

US EPA ARCHIVE DOCUMENT

RCRA REVISION CHECKLIST 75

Listing of 1,1-Dimethylhydrazine Production Wastes

55 FR 18496-18506

May 2, 1990

(HSA Cluster II)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE

PART 261 - IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

SUBPART D - LISTS OF HAZARDOUS WASTES

HAZARDOUS WASTES FROM SPECIFIC SOURCES

1 add K107-K110 to
the subgroup

"Organic Chemicals" 261.32 §361.003 (15) §335.1 x

Industry and EPA hazardous waste No.	Hazardous waste	Hazard code
---	-----------------	----------------

*	*	*	*	*	*	*	*
Organic chemicals:							
*	*	*	*	*	*	*	*
K107	Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	(C,T)					
K108	Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	(I,T)					
K109	Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	(T)					
K110	Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	(T)					

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RCRA REVISION CHECKLIST 75: List 1,1-Dimethylhydrazine Production Wastes (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
*	*	*	*	*	*

APPENDIX III TO PART 261

CHEMICAL ANALYSIS TEST METHODS

add compound and
analysis method to

Table 1 Appendix III §335.29 X

TABLE 1. - ANALYSIS METHODS FOR ORGANIC
CHEMICALS CONTAINED IN SW-846

*	*	*	*	*	*
Compound					Method No.
*	*	*	*	*	*
1,1-Dimethylhydrazine (UDMH).....					8250
*	*	*	*	*	*

APPENDIX VII TO PART 261

BASIS FOR LISTING HAZARDOUS WASTE

add, in numerical

order, K107-K110 Appendix VII §335.29 X

EPA hazardous waste No.	Hazardous constituents for which listed
----------------------------	--

* * * * *

K107.....	1,1-Dimethylhydrazine (UDMH).
K108.....	1,1-Dimethylhydrazine (UDMH).
K109.....	1,1-Dimethylhydrazine (UDMH).
K110.....	1,1-Dimethylhydrazine (UDMH).

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RCRA REVISION CHECKLIST 75: List 1,1-Dimethylhydrazine Production Wastes (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE

* * * * *

1

The Federal Register for this Rule contains two typographical errors in the description of the K107 hazardous waste (55 FR 18505). "1,1-dimethyl-hydrazine" should be "1,1-dimethylhydrazine" and "hydrazines" should be "hydrazides." This revision checklist contains the corrected description for K107.

Incorporation by Reference Form 1

RCRA Revision Checklist 75Cluster II

FEDERAL RCRA CITATION	STATE CITATION INCORPORATING BY REFERENCE	STATE ANALOG IS:		
		EQUIVALENT	MORE STRINGENT	BROADER IN SCOPE
Part 261 Appendix VII	§335.29	X		
261.32	§361.003(15),	X		
	§335.1			

Comments:

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RCRA REVISION CHECKLIST 76

Criteria for Listing Toxic Wastes; Technical Amendment

55 FR 18726

May 4, 1990

(Non-HSWA Cluster VI)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE

PART 261 - IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

SUBPART B - CRITERIA FOR IDENTIFYING THE CHARACTERISTICS OF
HAZARDOUS WASTE AND FOR LISTING HAZARDOUS WASTE

CRITERIA FOR LISTING HAZARDOUS WASTE

replace "unless" after

"Appendix VIII" with

"and"; delete "any of"

after "considering";

delete "not" after

"waste is"

261.11(a)(3)

335.1

x

Incorporation by Reference Form 1

RCRA Revision Checklist 76

Cluster NONHSWA VI

FEDERAL RCRA CITATION	STATE CITATION INCORPORATING BY REFERENCE	STATE ANALOG IS:		
		EQUIVALENT	MORE STRINGENT	BROADER IN SCOPE
261.11(a)(3)	335.1	X		

Comments:

8/6/91

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RCRA REVISION CHECKLIST 77

HSWA Codification Rule, Double Liners; Correction

55 FR 19262-19264

May 9, 1990

(HSWA Cluster II)

The final rule addressed by this checklist corrects 264.221(c) and 264.301(c) as promulgated on July 15, 1985 (50 FR 28702; Revision Checklist 17 H). This correction is based on a decision reached in the U.S. Court of Appeals for the District of Columbia on June 23, 1987 concerning a lawsuit filed against EPA. States not yet authorized for Revision Checklist 17 H are encouraged to adopt these corrections at the same time the Revision Checklist 17 H provisions are adopted.

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE

PART 264 - STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS
WASTE TREATMENT, STORAGE AND DISPOSAL FACILITIES

SUBPART K - SURFACE IMPOUNDMENTS

DESIGN AND OPERATING REQUIREMENTS

- 1 insert "for units where
the Part B of the
permit application is
received by the
Regional Administrator
after November 8,
1984" after "permit"

264.221(c)

§335.168 (c) ✓

x

SUBPART N - LANDFILLS

DESIGN AND OPERATING REQUIREMENTS

- add sentence regard-
ing applicability of
264.301(c) only where
Part B of the permit
application is
received after
November 8, 1984

264.301(c)

§335.173 (c) ✓

x

"Issuance" should not be changed to "insurance" in this paragraph; this is a typographical error in the FR for this correction notice (55 FR 19263).

8/6/91

RCRA REVISION CHECKLIST 77

DRAFT

HSWA Codification Rule, Double Liners; Correction

55 FR 19262-19264

May 9, 1990

(HSWA Cluster II)

The final rule addressed by this checklist corrects 264.221(c) and 264.301(c) as promulgated on July 15, 1985 (50 FR 28702; Revision Checklist 17 H). This correction is based on a decision reached in the U.S. Court of Appeals for the District of Columbia on June 23, 1987 concerning a lawsuit filed against EPA. States not yet authorized for Revision Checklist 17 H are encouraged to adopt these corrections at the same time the Revision Checklist 17 H provisions are adopted.

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE

PART 264 - STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS
WASTE TREATMENT, STORAGE AND DISPOSAL FACILITIES

SUBPART K - SURFACE IMPOUNDMENTS

DESIGN AND OPERATING REQUIREMENTS

- 1 insert "for units where
the Part B of the
permit application is
received by the
Regional Administrator
after November 8,
1984" after "permit"

264.221(c)

§335.168 (c)

x

SUBPART N - LANDFILLS

DESIGN AND OPERATING REQUIREMENTS

add sentence regard-
ing applicability of
264.301(c) only where
Part B of the permit
application is
received after

November 8, 1984

264.301(c)

§335.173 (c)

x

"Issuance" should not be changed to "insurance" in this paragraph; this is a typographical error in the FR for this correction notice (55 FR 19263).

RCRA REVISION CHECKLIST 78

Land Disposal Restrictions for
Third Third Scheduled Wastes55 FR 22520-22720

June 1, 1990

(HSWA Cluster II and Non-HSWA Cluster VI)

- 1) The Federal Register addressed by this checklist is the last of five Congressionally mandated prohibitions on land disposal of hazardous wastes. Previous checklists based on the Congressional mandate include Revision Checklists 34, 39, 50 and 63. Revision Checklists 62 and 66 correct the First Third Rule addressed by Revision Checklist 50.
- 2) This checklist may be subject to change in the future. EPA's State Programs Branch is currently discussing the relationship of hazardous waste injection issues to the State authorization program. In question are the changes made to 40 CFR Part 148 by the final rule addressed by this checklist and whether they should be included in the checklist. This present checklist does not include these changes.
- 3) The checklist is in HSWA Cluster II, with the exception of the clarifying amendment to §261.33(c) which is in non-HSWA Cluster VI. This clarification is not immediately effective in authorized States since the requirements are not imposed pursuant to HSWA. Thus, these requirements are applicable only in those States that do not have interim or final authorization. In authorized States, the requirements will not be applicable until the State revises its program to adopt equivalent requirements under State law.
- 4) The following sections of code are not delegable to States: §§268.5, 268.42(b) and 268.44. With regard to §268.6, "no-migration" petitions, EPA will continue to handle these petitions at Headquarters although States may be authorized to grant these petitions in the future. For a more detailed discussion of delegability issues, see the "special guidance" section in the Appendix J instructions.
- 5) States which have not submitted any disposal restrictions are strongly encouraged to use the Consolidated Land Disposal Restriction Checklist rather than the seven individual revision checklists.
- 6) Note that the Toxicity Characteristic Leaching Procedure (TCLP) referred to by the Third Third Scheduled Waste Rule is the TCLP entered into the Federal code at 40 CFR 261 Appendix II by the Toxicity Characteristic Rule (55 FR 11798, March 29, 1990) and amended at 55 FR 26986 (June 29, 1990). (Both the Toxicity Characteristic Rule and the June amendment are addressed by Revision Checklist 74.) The TCLP procedure previously located at 40 CFR Part 268, Appendix I and introduced by the Solvents and Dioxins Land Disposal Restrictions Rule (51 FR 40572; November 7, 1986; Revision Checklist 34) is the outdated version of the TCLP. Thus, States adopting the Third Third Scheduled Waste Rule must also adopt the new version of the TCLP.
- 7) Guidance regarding the use of the new TCLP versus the EP Toxicity Test may be found at 55 FR 22660 (June 1, 1990). The code (40 CFR 268.40(a) and 268.41(a)) addressing this issue contains a serious technical error which is discussed in Footnote 11 found at the end of this checklist.
- 8) Adopting the alternate treatment standards for lab packs is optional. However, if a State chooses to adopt these alternate standards, all of the requirements related to these standards must be adopted, including all of the provisions added by the Third Third Scheduled Waste Rule (i.e., Revision Checklist 78) at 264.316(f), 265.316(f), 268.7(a)(7), 268.7(a)(8), 268.42(c), 268.42(c)(1)-(4), and Appendices IV and V to Part 268.

