS AND CONTROL DEVICES

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
compliance with provisions of 265.1033 by owners or operators of closed-vent systems and control devices used to comply with provisions of Part 265	265.1033(a)(1)				
preparation of an implementation schedule by owner or operator, of existing facility, who cannot install a closed-vent system and control device to comply with Subpart AA provisions by effective date; units that begin operation after December 21, 1990, must comply with the rules immediately	265.1033(a)(2)				
specification of efficiency standards for control device involving vapor recovery unless 265.1032(a)(1) emission limits can be attained	265.1033(b)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
organic emission standards for enclosed combustion device; for boiler or process heater used as control device, vent stream introduced into flame zone	265.1033(c)				
	265.1033(d)(1)				
	265.1033(d)(2)				
	265.1033(d)(3)				
	265.1033(d)(4)(i)				
	265.1033(d)(4)(ii)				
	265.1033(d)(4)(iii)				
specifications for the design and operation of a flare	265.1033(d)(5)				
determination of compliance of a flare with the visible emission provisions of Subpart AA using Reference Method 22 in 40 CFR Part 60	265.1033(e)(1)				
calculation of net heating value of gas being combusted in a flare using specified equation	265.1033(e)(2)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
determination of actual exit velocity of a flare using flow rate as determined by Reference Methods 2, 2A, 2C or 2D in 40 CFR Part 60	265.1033(e)(3)				
determination of maximum allowed velocity for a flare complying with 265.1033(d)(4)(iii)	265.1033(e)(4)				
determination of maximum allowed velocity for an air-assisted flare	265.1033(e)(5)				
monitoring and inspection of control device by owner and operator to ensure compliance with 265.1033 by implementing specified requirements:	265.1033(f)				
installation, cali- bration, maintenance, and operation of a flow indicator; where sensor shall be installed	265.1033(f)(1)				
specifications for installation, cali- bration, maintenance, and operation of a device to continuously monitor control device operation:	265.1033(f)(2)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
temperature monitor- ing device with a continuous recorder for a thermal vapor incinerator	265.1033(f)(2)(i)				
temperature monitor- ing device with a continuous recorder for a catalytic vapor incinerator	265.1033(f)(2)(ii)				
heat sensing monitor- ing device with a continuous recorder for a flare	265.1033(f)(2)(iii)				
temperature monitor- ing device with a continuous recorder for a boiler or process heater having a design heat input capacity less than 44 MW	265.1033(f)(2)(iv)				
monitoring device with a continuous recorder for a boiler or process heater having a design heat input capacity greater than or equal to 44 MW	265.1033(f)(2)(v)				
for a condenser, either:	265.1033(f)(2)(vi)				
monitoring device with a continuous recorder to measure concen- tration level of the organic compounds in the exhaust vent stream from the condenser	265.1033(f)(2)(vi)(A)				
temperature monitor- ing device with a					