FEDERAL	FEDERAL RCRA	ANALOGOUS STATE	STATE ANALOG IS:		
			EQUIV-	MORE STRIN-	BROAD- ER IN

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RCRA REVISION CHECKLIST 78: Land Disposal Restrictions for
Third Third Scheduled Wastes (cont'd)

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
REQUIREMENT	CITATION	CITATION	ALENT	GENT	SCOPE

PART 261 - IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

SUBPART C - CHARACTERISTICS OF HAZARDOUS WASTE

GENERAL

remove ", but is not
listed as a hazardous
waste in Subpart D";
change "the EPA"
to "every EPA";
insert "that is
applicable as"
before "set forth";
remove "in the
respective charac-
teristic" before "in
this Subpart"; before
"recordkeeping",
change "certain" to
"all applicable"

261.20(b)

§361.003 (15), §335.1

x

CHARACTERISTIC OF IGNITABILITY

remove ", but is
not listed as a
hazardous waste
in Subpart D,"

261.21(b)

§361.003 (15), §335.1

x

CHARACTERISTIC OF CORROSIVITY

remove ", but is
not listed as a
hazardous waste
in Subpart D,"

261.22(b)

§361.003 (15), §335.1

x

CHARACTERISTIC OF REACTIVITY

remove ", but is
not listed as a
hazardous waste
in Subpart D,"

261.23(b)

§361.003 (15), §335.1

x

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RCRA REVISION CHECKLIST 78: Land Disposal Restrictions for
Third Third Scheduled Wastes (cont'd)

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE

CHARACTERISTIC OF EP TOXICITY

remove ", but is
not listed as a
hazardous waste
in Subpart D,"

261.24(b)

§361.003 (15), §335.1 ✓ x

SUBPART D - LISTS OF HAZARDOUS WASTES

HAZARDOUS WASTES FROM NON-SPECIFIC SOURCES

add the waste
code "F039" to list
in alphanumeric
order to list as
specified below

261.31

§361.003 (15), §335.1 ✓ x

Industry and EPA hazardous
waste No.

Hazardous waste

Hazard

code

* * * * *

F039..... Leachate resulting from the treatment, storage, (T)
or disposal of wastes classified by more than
one waste code under Subpart D, or from a mixture
of wastes classified under Subparts C and D of
this part. (Leachate resulting from the manage-
ment of one or more of the following EPA Hazardous
Wastes and no other hazardous wastes retains its
hazardous waste code(s): F020, F021, F022,
F023, F026, F027, and/or F028.).

* * * * *

DISCARDED COMMERCIAL CHEMICAL PRODUCTS, OFF SPECIFICATION SPECIES, CONTAINER RESIDUES, AND SPILL RESIDUES THEREOF

- 1 insert "or (f)"
after "(e)";
change "261.7(b)(3)"

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RCRA REVISION CHECKLIST 78: Land Disposal Restrictions for
Third Third Scheduled Wastes (cont'd)

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
to "261.7(b)"	261.33(c)	§361.003 (15), §335.1	✓	x	

APPENDIX VII TO PART 261

BASIS FOR LISTING HAZARDOUS WASTE

add "F039" to list

in alphanumeric order

as shown below:

Appendix VII

§335.29 ✓

x

EPA hazardous
waste No.Hazardous constituents for
which listed

*	*	*	*	*	*
---	---	---	---	---	---

F039.....

All constituents for which treatment

standards are specified for multi-source
leachate (wastewaters and non-
wastewaters) under 40 CFR 268.43(a),
Table CCW.

*	*	*	*	*	*
---	---	---	---	---	---

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RCRA REVISION CHECKLIST 78: Land Disposal Restrictions for
Third Third Scheduled Wastes (cont'd)

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE

PART 262 - STANDARDS APPLICABLE TO GENERATORS OF
HAZARDOUS WASTE

SUBPART A - GENERAL

HAZARDOUS WASTE DETERMINATION

in the first sentence,
replace "If" with
"For purposes
of compliance with
40 CFR Part 268, or
if"; remove "as a
hazardous waste"
after "listed"; replace
"of 40 CFR Part 261"
with "of this part";
replace "he must
determine" with
"the generator must
then determine"

262.11(c)

§335.62 (2) ✓

x

SUBPART C - PRE-TRANSPORT REQUIREMENTS

ACCUMULATION TIME

replace "and with
§265.16" with
", with §265.16,
and with 40 CFR
268.7(a)(4)"

262.34(a)(4)

§335.69 (a) (4) ✓

x

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RCRA REVISION CHECKLIST 78: Land Disposal Restrictions for
Third Third Scheduled Wastes (cont'd)

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE

PART 264 - STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE
TREATMENT, STORAGE AND DISPOSAL FACILITIES

SUBPART B - GENERAL FACILITY STANDARDS

revise comment
following paragraph
(a)(2) as follows:
remove "or all" after
"supply part"; add "
except as otherwise
specified in
in 40 CFR 268.7(b)
and (c)." to the
second sentence

264.13(a)(2)

§335.152 (a) (1) ✓

x

SUBPART K - SURFACE IMPOUNDMENTS

SPECIAL REQUIREMENTS FOR IGNITABLE OF REACTIVE WASTE

insert "the waste
and impoundment
satisfy all applicable
requirements of
40 CFR Part 268 and"
after "unless"

264.229

§335.152 (a) (9) ✓

x

SUBPART L - WASTE PILES

SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE

insert "the waste and
waste pile satisfy all
applicable requirements
of 40 CFR Part 268,
and" after "unless"

264.256

§335.152 (a) (10) ✓

x

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RCRA REVISION CHECKLIST 78: Land Disposal Restrictions for
Third Third Scheduled Wastes (cont'd)

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE

SUBPART M - LAND TREATMENT

SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTES

insert "the waste and
the treatment zone
meet all applicable
requirements of
40 CFR Part 268, and"
after "unless"

264.281

§335.152 (a) (11) ✓

x

SUBPART N - LANDFILLS

SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTES

replace "in treated,
rendered, or mixed
before or immediately
after placement in a
landfill so that:" with
"and landfill meet all
applicable requirements
of Part 268, and:"
begin the first
sentence with "Except
for prohibited wastes
which remain subject
to treatment standards
in Subpart D of
Part 268,"

264.312(a)

§335.152 (a) (12) ✓

x

264.312(b)

§335.152 (a) (12) ✓

x

DISPOSAL OF SMALL CONTAINERS OF HAZARDOUS WASTE IN OVERPACKED

DRUMS (LAB PACKS)

- †, add new paragraph
2 regarding disposal in
compliance with Part
268; requirement for
fiber drums to meet
DOT specifications
and 264.316(b)
requirements if
incinerate lab packs

264.316(f)

§335.152 (a) (12) ✓

x

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RCRA REVISION CHECKLIST 78: Land Disposal Restrictions for
Third Third Scheduled Wastes (cont'd)

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE

PART 265 - INTERIM STATUS STANDARDS FOR OWNERS AND OPERATORS OF
HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL FACILITIES

SUBPART A - GENERAL

PURPOSE, SCOPE, AND APPLICABILITY

replace "Part 268" with
"40 CFR Part 268, and
the 40 CFR Part 268
standards are
considered material
conditions or
requirements of the
Part 265 interim
status standards"

265.1(e)

§335.111 (c) ✓

x

SUBPART B - GENERAL FACILITY STANDARDS

GENERAL WASTE ANALYSIS

revise comment
following subparagraph
(a)(2) as follows:
remove "or all" after
"supply part"; add
", except as otherwise
specified in 40 CFR
268.7(b) and (c)."
to the second
sentence

265.13(a)(2)

§335.112 (a) (1) ✓

x

SUBPART K - SURFACE IMPOUNDMENTS

SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE

insert "the waste
and impoundment
satisfy all applicable
requirements of
40 CFR Part
268, and"
after "unless"

265.229

§335.112 (a) (10) ✓

x

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RCRA REVISION CHECKLIST 78: Land Disposal Restrictions for
Third Third Scheduled Wastes (cont'd)

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE

SUBPART L - WASTE PILES

SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE

insert "the waste and
pile satisfy all
applicable requirements
of 40 CFR Part 268,
and" after "unless"

265.256

§335.112 (a) (11) ✓

x

SUBPART M - LAND TREATMENT

SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTES

insert "the waste and
treatment zone meet
all applicable require-
ments of 40 CFR
Part 268, and" after
"unless"

265.281

§335.112 (a) (12) ✓

x

SUBPART N - LANDFILLS

SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTES

replace "is treated,
rendered, or mixed
before or immediately
after placement in a
landfill so that:" with
"and landfill meet all
applicable requirements
of 40 CFR 268, and:"

265.312(a)

§335.112 (a) (13) ✓

x

begin the first
sentence with "Except
for prohibited wastes
which remain subject
to treatment standards
in Subpart D of
Part 268,"

265.312(b)

§335.112 (a) (13) ✓

x

DRAFT

PART 268 - LAND DISPOSAL RESTRICTIONS

PURPOSE, SCOPE AND APPLICABILITY

DEFINITIONS APPLICABLE TO THIS PART

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
"halogenated organic compounds" or "HOCs"					
as 268.2(a)	268.2(a)	§335.431 (c)	x		
4 redesignate					
"hazardous constituent or constituents"					
as 268.2(b)	268.2(b)	§335.431 (c)	x		
5 redesignate "land disposal" as 268.2(c)	268.2(c)	§335.431 (c)	x		
6 add					
"nonwastewaters"	268.2(d)	§335.431 (c)	x		
7 redesignate					
"polychlorinated biphenyls" or "PCBs"					
as 268.2(e)	268.2(e)	§335.431 (c)	x		
add					
"wastewaters" and the following exceptions:	268.2(f)	§335.431 (c)	x		
"F001, F002, F003 F004, F005 solvent- water mixtures"	268.2(f)(1)	§335.431 (c)	x		
"K011, K013, K014 wastewaters"	268.2(f)(2)	§335.431 (c)	x		
"K103 and K104 wastewaters"	268.2(f)(3)	§335.431 (c)	x		
add "inorganic solid debris"; specific inorganic or metal materials:	268.2(g)	§335.431 (c)	x		
metal slags	268.2(g)(1)	§335.431 (c)	x		
classified slag	268.2(g)(2)	§335.431 (c)	x		
glass	268.2(g)(3)	§335.431 (c)	x		
concrete	268.2(g)(4)	§335.431 (c)	x		
masonry and refractory bricks	268.2(g)(5)	§335.431 (c)	x		
metal cans, containers, drums or tanks	268.2(g)(6)	§335.431 (c)	x		

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
metal nuts, bolts, pipes, pumps, valves, appliances, or industrial equipment	268.2(q)(7)	§335.431 (c)	x		
scrap metal as defined in 40 CFR 261.1(c)(6)	268.2(q)(8)	§335.431 (c)	x		
<u>DILUTION PROHIBITED AS A SUBSTITUTE FOR TREATMENT</u>					
8 begin sentence with "Except as provided in paragraph (b) of this section,"	268.3(a)	§335.431 (c)	x		
new paragraph; permissible forms of dilution related to Sections 307 or 402 of the CWA	268.3(b)	§335.431 (c)	x		
<u>WASTE ANALYSIS AND RECORDKEEPING</u>					
revise section to include more guidance on specifying treat- ment standards	268.7(a)(1)(ii)	§335.431 (c)	x		
revise section to include more guidance on specifying treatment standards	268.7(a)(2)(i)(B)	§335.431 (c)	x		
9 revise section to include more guidance on specifying treat- ment standards	268.7(a)(3)(ii)	§335.431 (c)	x		
replace entire paragraph with new requirements for the development of a waste analysis plan and record- keeping requirements when treating in 262.34 tanks/containers; other requirements:	268.7(a)(4)	§335.431 (c)	x		
what the waste analysis plan must be based on and contain	268.7(a)(4)(i)	§335.431 (c)	x		

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RCRA REVISION CHECKLIST 78: Land Disposal Restrictions for
Third Third Scheduled Wastes (cont'd)

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
requirements for filing of waste analysis plan	268.7(a)(4)(ii)	§335.431 (c)	x		
compliance with 268.7(a)(2) notification requirements for wastes shipped off-site	268.7(a)(4)(iii)	§335.431 (c)	x		
remove subparagraph	268.7(a)(4)(iv)	§335.431 (c)	x		
†, 2 notification for a generator managing a lab pack that contains wastes identified in Appendix IV if use alternate treatment standards under 268.42; 268.7(a)(5)&(6) compliance; certification	268.7(a)(7)	§335.431 (c)	x		
†, 2 notice for a generator managing a lab pack that contains organic wastes specified in Appendix V if use alternate treatment standard under 268.42; 268.7(a)(5)&(6) compliance; certi- fication	268.7(a)(8)	§335.431 (c)	x		
notification and certification requirements for small quantity generators with tolling agreements pursuant to 40 CFR 262.20(e)	268.7(a)(9)	§335.431 (c)	x		

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RCRA REVISION CHECKLIST 78: Land Disposal Restrictions for
Third Third Scheduled Wastes (cont'd)

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
revise section to include more guidance on specifying treat- ment standards	268.7(b)(4)(ii)	§335.431 (c)	x		
insert "impermissible" in front of "dilution" in the certification paragraph	268.7(b)(5)(i)	§335.431 (c)	x		
certification require- ments for wastes with treatment standards expressed as concen- trations in the waste pursuant to 268.43	268.7(b)(5)(iii)	§335.431 (c)	x		
10 remove paragraph 268.7(b)(7) and redesignate 268.7(b)(8) as 268.7(b)(7)	268.7(b)(7)	§335.431 (c)	x		
begin the paragraph with "Except where the owner or operator is disposing of any waste that is a recyclable material used in a manner constituting disposal pursuant to 40 CFR 266.20(b),"	268.7(c)	§335.431 (c)	x		
remove paragraph	268.7(c)(3)	§335.431 (c)	x		
remove paragraph	268.7(c)(4)	§335.431 (c)	x		
<u>LANDFILL AND SURFACE IMPOUNDMENT DISPOSAL RESTRICTIONS</u>					
insert "As of May 8, 1990, this section is no longer in effect" at the end of the paragraph	268.8(a)	§335.431 (c)	x		

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RCRA REVISION CHECKLIST 78: Land Disposal Restrictions for
Third Third Scheduled Wastes (cont'd)

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
<u>SPECIAL RULES REGARDING WASTES THAT EXHIBIT A CHARACTERISTIC</u>					
determination of applicable treatment standards under Subpart D of Part 268 by initial generator of a solid waste; code designation	268.9(a)	§335.431 (c)	x		
the treatment standard for the waste code listed in 40 CFR Part 261, Subpart D will operate for wastes both listed under Subpart D, Part 261 and exhibit a characteristic under Subpart C, Part 261; conditions under which treatment standards for all applicable listed and characteristic waste codes must be met	268.9(b)	§335.431 (c)	x		
no prohibited waste which exhibits a characteristic under 40 CFR Part 261, Subpart C may be land disposed unless waste complies with Part 268, Subpart D treatment standards	268.9(c)	§335.431 (c)	x		
wastes that exhibit a characteristic are subject to all 268.7 requirements unless wastes are no longer hazardous; if not hazardous, notification/ certification sent to EPA Regional Administrator or authorized State	268.9(d)	§335.431 (c)	x		

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RCRA REVISION CHECKLIST 78: Land Disposal Restrictions for
Third Third Scheduled Wastes (cont'd)

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
	268.9(d)(1)	§335.431 (c)	x		
	268.9(d)(1)(i)	§335.431 (c)	x		
	268.9(d)(1)(ii)	§335.431 (c)	x		
information needed with each notification certification signed by authorized representative stating language found in	268.9(d)(1)(iii)	§335.431 (c)	x		
268.7(b)(5)(i)	268.9(d)(2)	§335.431 (c)	x		

SUBPART C - PROHIBITIONS ON LAND DISPOSAL

WASTE SPECIFIC PROHIBITIONS - THIRD THIRD WASTES

effective August 8, 1990, prohibition from land disposal of certain wastes specified in 261.31, 261.32, 261.33(e) and 261.33(f)	268.35(a)	§335.431 (c)	x		
effective November 8, 1990, prohibition from land disposal of certain wastes specified in 261.32	268.35(b)	§335.431 (c)	x		
effective May 8, 1992, prohibition from land disposal of certain wastes specified in 261.31, 261.32, 261.33(e), 261.33(f), certain characteristic wastes, inorganic debris defined in 268.2(a)(7), and RCRA hazardous wastes containing naturally occurring radioactive materials	268.35(c)	§335.431 (c)	x		

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RCRA REVISION CHECKLIST 78: Land Disposal Restrictions for
Third Third Scheduled Wastes (cont'd)

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
effective May 8, 1992, prohibition from land disposal of 268.12 mixed radioactive/ hazardous wastes	268.35(d)	§335.431 (c)	x		
effective May 8, 1992, prohibition from land disposal of wastes specified in 268.35 as having Subpart D, Part 268 treatment standards based on incineration, mercury retorting, or vitrification, and which are contaminated soil or debris	268.35(e)	§335.431 (c)	x		
between May 8, 1990, and August 8, 1990, wastes included in paragraph 268.35(a) may be disposed of in a landfill or surface impoundment only if such unit is in compliance with 268.5(h)(2)	268.35(f)	§335.431 (c)	x		
between May 8, 1990, and November 8, 1990, wastes included in paragraph 268.35(b) may be disposed of in a landfill or surface impoundment only if such unit is in compliance with 268.5(h)(2)	268.35(g)	§335.431 (c)	x		

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RCRA REVISION CHECKLIST 78: Land Disposal Restrictions for
Third Third Scheduled Wastes (cont'd)

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
between May 8, 1990, and May 8, 1992, wastes included in paragraphs 268.35(c), (d) and (e) may be disposed of in a landfill or surface impoundment only if such unit is in compliance with 268.5(h)(2)	268.35(h)	§335.431 (c)	x		
conditions under which requirements of paragraphs 268.35(a), (b), (c) (d) and (e) do not apply	268.35(i)	§335.431 (c)	x		
wastes meet appli- cable 268 Sub- part D standards	268.35(i)(1)	§335.431 (c)	x		
persons granted exemption under 268.6	268.35(i)(2)	§335.431 (c)	x		
wastes meet applicable alternate standards under 268.44	268.35(i)(3)	§335.431 (c)	x		
persons granted extension to the effective date of a prohibition under 268.5	268.35(i)(4)	§335.431 (c)	x		
testing of waste to determine if 268.10, 268.11 and 268.12 wastes exceed applicable treatment standards specified in 268.41 and 268.43; consequences of exceeding standards	268.35(j)	§335.431 (c)	x		

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE

SUBPART D - TREATMENT STANDARDS

APPLICABILITY OF TREATMENT STANDARDS

- 11 revise paragraph
by adding the
exception for
certain wastes that
may be land disposed
if test methods
in Appendix I, Part
268 or Appendix II,
Part 261 methods

are used 268.40(a) §335.431 (c) x

- begin the paragraph
with "Except as
otherwise specified
in §268.43(c),"

268.40(c) §335.431 (c) x

TREATMENT STANDARDS EXPRESSED AS CONCENTRATIONS IN WASTE EXTRACT

- 11 revise paragraph
by adding the
exception for
certain wastes that
Table CCWE identifies
and whose
constituents are
extracted using
test methods
in Appendix I, Part
268 or Appendix II,
Part 261; compliance
based on grab

samples 268.41(a) §335.431 (c) x

- replace Table CCWE
with new table
as shown on pages
22690 through 22692
of this final rule

268.41(a)/
Table CCWE §335.431 (c) x

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
TREATMENT STANDARDS EXPRESSED AS SPECIFIED TECHNOLOGIES					
treatment of wastes identified in 268.42(a)(1)&(2) with technology specified in those sub- paragraphs and in Table 1 of 268.42	268.42(a)	§335.431 (c)	x		
insert "40 CFR" in front of "Part 264" and "Part 265"; remove "or in boilers or industrial furnaces burning in accordance with applicable regulatory standards"	268.42(a)(2)	§335.431 (c)	x		
remove paragraph	268.42(a)(3)	§335.431 (c)	x		
remove paragraph	268.42(a)(4)	§335.431 (c)	x		
add new Table 1 addressing Technology Codes and Description of Technology-Based Standards as shown on pages 22693 and 22694 of this final rule	268.42(a)/Table 1	§335.431 (c)	x		
add new table on Technology-Based Standards by RCRA Waste Code as shown on pages 22694 through 22700 of this final rule	268.42(a)/Table 2	§335.431 (c)	x		
add new table on Technology-Based Standards for Specific Radioactive Hazardous Mixed Waste as shown on page 22700 of this final rule	268.42(a)/Table 3	§335.431 (c)	x		