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
continuous recorder; specifications	265.1033(f)(2)(vi)(B)				
for a carbon adsorption system, either:	265.1033(f)(2)(vii)				
monitoring device with a continuous recorder to measure concentration level of organic compounds in exhaust vent stream from carbon bed	265.1033(f)(2)(vii)(A)				
monitoring device with a continuous recorder to measure a parameter that indicates the carbon bed is regenerated on a regular pre- determined time cycle	265.1033(f)(2)(vii)(B)				
daily inspection of readings from monitoring device required by 265.1033(f)(1) and 265.1033(f)(2); implement corrective measures if necessary	265.1033(f)(3)				
replacement of existing carbon in control device by owner or operator using a fixed-bed carbon adsorber that meets the 265.1035(b)(4)(iii)(F) requirement	265.1033(g)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
replacement of carbon on a regular basis by owner or operator using a carbon canister	265.1033(h)				
monitor organic compounds daily or at interval no greater than 20 percent of time required to consume total carbon working capacity established at 265.1035(b)(4)(iii)(G), whichever is longer; replace existing carbon when carbon breakthrough occurs	265.1033(h)(1)				
replacement of existing carbon at intervals less than design carbon replacement interval established as a requirement of 265.1035(b)(4)(iii)(G)	265.1033(h)(2)				
documentation requirements for owner or operator seeking to comply with Part 265 provisions by using a control device other than a thermal vapor incinerator, catalytic vapor incinerator, flare, boiler, process heater condenser, or carbon adsorption system	265.1033(i)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
design and operational requirements for closed-vent systems based on 265.1034(b) methods	265.1033(j)(1)				
monitoring of closed-vent systems during initial leak detection monitoring, conducted by the date that the facility becomes subject to 265.1033 provisions, annually, and as requested by Regional Administrator	265.1033(j)(2)				
control of detectable emissions no later than 15 calendar days after emission is detected	265.1033(j)(3)				
first attempt at repair no later than 5 calendar days after emission is detected	265.1033(j)(4)				
closed vent systems and control devices used to comply with provisions of Subpart AA shall be operated at all times when emissions may be vented to them	265.1033(k)				
TEST METHODS AND PROCEDURES					
compliance with 265.1034 test methods and procedures by owner or operator subject to provisions of Subpart AA	265.1034(a)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
when testing a closed-vent system for compliance with 265.1033(j) requirements, comply with following test requirements:	265.1034(b)				
monitoring in compliance with Reference Method 21 in 40 CFR Part 60 detection instrument shall meet the performance criteria of Reference Method 21	265.1034(b)(1)				
calibration of instrument by procedures specified in Reference Method 21	265.1034(b)(2)				
calibration gases shall be:	265.1034(b)(3)				
	265.1034(b)(4)				
zero air	265.1034(b)(4)(i)				
mixture of methane or n-hexane and air at specified concentration	265.1034(b)(4)(ii)				
background level determined as set forth in Reference Method 21	265.1034(b)(5)				
instrument probe traverse requirements as described in Reference Method 21	265.1034(b)(6)				
arithmetic difference compared with 500 ppm for compliance determination	265.1034(b)(7)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
performance test requirements to determine compliance with 265.1032(a) and 265.1033(c)	265.1034(c)				
reference methods and calculation procedures to use when determining total organic compound concentrations and mass flow rates	265.1034(c)(1)				
Method 2 in 40 CFR Part 60 for velocity and volumetric flow rate	265.1034(c)(1)(i)				
Method 18 in 40 CFR Part 60 for organic content	265.1034(c)(1)(ii)				
performance tests in three separate runs; conditions for conducting runs; averaging results on a time-weighted basis	265.1034(c)(1)(iii)				
equation for determining total organic mass flow rates	265.1034(c)(1)(iv)				
equation for determining annual total organic emission rate	265.1034(c)(1)(v)				
6 determination of total organic emissions from all process vents using 265.1034(c)(1)(iv) equation and 265.1034(c)(1)(v) equation	265.1034(c)(1)(vi)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
recording of process information necessary to determine performance test conditions; certain operational periods not applicable	265.1034(c)(2)				
performance testing facilities provided by owner or operator	265.1034(c)(3)				
sampling ports adequate for 265.1034(c)(1) test methods	265.1034(c)(3)(i)				
safe sampling platform(s)	265.1034(c)(3)(ii)				
safe access to sampling platform(s)	265.1034(c)(3)(iii)				
utilities for sampling and testing equipment	265.1034(c)(3)(iv)				
use of time-weighted average of three runs in making compliance determinations; Regional Administrator approval needed for average based on two runs if a sample is accidentally lost or certain conditions occur	265.1034(c)(4)				
to demonstrate a process vent is not subject to Subpart AA requirements, use one of two methods to determine an annual average total organic concentration of less than 10 ppmw	265.1034(d)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
direct measurement using the following procedures:	265.1034(d)(1)				
minimum of four grab samples under specified process conditions	265.1034(d)(1)(i)				
for waste generated onsite, collect grab samples before exposure to the atmosphere; for waste generated offsite, collect grab samples at the inlet to the first waste management unit that receives the waste under specific conditions	265.1034(d)(1)(ii)				
sample analysis using Method 9060 or 8240 of SW-846	265.1034(d)(1)(iii)				
calculation of time-weighted, annual average total organic concentration of waste using knowledge of the waste to determine its total organic concentration is less than 10 ppmw; documentation of the waste determination is required; examples of acceptable documentation	265.1034(d)(1)(iv)				
guidelines for the determination that hazardous wastes are managed with annual average total	265.1034(d)(2)				
	265.1034(e)				
	265.1034(e)(1)				time-weighted,
	265.1034(e)(2)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
organic concentrations less than 10 ppmw	265.1034(e)(3)				
Method 8240 procedures used to resolve dispute in case of disagreement between owner or operator and Regional Administrator regarding the determination made in	265.1034(e)	265.1034(f)			
RECORDKEEPING REQUIREMENTS					
compliance with recordkeeping requirements	265.1035(a)(1)				
recordkeeping requirements for more than one hazardous waste management unit in one recordkeeping system	265.1035(a)(2)				
information that must be recorded in the facility operating record	265.1035(b)				
for 265.1033(a)(2)- complying facilities, an implementation schedule that includes specified dates and rationale; inclusion in operating record by effective date the facility becomes subject to Subpart AA provisions	265.1035(b)(1)				
up-to-date documen- tation of 265.1032 standards	265.1035(b)(2)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
information and data identifying all affected process vents and specific information for each vent	265.1035(b)(2)(i)				
information and data supporting determinations of vent emissions and emission reductions; new determination required if any action taken increases total emissions	265.1035(b)(2)(ii)				
a performance test plan for owners or operators using test data for determination	265.1035(b)(3)				
a description of the determination that a planned test will be conducted when unit is operating at the highest load or capacity level	265.1035(b)(3)(i)				
	265.1035(b)(3)(ii)				
	265.1035(b)(3)(ii)(A)				
	265.1035(b)(3)(ii)(B)				
	265.1035(b)(3)(ii)(C)				
detailed engineering description of closed-vent system and control device	265.1035(b)(3)(ii)(D)				
	265.1035(b)(3)(ii)(E)				
detailed description of sampling and monitoring procedures	265.1035(b)(3)(iii)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
documentation of compliance with 265.1033	265.1035(b)(4)				
information references and sources	265.1035(b)(4)(i)				
records including the dates of each compliance test required by 265.1033(j)	265.1035(b)(4)(ii)				
if engineering calculations are used, a design analysis and other documents that present basic control device design information; design analysis addresses vent stream characteristics and control device operation parameters	265.1035(b)(4)(iii)				
design analysis requirements for a thermal vapor incinerator	265.1035(b)(4)(iii)(A)				
design analysis requirements for a catalytic vapor incinerator	265.1035(b)(4)(iii)(B)				
design analysis requirements for a boiler or process heater	265.1035(b)(4)(iii)(C)				
design analysis requirements for a flare	265.1035(b)(4)(iii)(D)				
design analysis requirements for a condenser	265.1035(b)(4)(iii)(E)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
design analysis requirements for carbon adsorption system that regenerates the carbon bed directly onsite	265.1035(b)(4)(iii)(F)				
design analysis requirements for a carbon adsorption system that does not regenerate the carbon bed directly onsite	265.1035(b)(4)(iii)(G)				
certification state- ment signed and dated by owner or operator regarding operating parameters	265.1035(b)(4)(iv)				
certification state- ment signed and dated by owner or operator regarding control equipment meeting design specifications	265.1035(b)(4)(v)				
all test results when performance tests are used to demonstrate compliance	265.1035(b)(4)(vi)				
information to be recorded and kept up-to-date in the facility operating record for each closed-vent system and control device subject to the Part 265 regulations	265.1035(c)				
description and date of each modification	265.1035(c)(1)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
identification of operating parameter, description of monitoring device and location diagram for compliance with 265.1033(f)(1) and (f)(2)	265.1035(c)(2)				
information required by 265.1033(f)-(j)	265.1035(c)(3)				
date, time and duration of each period that occurs while control device is operating when any monitored parameter exceeds the value established in the design analysis	265.1035(c)(4)				
when combustion temperature is below 760°C for a thermal vapor incinerator	265.1035(c)(4)(i)				
	265.1035(c)(4)(ii)				
when temperature of vent stream is more than 28°C below average temperature or when temperature difference across catalyst bed is less than 80 percent of the design average temperature difference for a catalytic vapor incinerator	265.1035(c)(4)(iii)				
	265.1035(c)(4)(iii)(A)				
	265.1035(c)(4)(iii)(B)				
boiler or process heater	265.1035(c)(4)(iv)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
flame zone temperature is more than 28°C below design average temperature	265.1035(c)(4)(iv)(A)				
position changes	265.1035(c)(4)(iv)(B)				
period when the pilot flame is not ignited for a flare	265.1035(c)(4)(v)				
period when organic compounds are more than 20 percent greater than the design level for a condenser	265.1035(c)(4)(vi)				
condenser that complies with 265.1033(f)(2)(vi)(B)	265.1035(c)(4)(vii)				
temperature of exhaust vent stream is more than 6°C above design average temperature	265.1035(c)(4)(vii)(A)				
temperature of exiting coolant fluid is more than 6°C above design average temperature	265.1035(c)(4)(vii)(B)				
period when organic compounds are more than 20 percent greater than the design level for a carbon adsorption system	265.1035(c)(4)(viii)				
period when vent stream flow exceeds predetermined regeneration time for a carbon adsorption system	265.1035(c)(4)(ix)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
7 explanation for each period under 265.1035(c)(4) of the cause for parameters being exceeded and measures implemented	265.1035(c)(5)				
date when existing carbon is replaced	265.1035(c)(6)				
	265.1035(c)(7)				
	265.1035(c)(7)(i)				
log to record specific dates	265.1035(c)(7)(ii)				
date of each control device startup and shutdown	265.1035(c)(8)				
records required by paragraphs 265.1035(c)(3)-(c)(8) need be kept only 3 years	265.1035(d)				
monitoring and inspection infor- mation for control device other than a thermal vapor incinerator, catalytic vapor incinerator, flare, boiler, process heater, condenser, or carbon adsorption system must be recorded in the facility operating record	265.1035(e)				
logging of information used to determine if process vent is subject to 265.1032 and 265.1032(d)(2)	265.1035(f)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
reserved	265.1036 - 265.1049				