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RCRA REVISION CHECKLIST 78: Land Disposal Restrictions for
Third Third Scheduled Wastes (cont'd)

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
ALTERNATE TREATMENT STANDARDS FOR LAB PACKS					
conditions for eligibility of lab packs for land disposal:	268.42(c)	§335.431 (c)	x		
compliance of lab packs with applicable provisions of 264.316 and 265.316	268.42(c)(1)	§335.431 (c)	x		
Part 268 Appendix IV and Appendix V hazardous wastes contained in lab packs	268.42(c)(2)	§335.431 (c)	x		
incineration of lab packs in accordance with Part 264, Subpart O and Part 265, Subpart O requirements	268.42(c)(3)	§335.431 (c)	x		
treatment standards for incinerator residues from lab packs containing D004, D005, D006, D007, D008, D010 and D011	268.42(c)(4)	§335.431 (c)	x		

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RCRA REVISION CHECKLIST 78: Land Disposal Restrictions for
Third Third Scheduled Wastes (cont'd)

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE

- 12 radioactive
hazardous mixed
wastes with
Table 3 treatment
standards not
subject to 268.41,
268.43 or Table 2
treatment standards;
radioactive
hazardous mixed
wastes not subject
to Table 3 treatment
standards remain
subject to 268.41,
268.43 and Table 2
treatment standards

268.42(d)

§335.431 (c)

x

TREATMENT STANDARDS EXPRESSED AS WASTE CONCENTRATIONS

replace the last
sentence with
"Compliance with
these concentrations
is required based
upon grab samples,
unless otherwise
noted in the
following Table CCW"

268.43(a)

§335.431 (c)

x

replace Table CCW
with new table
as shown on pages
22701 through 22713

of this final rule

268.43(a)/Table CCW

§335.431 (c)

x

conditions for
demonstrating
compliance with
treatment standards
for organic
constituents
provided:

268.43(c)

§335.431 (c)

x

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RCRA REVISION CHECKLIST 78: Land Disposal Restrictions for
Third Third Scheduled Wastes (cont'd)

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
treatment for organic constituents established based on incineration in units operated in accor- dance with Subpart O requirements of Part 264 or Part 265 or based on combustion in fuel substitution units in accordance with applicable tech- nical requirements	268.43(c)(1)	§335.431 (c)	x		
organic constituents treated using paragraph 268.43(c)(1) methods	268.43(c)(2)	§335.431 (c)	x		
good-faith efforts fail to detect the organic constituents; when such efforts must be demonstrated	268.43(c)(3)	§335.431 (c)	x		

APPENDIX IV TO PART 268

†,

2

ORGANOMETALLIC LAB PACKS

add Appendix IV
as shown on page
22713 of this final
rule

Appendix IV

§335.431 (c)

x

APPENDIX V TO PART 268

†,

2

ORGANIC LAB PACKS

add Appendix V
as shown on pages
22713 and 22714 of
this final rule

Appendix V

§335.431 (c)

x

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RCRA REVISION CHECKLIST 78: Land Disposal Restrictions for
Third Third Scheduled Wastes (cont'd)

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE

APPENDIX VI TO PART 268

RECOMMENDED TECHNOLOGIES TO ACHIEVE DEACTIVATION OF CHARACTERISTICS IN SECTION 268.42

add Appendix VI

as shown on pages

22714 and 22715 of

this final rule

Appendix VI

§335.431 (c)

x

APPENDIX VII TO PART 268

EFFECTIVE DATES OF SURFACE DISPOSED WASTES REGULATED LDRs
(COMPREHENSIVE LIST)

add Appendix VII

as shown on pages

22715 through 22718

of this final rule

Appendix VII

§335.431 (c)

x

APPENDIX VIII TO PART 268

NATIONAL CAPACITY LDR VARIANCES FOR UIC WASTES (COMPREHENSIVE LIST)

add Appendix VIII

as shown on pages

22718 and 22719 of

this final rule

Appendix VIII

§335.431 (c)

x

PART 270 - EPA-ADMINISTERED PERMIT PROGRAMS; THE HAZARDOUS
WASTE PERMIT PROGRAM

SUBPART D - CHANGES TO PERMIT

PERMIT MODIFICATION AT THE REQUEST OF THE PERMITEE

13 CLASSIFICATION OF PERMIT MODIFICATION

redesignate old

B(1)(b) as B(1)(c)

and add new item

involving F039

under General

Facility Standards

270.42,

as shown below

Appendix I

§305.69 (h) Appendix I.B.1.b.

x

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
Modifications		Class			
	*	*	*	*	*
B. General Facility Standards					
1. * * *					
b. To incorporate changes associated					
with F039 (multi-source leachate)					
sampling or analysis methods..... 1					
	*	*	*	*	*

- 1 Unlike the other changes addressed by this checklist, the change to 261.33(c) is not imposed pursuant to HSWA. Thus, this change is placed in non-HSWA Cluster VI.
- 2 This code is part of the optional requirements for the alternate treatment standards for lab packs under the Third Third Scheduled Waste Rule. If adopted, all of the requirements (i.e., 264.316(f), 265.316(f), 268.7(a)(7), 268.7(a)(8), 268.42(c), 268.42(c)(1)-(4), and Appendices IV and V to Part 268) related to these alternate treatment standards must be adopted.
- 3 This is a new subparagraph introduced into the code by Revision Checklist 78. The original subparagraph 268.1(c)(3) was introduced by Revision Checklist 34, modified by Revision Checklist 39, then removed by Revision Checklist 50, with 268.1(c)(4) redesignated as (c)(3). The redesignated subparagraph 268.1(c)(3) was subsequently removed by Revision Checklist 66.
- 4 This paragraph was originally part of 268.2(a) when it was entered into the code by Revision Checklist 34. Revision Checklist 78 renumbered it as 268.2(b) and removed the old 268.2(b) introduced by Revision Checklist 34.
- 5 The definition of land disposal was introduced into the code as part of 268.2(a) by Revision Checklist 34. It was modified by Revision Checklist 39 and designated as 268.2(c) by Revision Checklist 78.
- 6 Note there is a typographical error in the Federal Register notice for Revision Checklist 78 (55 FR 22520, June 1, 1990). The reference to "(g)(6)" should be to "(f)."
- 7 This definition was introduced by Revision Checklist 39 as part of 268.2(a). It was redesignated as 268.2(e) by Revision Checklist 78.
- 8 Paragraph 268.3(a) was originally introduced into the code by Revision Checklist 34 as 268.3, and was then revised by Revision Checklist 39. Revision Checklist 78 revised and redesignated it as 268.3(a).
- 9 Note that on page 22687 of the final rule addressed by this checklist, it appears that 268.7(a)(3)(iii)-(v) were removed. This is an error and these three subparagraphs should remain in the code.
- 10 This paragraph was originally 268.7(b)(8) when it was entered into the code by Revision Checklist 50, but it was redesignated as 268.7(b)(7) by Revision Checklist 78 because the old 278.7(b)(7) and 278.7(b)(7)(i)-(iv) were removed by Revision Checklist 78. Revision Checklist 66 corrected 268.7(b)(8) before it was redesignated by Revision Checklist 78.

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE

- 11 The current text of 268.40(a) and 268.41(a) indicate that an extract or treatment residue of certain wastes may be land disposed only if certain requirements are met using either the test method in Appendix I of Part 268 or the test method in Appendix II of Part 261. Following promulgation of the March 29, 1990 Toxicity Characteristics rule addressed by Revision Checklist 74 (55 FR 11798, as amended at 55 FR 26986), both of these appendices relate to the same test method, the TCLP. Previously, the Part 261 appendix contained the EP Toxicity test procedures while the Part 268 appendix contained the TCLP. EPA will issue a correction to the rule for these particular paragraphs in the near future, clarifying which procedures may be used. Until such time, however, EPA indicates that for the specific waste exceptions listed in these paragraphs the TCLP can be used for measuring compliance with the treatment standards for those specified wastes, and if the extract or treatment residue fails that test, the EP Toxicity test can be used. If the extract or residue passes that less stringent test, then such waste is considered in compliance with the treatment standards. For more information related to the use of either of the two test methods, see the discussion at 55 FR 22660 (June 1, 1990).
- 12 The 55 FR 22520, June 1, 1990, code incorrectly states that a subparagraph 268.42(e) is added. The Federal Register did not contain a 268.42(e); it only added 268.42(d).
- 13 Appendix I was introduced by Revision Checklist 54 as an optional modification to section 270.42. Changes to this appendix addressed by Revision Checklist 78 are relevant only if a State has modified its code to include Appendix I as per Revision Checklist 54.

Incorporation by Reference form 1

RCRA Revision Checklist 78Cluster II

FEDERAL RCRA CITATION	STATE CITATION INCORPORATING BY REFERENCE	EQUIVALENT	STATE ANALOG IS:	
			MORE STRINGENT	BROADER IN SCOPE
261.20 - 261.24	\$361.003(15), \$335.1	x		
261.31, 261.33	\$361,003(15), \$335.1	x		
264.13	\$335.152(a)(1)	x		
264.229	\$335.152(a)(9)	x		
264.256	\$335.152(a)(10)	x		
264.281	\$335.152(a)(11)	x		
264.312(a) and (b)	\$335.152(a)(12)	x		
264.316(f)	\$335.152(a)(12)	x		
265.13	\$335.112(a)(1)	x		
265.229	\$335.112(a)(10)	x		
265.256	\$335.112(a)(11)	x		
265.281	\$335.112(a)(12)	x		
265.312	\$335.112(a)(13)	x		
Part 268 Land Disposal	\$335.431	x		
Restrictions Subpart A				
except 40 CFR,				
\$268.5, B, C, D except				
40 CFR §268.42(b) and				
268.44, E, Appendix I,				
II, III, IV, V, VI,				
VII and VIII				

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RCRA REVISION CHECKLIST 79

Organic Air Emission Standards for
Process Vents and Equipment Leaks55 FR 25454-25519

June 21, 1990

(HWA 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).