SUBPART BB - AIR EMISSION STANDARDS FOR EQUIPMENT LEAKS

APPLICABILITY

owners and operators
of facilities
that treat, store
or dispose of
hazardous wastes
except as provided
in 265.1

265.1050(a)

except as provided
in 265.1064(j),
applicability of
Subpart BB to equip-
ment that contains or
contacts hazardous
wastes with organic
concentrations of at
least 10 percent by
weight that are
managed in units or
facilities subject to
Part 270 permitting
requirements

265.1050(b)

265.1050(b)(1)

265.1050(b)(2)

equipment subject
to Subpart BB, Part
265 shall be marked
equipment in vacuum
service excluded
from requirements of
265.1052 to 265.1060
requirements if
identified
as required in
265.1064(g)(5)

265.1050(c)

265.1050(d)

DEFINITIONS

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
all terms have meaning given them in 264.1031, the Act, and Parts 260-266	265.1051				
STANDARDS: PUMPS IN LIGHT LIQUID SERVICE					
monthly monitoring to detect leaks as specified by 265.1063(b) methods except as provided in 265.1052(d), (e) and (f)	265.1052(a)(1)				
visual inspection each calendar week	265.1052(a)(2)				
conditions indicating a leak is detected	265.1052(b)(1) 265.1052(b)(2)				
time frame for leak repair, except as provided in 265.1059	265.1052(c)(1)				
first attempt at leak repair not to exceed 5 calendar days after leak detection	265.1052(c)(2)				
pump equipped with dual mechanical seal system that includes a barrier fluid system is exempt from 265.1052(a) if specific requirements are met:	265.1052(d)				
	265.1052(d)(1)				
operational and equipment requirements for a	265.1052(d)(1)(i) 265.1052(d)(1)(ii)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
dual mechanical seal system	265.1052(d)(1)(iii)				
organic concentra- tion limitation for barrier fluid system	265.1052(d)(2)				
sensor requirement	265.1052(d)(3)				
weekly visual check of pump	265.1052(d)(4)				
daily check of barrier fluid system sensor or monthly check of audible alarm	265.1052(d)(5)(i)				
determination of criterion to indicate failure of systems	265.1052(d)(5)(ii)				
leak detection criteria	265.1052(d)(6)(i)				
repair of leak not to exceed 15 calendar days, except as provided in 265.1059	265.1052(d)(6)(ii)				
first attempt at leak repair not to exceed 5 calendar days after leak detection	265.1052(d)(6)(iii)				
8 conditions under which pump designated for no detectable emissions is exempt from 265.1052(a), (c) and (d) requirements	265.1052(e) 265.1052(e)(1) 265.1052(e)(2) 265.1052(e)(3)				
pump equipped with closed-vent system and control device in compliance with 265.1060 is exempt					

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
from 265.1052(a)-(e) requirements	265.1052(f)				
STANDARDS: COMPRESSORS					
seal system requirement for compressor, except as provided in 265.1053(h) and (i)	265.1053(a)				
	265.1053(b)				
	265.1053(b)(1)				
specifications for compressor seal system	265.1053(b)(2)				
organic concentration limitation for barrier fluid	265.1053(b)(3)				
sensor requirement	265.1053(c)				
daily check of barrier fluid system sensor or monthly check of audible alarm; daily check if compressor located within boundary of unmanned site	265.1053(d)				
determination of criterion to indicate failure of systems	265.1053(e)(1)				
leak detection criteria	265.1053(e)(2)				
repair of leak not to exceed 15 calendar days, except as provided in 265.1059	265.1053(f)				
	265.1053(g)(1)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
first attempt at leak repair not to exceed 5 calendar days after leak detection	265.1053(g)(2)				
compressor equipped with closed-vent system and control device in compliance with 265.1060 is exempt from 265.1053(a) and (b) requirements, except as provided in 265.1053(i)	265.1053(h)				
conditions under which compressor designated for no detectable emissions is exempt from 265.1053(a) through (h) requirements	265.1053(i)				
	265.1053(i)(1)				
	265.1053(i)(2)				
STANDARDS: PRESSURE RELIEF DEVICES IN GAS/VAPOR SERVICE					
except during pressure releases, no detectable emission standards for the operation of pressure relief device in gas/vapor service, as measured by 265.1063(c) method	265.1054(a)				
time requirement and criteria for return of pressure relief device to a condition of no detectable emissions, except as provided in 265.1059	265.1054(b)(1)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
monitoring of pressure relief device within 5 calendar days after pressure relief to confirm no detectable emissions, as measured by 265.1063(c) method	265.1054(b)(2)				
pressure relief device equipped with closed-vent system and control device in compliance with 265.1060 is exempt from 265.1054(a) and (b)	265.1054(c)				
STANDARDS: SAMPLING CONNECTING SYSTEMS					
sampling connecting system equipped with closed purge or closed-vent system	265.1055(a)				
	265.1055(b)				
return, collect and recycle purged waste with no detectable emissions; control device in compliance with 265.1060	265.1055(b)(1)				
	265.1055(b)(2)				
	265.1055(b)(3)				
in situ sampling systems exempt from 265.1055(a) and (b) requirements	265.1055(c)				
STANDARDS: OPEN-ENDED VALVES OR LINES					
each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve	265.1056(a)(1)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
requirement to seal open end at all times except during specified operations	265.1056(a)(2)				
operational require- ments for open-ended valve or line equipped with a second valve	265.1056(b)				
requirements for bleed valve or line when a double block and bleed system is used; compliance with 265.1056(a)	265.1056(c)				
STANDARDS: VALVES IN GAS/VAPOR SERVICE OR IN LIGHT LIQUID SERVICE					
monthly monitoring of each valve in gas/vapor or light liquid service using 265.1063(b) methods; compliance with 265.1057(b)-(e), except as provided in 265.1057(f), (g) and (h), 265.1061 and 265.1062	265.1057(a)				
instrument reading of 10,000 ppm or greater indicates leak	265.1057(b)				
monitoring requirements if leak not detected for two successive months	265.1057(c)(1)				
monthly monitoring requirement if leak detected	265.1057(c)(2)				
repair of leak not to exceed 15 calendar days, except as provided in 265.1059	265.1057(d)(1)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
first attempt at leak repair not to exceed 5 calendar days after leak detection	265.1057(d)(2)				
	265.1057(e)				
	265.1057(e)(1)				
	265.1057(e)(2)				
best practices to include in first attempt at repair	265.1057(e)(3)				
valve designated for no detectable emissions under 265.1064(g)(2) is exempt from 265.1057(a) requirements if specified conditions are met	265.1057(e)(4)				
	265.1057(f)				
	265.1057(f)(1)				
	265.1057(f)(2)				
	265.1057(f)(3)				
conditions under which an unsafe-to-monitor valve as described in 265.1064(h)(1) is exempt from 265.1057(a) requirements	265.1057(g)				
	265.1057(g)(1)				
	265.1057(g)(2)				
conditions under which a difficult-to-monitor valve as described in 265.1064(h)(2) is exempt from 265.1057(a) requirements	265.1057(h)				
	265.1057(h)(1)				
	265.1057(h)(2)				
	265.1057(h)(3)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
STANDARDS: PUMPS AND VALVES IN HEAVY LIQUID SERVICE, PRESSURE RELIEF DEVICES IN LIGHT LIQUID OR HEAVY LIQUID SERVICE, AND FLANGES AND OTHER CONNECTORS					
monitoring of specified pumps and valves, pressure relief devices, flanges and other connectors within 5 days using 265.1063(b) methods in case of potential leaks	265.1058(a)				
reading of 10,000 ppm or greater indicates leak	265.1058(b)				
repair of leak not to exceed 15 calendar days, except as provided in 265.1059	265.1058(c)(1)				
first attempt at leak repair not to exceed 5 calendar days after leak detection	265.1058(c)(2)				
first attempt at repair includes best practices described under 265.1057(e)	265.1058(d)				
STANDARDS: DELAY OF REPAIR					
requirements for the delay of repair of equipment for which leaks have been detected	265.1059(a)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
type of equipment for which delay of repair allowed	265.1059(b)				
	265.1059(c)				
conditions under which delay of repair of valves allowed	265.1059(c)(1)				
	265.1059(c)(2)				
	265.1059(d)				
conditions under which delay of repair of pumps allowed	265.1059(d)(1)				
	265.1059(d)(2)				
conditions for delay of repair beyond a hazardous waste management unit shutdown	265.1059(e)				
STANDARDS: CLOSED-VENT SYSTEMS AND CONTROL DEVICES					
owners or operators of closed-vent systems and control devices shall comply with 265.1033 provisions	265.1060				
ALTERNATIVE STANDARDS FOR VALVES IN GAS/VAPOR SERVICE OR IN LIGHT LIQUID SERVICE: PERCENTAGE OF VALVES ALLOWED TO LEAK					
alternative standard allowing no greater than 2 percent of valves to leak for an owner or operator subject to 265.1057 requirements	265.1061(a)				
notification,	265.1061(b)				
performance test, and repair	265.1061(b)(1)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
requirements if an owner or operator decides to comply with alternative standard	265.1061(b)(2)				
	265.1061(b)(3)				
monitoring standards, leak detection criterion and determination of leak percentage when conducting performance tests	265.1061(c)				
	265.1061(c)(1)				
	265.1061(c)(2)				
	265.1061(c)(3)				
written notification to Regional Administrator of intent to follow 265.1057(a)-(e) work practice standard if owner or operator decides to no longer comply with 265.1061	265.1061(d)				
ALTERNATIVE STANDARDS FOR VALVES IN GAS/VAPOR SERVICE OR IN LIGHT LIQUID SERVICE: SKIP PERIOD LEAK DETECTION AND REPAIR					
election to comply with 265.1062(b)(2) and (3) alternative work practices by owner or operator subject to 265.1057 requirements	265.1062(a)(1)				
notification of Regional Administrator before implementing alternative work practice	265.1062(a)(2)				
compliance with 265.1057 requirements, except as described in 265.1062(b)(2) and (b)(3)	265.1062(b)(1)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
conditions under which an owner or operator may begin to skip one of the quarterly leak detection periods for valves subject to 265.1057 requirements	265.1062(b)(2)				
conditions under which an owner or operator may begin to skip three of the quarterly leak detection periods for valves subject to 265.1057 requirements	265.1062(b)(3)				
compliance with 265.1057 monthly monitoring require- ments if percentage of valves leaking exceeds 2 percent; may elect to use 265.1062 require- ments again after meeting 265.1057(c)(1) requirements	265.1062(b)(4)				
TEST METHODS AND PROCEDURES					
compliance with test methods and procedure requirements by owner or operator subject to provisions of Subpart BB	265.1063(a)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
leak detection monitoring as required in 265.1052-265.1062 shall comply with specified requirements:	265.1063(b)				
monitoring in compliance with Reference Method 21 in 40 CFR Part 60	265.1063(b)(1)				
detection instrument shall meet the performance criteria of Reference Method 21	265.1063(b)(2)				
calibration of instru- ment by procedures specified in Reference Method 21	265.1063(b)(3)				
calibration gases shall be:	265.1063(b)(4)				
zero air	265.1063(b)(4)(i)				
mixture of methane or n-hexane and air at specified concentration	265.1063(b)(4)(ii)				
instrument probe traverse requirements as described in Reference Method 21	265.1063(b)(5)				
test compliance requirements for equipment with no detectable emissions as required in 265.1052(e), 265.1053(i),	265.1063(c)				
	265.1063(c)(1)				
	265.1063(c)(2)				
	265.1063(c)(3)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
265.1054 and 265.1057(f) in accordance with 265.13(b), determina- tion by owner or operator of whether equipment contains or contacts a hazardous waste with organic concentration equal to or greater than 10% by weight using the following: methods described in ASTM Methods D 2267-88, E 169-87, E 168-88 and E 260-85 Method 9060 or 8240 of SW-846 application of the knowledge of the nature of the hazardous waste stream or the process by which it was produced; docu- mentation required; examples of documentation determination as specified in 265.1063(d) can be revised only after following 265.1063(d)(1) or (d)(2) procedures	265.1063(c)(4)	265.1063(d)			
		265.1063(d)(1)			
		265.1063(d)(2)			
		265.1063(d)(3)			
		265.1063(e)			