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER 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)	§335.2 (j) ✓	x		
add "ASTM Standard Test Method for Heat of Combustion of Hydrocarbon Fuels by Bomb Calorimeter"	260.11(a)	§335.2 (j) ✓	x		
add "ASTM Standard Practices for General Techniques of Ultraviolet-Visible Quantitative Analysis"	260.11(a)	§335.2 (j) ✓	x		
add "ASTM Standard Practices for General Techniques of Infrared Quantitative Analysis"	260.11(a)	§335.2 (j) ✓	x		
add "ASTM Standard Practice for Packed Column Gas Chromatography"	260.11(a)	§335.2 (j) ✓	x		

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

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
add "ASTM Standard Test Method for Aromatics in Light Naphthas and Aviation Gasolines by Gas Chromatography"	260.11(a)	§335.2 (j) ✓	x		
Add "ASTM Standard Test Method for Vapor Pressure- Temperature Relation- ship and Initial Decomposition Temperature of Liquids by Isoteriscope"	260.11(a)	§335.2 (j) ✓	x		
add "APTI Course 415: Control of Gaseous Emissions"	260.11(a)	§335.2 (j) ✓	x		

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)	§361.003 (15), §335.1 ✓	x		
add new paragraph reading "Section 261.6(d) of this chapter."	261.6(c)(2)(iii)	§361.003 (15), §335.1 ✓	x		
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					

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

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE

of Part 264 or 265
if they recycle
hazardous wastes

261.6(d)

§361.003 (15), §335.1 ✓ x

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)

§335.152 (a) (1) ✓ x

GENERAL INSPECTION REQUIREMENTS

add references to
264.1033, 264.1052,
264.1053, and
264.1058

264.15(b)(4)

§335.152 (a) (1) ✓ x

SUBPART E - MANIFEST SYSTEM, RECORDKEEPING, AND REPORTING

OPERATION RECORD

add references to
264.1034 and
264.1063

264.73(b)(3)

§335.152 (a) (4) ✓ x

add references to
264.1034(c)-(f),
264.1035,
264.1063(d)-(i),
and 264.1064

264.73(b)(6)

§335.152 (a) (4) ✓ x

ADDITIONAL REPORTS

add references to
Subparts
AA and BB

264.77(c)

§335.155 (3) ✓ x

SUBPART AA - AIR EMISSION STANDARDS FOR PROCESS VENTS

APPLICABILITY

1 regulations in

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

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
this subpart apply to owners and operators of facilities that treat, store or dispose of hazardous waste except as provided in 264.1	264.1030(a)	§335.152 (a) (15)	x		
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(b)	§335.152 (a) (15)	x		
units subject to the permitting requirements of Part 270	264.1030(b)(1)	§335.152 (a) (15)	x		
hazardous waste recycling units located on hazardous waste management facilities otherwise subject to Part 270 permitting requirements	264.1030(b)(2)	§335.152 (a) (15)	x		
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					

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

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
124.15 or reviewed under 270.50; note included	264.1030(c)	§335.152 (a) (15)	x		
DEFINITIONS					
introductory paragraph	264.1031	§335.152 (a) (15)	x		
"air stripping operation"	264.1031	§335.152 (a) (15)	x		
"bottoms receiver"	264.1031	§335.152 (a) (15)	x		
"closed-vent system"	264.1031	§335.152 (a) (15)	x		
condenser"	264.1031	§335.152 (a) (15)	x		
"connector"	264.1031	§335.152 (a) (15)	x		
"continuous recorder"	264.1031	§335.152 (a) (15)	x		
"control device"	264.1031	§335.152 (a) (15)	x		
"control device shutdown"	264.1031	§335.152 (a) (15)	x		
"distillate receiver"	264.1031	§335.152 (a) (15)	x		
"distillation operation"	264.1031	§335.152 (a) (15)	x		
"double block and bleed system"	264.1031	§335.152 (a) (15)	x		
"equipment"	264.1031	§335.152 (a) (15)	x		
"flame zone"	264.1031	§335.152 (a) (15)	x		
"flow indicator"	264.1031	§335.152 (a) (15)	x		
"first attempt at repair"	264.1031	§335.152 (a) (15)	x		
"fractionation operation"	264.1031	§335.152 (a) (15)	x		
"hazardous waste					

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
management unit shutdown"	264.1031	§335.152 (a) (15)	x		
"hot well"	264.1031	§335.152 (a) (15)	x		
"in gas/vapor service"	264.1031	§335.152 (a) (15)	x		
"in heavy liquid service"	264.1031	§335.152 (a) (15)	x		
"in light liquid service"	264.1031	§335.152 (a) (15)	x		
"in situ sampling systems"	264.1031	§335.152 (a) (15)	x		
"in vacuum service"	264.1031	§335.152 (a) (15)	x		
"malfunction"	264.1031	§335.152 (a) (15)	x		
"open-ended valve or line"	264.1031	§335.152 (a) (15)	x		
"pressure release"	264.1031	§335.152 (a) (15)	x		
"process heater"	264.1031	§335.152 (a) (15)	x		
"process vent"	264.1031	§335.152 (a) (15)	x		
"repaired"	264.1031	§335.152 (a) (15)	x		
"sensor"	264.1031	§335.152 (a) (15)	x		
"separator tank"	264.1031	§335.152 (a) (15)	x		
"solvent extraction operation"	264.1031	§335.152 (a) (15)	x		
"startup"	264.1031	§335.152 (a) (15)	x		
"steam stripping operation"	264.1031	§335.152 (a) (15)	x		
"surge control tank"	264.1031	§335.152 (a) (15)	x		
"thin-film evaporation operation"	264.1031	§335.152 (a) (15)	x		
"vapor incinerator"	264.1031	§335.152 (a) (15)	x		
"vented"	264.1031	§335.152 (a) (15)	x		

STANDARDS: PROCESS VENTS

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
owner or operator of facility with process vents meeting certain conditions shall either:	264.1032(a)	§335.152 (a) (15)	x		
reduce total organic emissions below 1.4 kg/h and 2.8 Mg/yr	264.1032(a)(1)	§335.152 (a) (15)	x		
using control device, reduce total organic emissions by 95 weight percent	264.1032(a)(2)	§335.152 (a) (15)	x		
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)	§335.152 (a) (15)	x		
use of engineering calculations or performance tests (conforming to 264.1034(c) requirements) may be used for determi- nating 1) vent emissions and emission reductions or 2) total organic compound concen- trations achieved by add-on control devices	264.1032(c)	§335.152 (a) (15)	x		
use of 264.1034(c) procedures to resolve disagreements between owner or operator and Regional Administrator on vent determinations	264.1032(d)	§335.152 (a) (15)	x		

STANDARDS: CLOSED-VENT SYSTEMS AND CONTROL DEVICES

compliance with
provisions of
264.1033 by
owners or operators
of closed-vent

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
systems and control devices used to comply with provisions of Part 264	264.1033(a)(1)	§335.152 (a) (15)	x		
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)	§335.152 (a) (15)	x		
specification of efficiency standards for control device involving vapor recovery unless 264.1032(a)(1) emission limits can be attained	264.1033(b)	§335.152 (a) (15)	x		
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)	§335.152 (a) (15)	x		
	264.1033(d)(1)	§335.152 (a) (15)	x		
	264.1033(d)(2)	§335.152 (a) (15)	x		
	264.1033(d)(3)	§335.152 (a) (15)	x		
	264.1033(d)(4)(i)	§335.152 (a) (15)	x		
	264.1033(d)(4)(ii)	§335.152 (a) (15)	x		

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
specifications for the design and operation of a flare	264.1033(d)(4)(iii)	§335.152 (a) (15)	x		
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(d)(5)	§335.152 (a) (15)	x		
calculation of net heating value of gas being combusted in a flare using specified equation	264.1033(d)(6)	§335.152 (a) (15)	x		
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)(1)	§335.152 (a) (15)	x		
determination of maximum allowed velocity for a flare complying with 264.1033(d)(4)(iii)	264.1033(e)(2)	§335.152 (a) (15)	x		
determination of maximum allowed velocity for an air-assisted flare	264.1033(e)(3)	§335.152 (a) (15)	x		
monitoring and inspection of control device by owner and operator to ensure compliance with 264.1033 by implementing specified requirements:	264.1033(e)(4)	§335.152 (a) (15)	x		
installation, cali-	264.1033(e)(5)	§335.152 (a) (15)	x		
	264.1033(f)	§335.152 (a) (15)	x		

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
bration, maintenance, and operation of a flow indicator; where sensor shall be installed	264.1033(f)(1)	§335.152 (a) (15)	x		
specifications for installation, cali- bration, maintenance, and operation of a device to continuously monitor control device operation:	264.1033(f)(2)	§335.152 (a) (15)	x		
temperature monitor- ing device with a continuous recorder for a thermal vapor incinerator	264.1033(f)(2)(i)	§335.152 (a) (15)	x		
temperature monitor- ing device with a continuous recorder for a catalytic vapor incinerator	264.1033(f)(2)(ii)	§335.152 (a) (15)	x		
heat sensing monitor- ing device with a continuous recorder for a flare	264.1033(f)(2)(iii)	§335.152 (a) (15)	x		
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)	§335.152 (a) (15)	x		
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)	§335.152 (a) (15)	x		
for a condenser, either:	264.1033(f)(2)(vi)	§335.152 (a) (15)	x		
monitoring device with a continuous recorder to					

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
measure concen- tration level of the organic compounds in the exhaust vent stream from the condenser	264.1033(f)(2)(vi)(A)	§335.152 (a) (15)	x		
temperature monitor- ing device with a continuous recorder; specifications	264.1033(f)(2)(vi)(B)	§335.152 (a) (15)	x		
for a carbon adsorption system, either:	264.1033(f)(2)(vii)	§335.152 (a) (15)	x		
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)	§335.152 (a) (15)	x		
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)	§335.152 (a) (15)	x		
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)	§335.152 (a) (15)	x		
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)	§335.152 (a) (15)	x		

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
replacement of carbon on a regular basis by owner or operator using a carbon canister	264.1033(h)	§335.152 (a) (15)	x		
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)	§335.152 (a) (15)	x		
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)	§335.152 (a) (15)	x		
alternative operational or process parameter may be monitored if specific demonstra- tion can be made	264.1033(i)	§335.152 (a) (15)	x		
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)	§335.152 (a) (15)	x		
design and operational requirements for					