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
use of 265.1063(d)(1) or (d)(2) to resolve determination disputes between owner or operator and Regional Administrator	265.1063(f)				
samples used for determination representative of highest expected total organic content hazardous waste	265.1063(g)				
to determine if pumps or valves are in light liquid service, vapor pressures of constituents may be obtained from standard reference texts or may be determined by ASTM D-2879-86	265.1063(h)				
performance tests for control device shall comply with 265.1034(c)(1) through (c)(4) procedures	265.1063(i)				
RECORDKEEPING REQUIREMENTS					
compliance with recordkeeping requirements	265.1064(a)(1)				
recordkeeping requirements for more than one hazardous waste management unit in one recordkeeping system	265.1064(a)(2)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
		265.1064(b)			
		265.1064(b)(1)			
		265.1064(b)(1)(i)			
		265.1064(b)(1)(ii)			
		265.1064(b)(1)(iii)			
specific information that owners and operators must record in the facility operating record for facilities that comply with the provisions of 265.1033(a)(2), an implementation schedule as specified in 265.1033(a)(2)		265.1064(b)(1)(iv)			
		265.1064(b)(1)(v)			
		265.1064(b)(1)(vi)			
performance test plan as specified in 265.1035(b)(3) if test data are used for control device demonstration	265.1064(b)(2)				
documentation of compliance with 265.1060, including documentation or results specified in 265.1035(b)(4)	265.1064(b)(3)				
	265.1064(b)(4)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
9 information require- ments when each leak is detected as specified in 265.1052, 265.1053, 265.1057 and 265.1058		265.1064(c)			
		265.1064(c)(1)			
		265.1064(c)(2)			
		265.1064(c)(3)			
		265.1064(d)			
		265.1064(d)(1)			
		265.1064(d)(2)			
		265.1064(d)(3)			
		265.1064(d)(4)			
		265.1064(d)(5)			
inspection log information require- ments when each leak is detected as specified in 265.1052, 265.1053, 265.1057 and 265.1058		265.1064(d)(6)			
		265.1064(d)(7)			
		265.1064(d)(8)			
		265.1064(d)(9)			
		265.1064(d)(10)			
for each closed-vent system and control device subject to 265.1060, design documentation and monitoring, operating and inspection informa- tion recorded in facility operating record as specified in 265.1035(c)		265.1064(e)			

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
monitoring and inspection information for control device other than a thermal vapor incinerator, catalytic vapor incinerator, flare, boiler, process heater, condenser, or carbon adsorption system must be recorded in the facility operating record	265.1064(f)				
	265.1064(g)				
	265.1064(g)(1)				
	265.1064(g)(2)(i)				
	265.1064(g)(2)(ii)				
information requirements for equipment subject to the requirements of 265.1052 through 265.1060 to be recorded in a log and kept in the facility operating record	265.1064(g)(3)				
	265.1064(g)(4)(i)				
	265.1064(g)(4)(ii)				
	265.1064(g)(4)(iii)				
	265.1064(g)(5)				
information requirements for valves subject to the requirements of 265.1057(g) and (h)	265.1064(h)				
	265.1064(h)(1)				
	265.1064(h)(2)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
	265.1064(i)				
information					
requirements for	265.1064(i)(1)				
valves complying					
with 265.1062	265.1064(i)(2)				
additional information					
requirements	265.1064(j)				
criteria required					
in 265.1052(d)(5)(ii)					
and 265.1053(e)(2)					
and an explanation of					
the design criteria	265.1064(j)(1)				
any changes to the					
criteria and the					
reasons for the					
changes	265.1064(j)(2)				
information require-					
ments to be					
recorded in a log	265.1064(k)				
for determining					
exemptions as	265.1064(k)(1)				
provided in the					
applicability section	265.1064(k)(2)				
of Subpart BB and					
other specific Subparts	265.1064(k)(3)				
records of equipment					
leak and operating					
information need be					
kept for only					
three years	265.1064(l)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
the owner or operator of facility subject to Subpart BB and to regulations at 40 CFR Part 60, Subpart VV, or 40 CFR Part 61, Subpart V, may elect to determine compliance by documentation either pursuant to 265.1064 or provisions of 40 CFR Part 60 or Part 61, to the extent that the documentation duplicates the documentation required under Subpart BB		265.1064(m)			
reserved		265.1065 - 265.1079			
PART 270 - EPA-ADMINISTERED PERMIT PROGRAMS: THE HAZARDOUS WASTE PERMIT PROGRAM					
SUBPART B - PERMIT APPLICATION					
CONTENTS OF PART B: GENERAL REQUIREMENTS					
add references to 264.1033, 264.1052, 264.1053 and 264.1058		270.14(b)(5)			
remove "and" at the end of paragraph		270.14(b)(8)(iv)			
insert "; and" at the end of paragraph		270.14(b)(8)(v)			