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
closed-vent systems based on 264.1034(b) methods	264.1033(k)(1)	§335.152 (a) (15)	x		
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)	§335.152 (a) (15)	x		
control of detectable emissions no later than 15 calendar days after emission is detected	264.1033(k)(3)	§335.152 (a) (15)	x		
first attempt at repair no later than 5 calendar days after emission is detected	264.1033(k)(4)	§335.152 (a) (15)	x		
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	264.1033(l)	§335.152 (a) (15)	x		
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)	§335.152 (a) (15)	x		
when testing a closed-vent system for compliance with 264.1033(k) requirements, comply with following					

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
test requirements:	264.1034(b)	§335.152 (a) (15)	x		
monitoring in compliance with Reference Method 21 in 40 CFR Part 60	264.1034(b)(1)	§335.152 (a) (15)	x		
detection instrument shall meet the performance criteria of Reference Method 21	264.1034(b)(2)	§335.152 (a) (15)	x		
calibration of instrument by procedures specified in Reference Method 21	264.1034(b)(3)	§335.152 (a) (15)	x		
calibration gases shall be:	264.1034(b)(4)	§335.152 (a) (15)	x		
zero air	264.1034(b)(4)(i)	§335.152 (a) (15)	x		
mixture of methane or n-hexane and air at specified concentration	264.1034(b)(4)(ii)	§335.152 (a) (15)	x		
background level determined as set forth in Reference Method 21	264.1034(b)(5)	§335.152 (a) (15)	x		
instrument probe traverse requirements as described in Reference Method 21	264.1034(b)(6)	§335.152 (a) (15)	x		
arithmetic difference compared with 500 ppm for compliance determination	264.1034(b)(7)	§335.152 (a) (15)	x		
performance test requirements to determine compliance with 264.1032(a) and 264.1033(c)	264.1034(c)	§335.152 (a) (15)	x		
reference methods and calculation procedures to use when determining total organic					

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
compound concentrations and mass flow rates	264.1034(c)(1)	§335.152 (a) (15)	x		
Method 2 in 40 CFR Part 60 for velocity and volumetric flow rate	264.1034(c)(1)(i)	§335.152 (a) (15)	x		
Method 18 in 40 CFR Part 60 for organic content	264.1034(c)(1)(ii)	§335.152 (a) (15)	x		
performance tests in three separate runs; conditions for conducting runs; averaging results on a time-weighted basis	264.1034(c)(1)(iii)	§335.152 (a) (15)	x		
equation for determining total organic mass flow rates	264.1034(c)(1)(iv)	§335.152 (a) (15)	x		
equation for determining annual total organic emission rate	264.1034(c)(1)(v)	§335.152 (a) (15)	x		
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)	§335.152 (a) (15)	x		
recording of process information necessary to determine performance test conditions; certain operational periods not applicable	264.1034(c)(2)	§335.152 (a) (15)	x		
performance testing facilities provided by owner or operator	264.1034(c)(3)	§335.152 (a) (15)	x		
sampling ports adequate for 264.1034(c)(1) test methods	264.1034(c)(3)(i)	§335.152 (a) (15)	x		
safe sampling					

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
platform(s)	264.1034(c)(3)(ii)	§335.152 (a) (15)	x		
safe access to					
sampling platform(s)	264.1034(c)(3)(iii)	§335.152 (a) (15)	x		
utilities for sampling					
and testing equipment	264.1034(c)(3)(iv)	§335.152 (a) (15)	x		
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	264.1034(c)(4)	§335.152 (a) (15)	x		
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)	§335.152 (a) (15)	x		
direct measurement					
using the following					
procedures:	264.1034(d)(1)	§335.152 (a) (15)	x		
minimum of four					
grab samples under					
specified process					
conditions	264.1034(d)(1)(i)	§335.152 (a) (15)	x		
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)	§335.152 (a) (15)	x		
sample analysis					

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
using Method 9060 or 8240 of SW-846	264.1034(d)(1)(iii)	§335.152 (a) (15)	x		
calculation of time-weighted, annual average total organic concentration of waste	264.1034(d)(1)(iv)	§335.152 (a) (15)	x		
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	264.1034(d)(2)	§335.152 (a) (15)	x		
guidelines for the determination that hazardous wastes are managed with time-weighted, annual average total organic concentrations less than 10 ppmw	264.1034(e)	§335.152 (a) (15)	x		
	264.1034(e)(1)	§335.152 (a) (15)	x		
	264.1034(e)(2)	§335.152 (a) (15)	x		
	264.1034(e)(3)	§335.152 (a) (15)	x		
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)	§335.152 (a) (15)	x		
RECORDKEEPING REQUIREMENTS					
compliance with recordkeeping requirements	264.1035(a)(1)	§335.152 (a) (15)	x		
recordkeeping requirements for more than one hazardous waste management unit in one recordkeeping					

FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
		EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
em	264.1035(a)(2)	§335.152 (a) (15)	x	
rmation that must ecorded in the lity operating				
rd	264.1035(b)	§335.152 (a) (15)	x	
264.1033(a)(2)- lying facilities, mplementation odule that udes specified s and rationale; usion in operating rd by effective the facility mes subject to art AA provisions	264.1035(b)(1)	§335.152 (a) (15)	x	
o-date documen- on of 264.1032				
dards	264.1035(b)(2)	§335.152 (a) (15)	x	
rmation and identifying ted process specific rmation for vent	264.1035(b)(2)(i)	§335.152 (a) (15)	x	
rmation and data orting determina- is of vent sions and sion reductions; determination ired if any action n increases total sions	264.1035(b)(2)(ii)	§335.152 (a) (15)	x	
rformance test for owners or ators using data				
determination	264.1035(b)(3)	§335.152 (a) (15)	x	
scription of the mination that a ned test will be ucted when unit erating at the est load or city level	264.1035(b)(3)(i)	§335.152 (a) (15)	x	

FEDERAL RCRA REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
	264.1035(b)(3)(ii)	§335.152 (a) (15)	x		
	264.1035(b)(3)(ii)(A)	§335.152 (a) (15)	x		
	264.1035(b)(3)(ii)(B)	§335.152 (a) (15)	x		
	264.1035(b)(3)(ii)(C)	§335.152 (a) (15)	x		
Detailed engineering description of closed-vent system and control device	264.1035(b)(3)(ii)(D)	§335.152 (a) (15)	x		
Detailed description of sampling and monitor- ing procedures	264.1035(b)(3)(ii)(E)	§335.152 (a) (15)	x		
Documentation of compliance with 264.1033	264.1035(b)(3)(iii)	§335.152 (a) (15)	x		
Information references and sources	264.1035(b)(4)	§335.152 (a) (15)	x		
Records including the dates of each performance test and	264.1035(b)(4)(i)	§335.152 (a) (15)	x		
264.1033(k)	264.1035(b)(4)(ii)	§335.152 (a) (15)	x		
Engineering calculations are used, a design analysis and other documents that represent basic control device design information; design analysis addresses inlet stream characteristics and control device operation					
Parameters	264.1035(b)(4)(iii)	§335.152 (a) (15)	x		
Design analysis requirements for a thermal vapor incinerator	264.1035(b)(4)(iii)(A)	§335.152 (a) (15)	x		
Design analysis requirements for a catalytic vapor incinerator	264.1035(b)(4)(iii)(B)	§335.152 (a) (15)	x		
Design analysis					

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
requirements for a boiler or process heater	264.1035(b)(4)(iii)(C)	§335.152 (a) (15)	x		
design analysis requirements for a flare	264.1035(b)(4)(iii)(D)	§335.152 (a) (15)	x		
design analysis requirements for a condenser	264.1035(b)(4)(iii)(E)	§335.152 (a) (15)	x		
design analysis requirements for carbon adsorption system that regenerates the carbon bed directly onsite	264.1035(b)(4)(iii)(F)	§335.152 (a) (15)	x		
design analysis requirements for a carbon adsorption system that does not regenerate the carbon bed directly onsite	264.1035(b)(4)(iii)(G)	§335.152 (a) (15)	x		
certification state- ment signed and dated by owner or operator regarding operating parameters	264.1035(b)(4)(iv)	§335.152 (a) (15)	x		
certification state- ment signed and dated by owner or operator regarding control equipment meeting design specifications	264.1035(b)(4)(v)	§335.152 (a) (15)	x		
all test results when performance tests are used to demonstrate compliance	264.1035(b)(4)(vi)	§335.152 (a) (15)	x		
information to be recorded and kept up-to-date in the facility operating record for each closed-vent system and control device					

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Process Vents and Equipment Leaks (cont'd)

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
Subject to the Part 4 regulations	264.1035(c)	§335.152 (a) (15)	x		
Description and date each					
Identification	264.1035(c)(1)	§335.152 (a) (15)	x		
Identification of operating parameter, description of monitoring device and location diagram for compliance with 264.1033(f)(1) and (2)	264.1035(c)(2)	§335.152 (a) (15)	x		
Information required ✓ 264.1033(f)-(k)	264.1035(c)(3)	§335.152 (a) (15)	x		
Date, time and duration of each period that occurs while control device is operating any monitored parameter exceeds the value established in the design analysis	264.1035(c)(4)	§335.152 (a) (15)	x		
When combustion temperature is below 60°C for a	264.1035(c)(4)(i)	§335.152 (a) (15)	x		
thermal vapor incinerator	264.1035(c)(4)(ii)	§335.152 (a) (15)	x		
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	264.1035(c)(4)(iii) 264.1035(c)(4)(iii)(A) 264.1035(c)(4)(iii)(B)	§335.152 (a) (15) §335.152 (a) (15) §335.152 (a) (15)	x x x		
boiler or process heater	264.1035(c)(4)(iv)	§335.152 (a) (15)	x		
flame zone temperature is more					