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
add new paragraph reading "Prevent releases to atmosphere"	270.14(b)(8)(vi)				
SPECIFIC PART B INFORMATION REQUIREMENTS FOR PROCESS VENTS					
additional infor- mation that must be provided by owners and operators of facilities that have process vents to which Subpart AA of Part 264 applies, except as provided in 264.1	270.24				
implementation schedule as specified in 264.1033(a)(2) for facilities that cannot install a closed-vent system and control device to comply with Part 264 Subpart AA provisions on the effective date the facility becomes subject to Part 264 or Part 265 Subpart AA provisions	270.24(a)				
documentation of compliance with process vent standards in 264.1032 including:	270.24(b)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
information and data identifying all affected process vents and specific information for each vent	270.24(b)(1)				
information and data supporting estimates of vent emissions and emission reductions; estimates made using parameter values representing highest load or capacity level conditions	270.24(b)(2)				
information and data for determining if a process vent is subject to 264.1032 requirements	270.24(b)(3)				
a performance test plan as specified in 264.1035(b)(3) if applying to use certain control devices and using test data to determine efficiency or concentration	270.24(c)				
documentation of compliance with 264.1033 including: references and sources used in preparing documentation	270.24(d)				
10 records including dates of each compliance test required by 264.1033(k)	270.24(d)(1)				
	270.24(d)(2)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
design analysis and other documents that present basic control device design information; design analysis addresses vent stream characteristics and control device operation parameters as specified in 264.1035(b)(4)(iii)	270.24(d)(3)				
certification statement signed and dated by owner or operator regarding operating parameters used in design analysis	270.24(d)(4)				
certification statement signed and dated by owner or operator regarding control device meeting efficiency design specifications	270.24(d)(5)				
SPECIFIC PART B INFORMATION REQUIREMENTS FOR EQUIPMENT					
additional information that must be provided by owners and operators of facilities that have equipment to which Subpart BB of Part 264 applies, except as provided in 264.1	270.25				
for each piece of equipment to which Subpart BB of Part 264 applies:	270.25(a)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
equipment identification number and hazardous waste management unit identification	270.25(a)(1)				
approximate locations within the facility	270.25(a)(2)				
type of equipment	270.25(a)(3)				
percent by weight total organics in the hazardous waste stream at the equipment	270.25(a)(4)				
hazardous waste state at the equipment	270.25(a)(5)				
method of compliance with the standard	270.25(a)(6)				
implementation schedule as specified in 264.1033(a)(2) for facilities that cannot install a closed-vent system and control device to comply with Part 264 Subpart BB provisions on the effective date the facility becomes subject to Part 264 or Part 265 Subpart BB provisions	270.25(b)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
a performance test plan as specified in 264.1035(b)(3) if applying to use certain control devices and using test data to determine efficiency or concentration	270.25(c)				
documentation demonstrating compliance with 264.1052 to 264.1059 equipment standards and containing records required under 264.1064; Regional Administrator may request further documentation	270.25(d)				
documentation to demonstrate compliance with 264.1060 shall include:	270.25(e)				
references and sources used in preparing documentation	270.25(e)(1)				
records including dates of each compliance test required by 264.1033(j)	270.25(e)(2)				

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
design analysis and other documents that present basic control device design information; design analysis addresses vent stream characteristics and control device operation parameters as specified in 264.1035(b)(4)(iii)	270.25(e)(3)				
certification statement signed and dated by owner or operator regarding operating parameters used in design analysis	270.25(e)(4)				
certification statement signed and dated by owner or operator regarding control device meeting efficiency design specifications	270.25(e)(5)				
<p>1 There is a typographical error in the <u>Federal Register</u> notice for this checklist (55 <u>FR</u> 25494, June 21, 1990). The reference to "2641" in paragraph 264.1030(a) should be to "264.1."</p> <p>2 There is a typographical error in the <u>Federal Register</u> notice for this checklist (55 <u>FR</u> 25494, June 21, 1990). The reference to "264.1035(e)" in paragraph 264.1030(b) should be to "264.1034(e)."</p> <p>3 The reference to "paragraphs (1) and (2) of this section" in the <u>Federal Register</u> (55 <u>FR</u> 25454, June 21, 1990) in paragraph 264.1033(f)(3) should be to "paragraphs (f)(1) and (f)(2) of this section."</p> <p>4 There is an error in the July 1, 1989 <u>CFR</u> which is repeated in the <u>Federal Register</u> for this checklist (55 <u>FR</u> 25506 and 25507, June 21, 1990). The reference to "265.193" should be to "265.200."</p> <p>5 There is a typographical error in the <u>Federal Register</u> notice for this checklist (55 <u>FR</u> 25507, June 21, 1990). The reference to "265.1035(d)" in paragraph 265.1030(b) should be to "265.1034(e)."</p> <p>6 There is a typographical error in the <u>Federal Register</u> notice for this checklist (55 <u>FR</u> 25510, June 21, 1990). The first reference to "(c)(1)(v)" in paragraph 265.1034(c)(1)(vi) should be to "(c)(1)(iv)."</p>					

RCRA REVISION CHECKLIST 79: Organic air Emission Standards
for Process Vents and Equipment Leaks (cont'd)

			STATE ANALOG IS:		
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
7	There is a typographical error in the <u>Federal Register</u> for this checklist (55 <u>FR</u> 25512, June 21, 1990). The reference to "paragraph (3)" in paragraph 265.1035(c)(5) should be to "paragraph (4)."				
8	There is a typographical error in the <u>Federal Register</u> for this checklist (55 <u>FR</u> 25513). The reference to "(a)(2)" in paragraph 265.1052(e)(3) should be to "(e)(2)."				
9	There is a typographical error in the <u>Federal Register</u> for this checklist (55 <u>FR</u> 25516, June 21, 1990). The reference to "265.1953" in paragraph 265.1064(c) should be to "265.1053."				
10	There is a typographical error in the <u>Federal Register</u> for this checklist (55 <u>FR</u> 25518, June 21, 1990). The reference to "264.103(k)" in paragraph 270.24(d)(2) should be to "264.1033(k)."				