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
than 28 ⁰ C below design average temperature	264.1035(c)(4)(iv)(A)	§335.152 (a) (15)	x		
position changes	264.1035(c)(4)(iv)(B)	§335.152 (a) (15)	x		
period when the pilot flame is not ignited for a flare	264.1035(c)(4)(v)	§335.152 (a) (15)	x		
period when organic compounds are more than 20 percent greater than the design level for a condenser	264.1035(c)(4)(vi)	§335.152 (a) (15)	x		
condenser that complies with 264.1033(f)(2)(vi)(B)	264.1035(c)(4)(vii)	§335.152 (a) (15)	x		
temperature of exhaust vent stream is more than 6 ⁰ C above design range temperature	264.1035(c)(4)(vii)(A)	§335.152 (a) (15)	x		
temperature of exiting coolant fluid is more than 6 ⁰ C above design average temperature	264.1035(c)(4)(vii)(B)	§335.152 (a) (15)	x		
period when organic compounds are more than 20 percent greater than the design level for a carbon adsorption system	264.1035(c)(4)(viii)	§335.152 (a) (15)	x		
period when vent stream flow exceeds predetermined regeneration time for a carbon adsorption system	264.1035(c)(4)(ix)	§335.152 (a) (15)	x		
explanation for each period under 264.1035(c)(4) of the cause for parameters being exceeded and measures implemented	264.1035(c)(5)	§335.152 (a) (15)	x		

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Process Vents and Equipment Leaks (cont'd)

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
date when existing carbon is replaced	264.1035(c)(6)	§335.152 (a) (15)	x		
	264.1035(c)(7)	§335.152 (a) (15)	x		
	264.1035(c)(7)(i)	§335.152 (a) (15)	x		
log to record specific dates	264.1035(c)(7)(ii)	§335.152 (a) (15)	x		
date of each control device startup and shutdown	264.1035(c)(8)	§335.152 (a) (15)	x		
records required by paragraphs 264.1035(c)(3)-(c)(8) need be kept only 3 years	264.1035(d)	§335.152 (a) (15)	x		
specification of recordkeeping requirements for certain control devices by Regional Administrator	264.1035(e)	§335.152 (a) (15)	x		
logging of information used to determine if process vent is subject to 264.1032 and 264.1032(d)(2)	264.1035(f)	§335.152 (a) (15)	x		
REPORTING REQUIREMENTS					
semiannual report submitted by date specified by Regional Adminis- trator; information the report must contain:	264.1036(a)	§335.152 (a) (15)	x		
EPA ID number, name and address of facility	264.1036(a)(1)	§335.152 (a) (15)	x		
dates when design specifications are exceeded, duration and cause, and corrective measures taken	264.1036(a)(2)	§335.152 (a) (15)	x		
exception to reporting require-					

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Process Vents and Equipment Leaks (cont'd)

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
ments specified in 264.1036(a)	264.1036(b)	§335.152 (a) (15)	x		
reserved	264.1037 - 264.1049	§335.152 (a) (15)	x		

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
weight that are
managed in units or
facilities subject to
Part 270 permitting
requirements

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

equipment subject
to Subpart BB, Part
264 shall be marked
equipment in vacuum
service excluded
from requirements of

264.1050(a)

§335.152 (a) (16)

x

264.1050(b)

§335.152 (a) (16)

x

264.1050(b)(1)

§335.152 (a) (16)

x

264.1050(b)(2)

§335.152 (a) (16)

x

264.1050(c)

§335.152 (a) (16)

x

264.1050(d)

§335.152 (a) (16)

x

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Process Vents and Equipment Leaks (cont'd)

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
264.1052 to 264.1060 if identified as required in 264.1064(g)(5)	264.1050(e)	§335.152 (a) (16)	x		
DEFINITIONS					
all terms have meaning given them in 264.1031, the Act, and Parts 260-266	264.1051	§335.152 (a) (16)	x		
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)	§335.152 (a) (16)	x		
visual inspection each calendar week	264.1052(a)(2)	§335.152 (a) (16)	x		
conditions indicating a leak is detected	264.1052(b)(1) 264.1052(b)(2)	§335.152 (a) (16) §335.152 (a) (16)	x x		
time frame for leak repair, except as provided in 264.1059	264.1052(c)(1)	§335.152 (a) (16)	x		
first attempt at leak repair not to exceed 5 calendar days after leak detection	264.1052(c)(2)	§335.152 (a) (16)	x		
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)	§335.152 (a) (16)	x		
	264.1052(d)(1)	§335.152 (a) (16)	x		
operational and	264.1052(d)(1)(i)	§335.152 (a) (16)	x		

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
equipment					
requirements for a	264.1052(d)(1)(ii)	§335.152 (a) (16)	x		
dual mechanical					
seal system	264.1052(d)(1)(iii)	§335.152 (a) (16)	x		
organic concentra-					
tion limitation					
for barrier					
fluid system	264.1052(d)(2)	§335.152 (a) (16)	x		
sensor requirement	264.1052(d)(3)	§335.152 (a) (16)	x		
weekly visual check					
of pump	264.1052(d)(4)	§335.152 (a) (16)	x		
daily check of					
barrier fluid					
system sensor					
or monthly check					
of audible alarm	264.1052(d)(5)(i)	§335.152 (a) (16)	x		
determination of					
criterion to indicate					
failure of systems	264.1052(d)(5)(ii)	§335.152 (a) (16)	x		
leak detection					
criteria	264.1052(d)(6)(i)	§335.152 (a) (16)	x		
repair of leak					
not to exceed					
15 calendar days,					
except as provided					
in 264.1059	264.1052(d)(6)(ii)	§335.152 (a) (16)	x		
first attempt at					
leak repair not					
to exceed 5					
calendar days					
after leak detection	264.1052(d)(6)(iii)	§335.152 (a) (16)	x		
conditions under	264.1052(e)	§335.152 (a) (16)	x		
which pump					
designated for no	264.1052(e)(1)	§335.152 (a) (16)	x		
detectable emissions					
is exempt from	264.1052(e)(2)	§335.152 (a) (16)	x		
264.1052(a), (c)					
and (d) requirements	264.1052(e)(3)	§335.152 (a) (16)	x		
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)	§335.152 (a) (16)	x		

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
STANDARDS: COMPRESSORS					
seal system requirement for compressor, except as provided in 264.1053(h) and (i)	264.1053(a)	§335.152 (a) (16)	x		
	264.1053(b)	§335.152 (a) (16)	x		
	264.1053(b)(1)	§335.152 (a) (16)	x		
specifications for compressor seal system	264.1053(b)(2)	§335.152 (a) (16)	x		
organic concentration limitation for barrier fluid sensor requirement	264.1053(b)(3)	§335.152 (a) (16)	x		
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(c)	§335.152 (a) (16)	x		
determination of criterion to indicate failure of systems leak detection criteria	264.1053(d)	§335.152 (a) (16)	x		
repair of leak not to exceed 15 calendar days, except as provided in 264.1059	264.1053(e)(1)	§335.152 (a) (16)	x		
first attempt at leak repair not to exceed 5 calendar days after leak detection	264.1053(e)(2)	§335.152 (a) (16)	x		
compressor equipped with closed-vent system and control	264.1053(f)	§335.152 (a) (16)	x		
	264.1053(g)(1)	§335.152 (a) (16)	x		
	264.1053(g)(2)	§335.152 (a) (16)	x		

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
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)	§335.152 (a) (16)	x		
conditions under which compressor designated for no detectable emissions is exempt from 264.1053(a) through (h) requirements	264.1053(i)	§335.152 (a) (16)	x		
	264.1053(i)(1)	§335.152 (a) (16)	x		
	264.1053(i)(2)	§335.152 (a) (16)	x		

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)	§335.152 (a) (16)	x		
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)	§335.152 (a) (16)	x		
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)	§335.152 (a) (16)	x		
pressure relief device equipped with closed-vent system and control device in compliance with 264.1060 is exempt					

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
from 264.1054(a) and (b)	264.1054(c)	§335.152 (a) (16)	x		
<u>STANDARDS: SAMPLING CONNECTING SYSTEMS</u>					
sampling connecting system equipped with closed purge or closed-vent system	264.1055(a)	§335.152 (a) (16)	x		
	264.1055(b)	§335.152 (a) (16)	x		
return, collect and recycle purged waste with no detectable emissions; control device in compliance with 264.1060	264.1055(b)(1)	§335.152 (a) (16)	x		
	264.1055(b)(2)	§335.152 (a) (16)	x		
	264.1055(b)(3)	§335.152 (a) (16)	x		
in situ sampling systems exempt from 264.1055(a) and (b) requirements	264.1055(c)	§335.152 (a) (16)	x		
<u>STANDARDS: OPEN-ENDED VALVES OR LINES</u>					
each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve	264.1056(a)(1)	§335.152 (a) (16)	x		
requirement to seal open end at all times except during specified operations	264.1056(a)(2)	§335.152 (a) (16)	x		
operational require- ments for open-ended valve or line equipped with a second valve	264.1056(b)	§335.152 (a) (16)	x		
requirements for bleed valve or line when a double block and bleed system is used; compliance with 264.1056(a)	264.1056(c)	§335.152 (a) (16)	x		
<u>STANDARDS: VALVES IN GAS/VAPOR SERVICE OR IN LIGHT LIQUID SERVICE</u>					
monthly monitoring					

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Process Vents and Equipment Leaks (cont'd)

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
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)	§335.152 (a) (16)	x		
instrument reading of 10,000 ppm or greater indicates leak	264.1057(b)	§335.152 (a) (16)	x		
monitoring requirements if leak not detected for two successive months	264.1057(c)(1)	§335.152 (a) (16)	x		
monthly monitoring requirement if leak detected	264.1057(c)(2)	§335.152 (a) (16)	x		
repair of leak not to exceed 15 calendar days, except as provided in 264.1059	264.1057(d)(1)	§335.152 (a) (16)	x		
first attempt at leak repair not to exceed 5 calendar days after leak detection	264.1057(d)(2)	§335.152 (a) (16)	x		
	264.1057(e)	§335.152 (a) (16)	x		
	264.1057(e)(1)	§335.152 (a) (16)	x		
	264.1057(e)(2)	§335.152 (a) (16)	x		
best practices to include in first attempt at repair	264.1057(e)(3)	§335.152 (a) (16)	x		
valve designated for no detectable emissions under 264.1064(g)(2) is exempt from 264.1057(a)	264.1057(e)(4)	§335.152 (a) (16)	x		
	264.1057(f)	§335.152 (a) (16)	x		
	264.1057(f)(1)	§335.152 (a) (16)	x		

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Process Vents and Equipment Leaks (cont'd)

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
requirements if specified	264.1057(f)(2)	§335.152 (a) (16)	x		
conditions are met	264.1057(f)(3)	§335.152 (a) (16)	x		
conditions under which an unsafe-to-monitor valve as described in 264.1064(h)(1) is exempt from	264.1057(g)	§335.152 (a) (16)	x		
264.1057(a) requirements	264.1057(g)(1)	§335.152 (a) (16)	x		
	264.1057(g)(2)	§335.152 (a) (16)	x		
conditions under which a difficult-to-monitor valve as described in 264.1064(h)(2) is exempt from	264.1057(h)	§335.152 (a) (16)	x		
264.1057(a) requirements	264.1057(h)(1)	§335.152 (a) (16)	x		
	264.1057(h)(2)	§335.152 (a) (16)	x		
	264.1057(h)(3)	§335.152 (a) (16)	x		
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)	§335.152 (a) (16)	x		
reading of 10,000 ppm or greater indicates leak	264.1058(b)	§335.152 (a) (16)	x		
repair of leak not to exceed 15 calendar days, except as provided in 264.1059	264.1058(c)(1)	§335.152 (a) (16)	x		
first attempt at leak repair not to exceed 5 calendar days after leak detection	264.1058(c)(2)	§335.152 (a) (16)	x		

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Process Vents and Equipment Leaks (cont'd)

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
first attempt at repair includes best practices described under 264.1057(e)	264.1058(d)	§335.152 (a) (16)	x		
<u>STANDARDS: DELAY OF REPAIR</u>					
requirements for the delay of repair of equipment for which leaks have been detected	264.1059(a)	§335.152 (a) (16)	x		
type of equipment for which delay of repair allowed	264.1059(b)	§335.152 (a) (16)	x		
	264.1059(c)	§335.152 (a) (16)	x		
conditions under which delay of repair of valves allowed	264.1059(c)(1)	§335.152 (a) (16)	x		
	264.1059(c)(2)	§335.152 (a) (16)	x		
	264.1059(d)	§335.152 (a) (16)	x		
conditions under which delay of repair of pumps allowed	264.1059(d)(1)	§335.152 (a) (16)	x		
	264.1059(d)(2)	§335.152 (a) (16)	x		
conditions for delay of repair beyond a hazardous waste management unit shutdown	264.1059(e)	§335.152 (a) (16)	x		
<u>STANDARDS: CLOSED-VENT SYSTEMS AND CONTROL DEVICES</u>					
owners or operators of closed-vent systems and control devices shall comply with 264.1033 provisions	264.1060	§335.152 (a) (16)	x		

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

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Process Vents and Equipment Leaks (cont'd)

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
operator subject to 264.1057 requirements	264.1061(a)	§335.152 (a) (16)	x		
notification,	264.1061(b)	§335.152 (a) (16)	x		
performance test,	264.1061(b)(1)	§335.152 (a) (16)	x		
and repair	264.1061(b)(2)	§335.152 (a) (16)	x		
requirements if	264.1061(b)(3)	§335.152 (a) (16)	x		
an owner or operator	264.1061(c)	§335.152 (a) (16)	x		
decides to comply with	264.1061(c)(1)	§335.152 (a) (16)	x		
alternative standard	264.1061(c)(2)	§335.152 (a) (16)	x		
monitoring	264.1061(c)(3)	§335.152 (a) (16)	x		
standards, leak					
detection criterion	264.1061(c)(1)	§335.152 (a) (16)	x		
and determination of	264.1061(c)(2)	§335.152 (a) (16)	x		
leak percentage	264.1061(c)(3)	§335.152 (a) (16)	x		
when conducting					
performance tests	264.1061(d)	§335.152 (a) (16)	x		
written notification to Regional Administrator of intent to follow 264.1057(a)-(e) work practice standard if owner or operator decides to no longer comply with 264.1061					

ALTERNATIVE STANDARDS FOR VALVES IN GAS/VAPOR SERVICE OR IN LIGHT LIQUID SERVICE: 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)	§335.152 (a) (16)	x		
notification of Regional Administrator before implementing alternative work practice	264.1062(a)(2)	§335.152 (a) (16)	x		
compliance with 264.1057 requirements, except as described in 264.1062(b)(2)					

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Process Vents and Equipment Leaks (cont'd)

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
and (b)(3) 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)(1)	§335.152 (a) (16)	x		
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)(2)	§335.152 (a) (16)	x		
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)(3)	§335.152 (a) (16)	x		
compliance with test methods and proced- ure requirements by owner or operator subject to provisions of Subpart BB leak detection monitoring as required in 264.1052-264.1062 shall comply with specified requirements: monitoring in	264.1062(b)(4)	§335.152 (a) (16)	x		
TEST METHODS AND PROCEDURES					
compliance with test methods and proced- ure requirements by owner or operator subject to provisions of Subpart BB leak detection monitoring as required in 264.1052-264.1062 shall comply with specified requirements: monitoring in	264.1063(a)	§335.152 (a) (16)	x		
compliance with test methods and proced- ure requirements by owner or operator subject to provisions of Subpart BB leak detection monitoring as required in 264.1052-264.1062 shall comply with specified requirements: monitoring in	264.1063(b)	§335.152 (a) (16)	x		

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Process Vents and Equipment Leaks (cont'd)

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
compliance with Reference Method 21 in 40 CFR Part 60	264.1063(b)(1)	§335.152 (a) (16)	x		
detection instrument shall meet the performance criteria of Reference Method 21	264.1063(b)(2)	§335.152 (a) (16)	x		
calibration of instru- ment by procedures specified in Reference Method 21	264.1063(b)(3)	§335.152 (a) (16)	x		
calibration gases shall be:	264.1063(b)(4)	§335.152 (a) (16)	x		
zero air	264.1063(b)(4)(i)	§335.152 (a) (16)	x		
mixture of methane or n-hexane and air at specified concentration	264.1063(b)(4)(ii)	§335.152 (a) (16)	x		
instrument probe traverse requirements as described in Reference Method 21	264.1063(b)(5)	§335.152 (a) (16)	x		
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)	§335.152 (a) (16) §335.152 (a) (16) §335.152 (a) (16) §335.152 (a) (16) §335.152 (a) (16)	x x x x x		
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)	§335.152 (a) (16)	x		

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

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
methods described in ASTM Methods D 2267-88, E 169-87, E 168-88 and E 260-85	264.1063(d)(1)	§335.152 (a) (16)	x		
Method 9060 or 8240 of SW-846	264.1063(d)(2)	§335.152 (a) (16)	x		
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)	§335.152 (a) (16)	x		
determination as specified in 264.1063(d) can be revised only after following 264.1063(d)(1) or (d)(2) procedures	264.1063(e)	§335.152 (a) (16)	x		
use of 264.1063(d)(1) or (d)(2) to resolve determination disputes between owner or operator and Regional Administrator	264.1063(f)	§335.152 (a) (16)	x		
samples used for determination representative of highest expected total organic content hazardous waste	264.1063(g)	§335.152 (a) (16)	x		
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					

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
ASTM D-2879-86	264.1063(h)	§335.152 (a) (16)	x		
performance tests for control device shall comply with 264.1034(c)(1) through (c)(4) procedures	264.1063(i)	§335.152 (a) (16)	x		
<u>RECORDKEEPING REQUIREMENTS</u>					
compliance with recordkeeping requirements	264.1064(a)(1)	§335.152 (a) (16)	x		
recordkeeping requirements for more than one hazardous waste management unit in one recordkeeping system	264.1064(a)(2)	§335.152 (a) (16)	x		
	264.1064(b)	§335.152 (a) (16)	x		
	264.1064(b)(1)	§335.152 (a) (16)	x		
	264.1064(b)(1)(i)	§335.152 (a) (16)	x		
	264.1064(b)(1)(ii)	§335.152 (a) (16)	x		
	264.1064(b)(1)(iii)	§335.152 (a) (16)	x		
specific information that owners and operators must record in the facility operating record	264.1064(b)(1)(iv)	§335.152 (a) (16)	x		
	264.1064(b)(1)(v)	§335.152 (a) (16)	x		
	264.1064(b)(1)(vi)	§335.152 (a) (16)	x		
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)	§335.152 (a) (16)	x		
performance test plan as specified in 264.1035(b)(3)					

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
if test data are used for control device demonstration	264.1064(b)(3)	§335.152 (a) (16)	x		
documentation of compliance with 264.1060, including documentation or results specified in 264.1035(b)(4)	264.1064(b)(4)	§335.152 (a) (16)	x		
information require- ments when each leak is detected as specified in 264.1052, 264.1053, 264.1057 and 264.1058	264.1064(c)	§335.152 (a) (16)	x		
	264.1064(c)(1)	§335.152 (a) (16)	x		
	264.1064(c)(2)	§335.152 (a) (16)	x		
	264.1064(c)(3)	§335.152 (a) (16)	x		
	264.1064(d)	§335.152 (a) (16)	x		
	264.1064(d)(1)	§335.152 (a) (16)	x		
	264.1064(d)(2)	§335.152 (a) (16)	x		
	264.1064(d)(3)	§335.152 (a) (16)	x		
	264.1064(d)(4)	§335.152 (a) (16)	x		
	264.1064(d)(5)	§335.152 (a) (16)	x		
	264.1064(d)(6)	§335.152 (a) (16)	x		
inspection log information require- ments when each leak is detected as specified in 264.1052, 264.1053, 264.1057 and 264.1058	264.1064(d)(7)	§335.152 (a) (16)	x		
	264.1064(d)(8)	§335.152 (a) (16)	x		
	264.1064(d)(9)	§335.152 (a) (16)	x		
	264.1064(d)(10)	§335.152 (a) (16)	x		
for each closed-vent system and control device subject to 264.1060, design documentation and monitoring, operating and					

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
inspection informa- tion recorded in facility operating record as specified in 264.1035(c)	264.1064(e)	§335.152 (a) (16)	x		
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)	§335.152 (a) (16)	x		
	264.1064(g)	§335.152 (a) (16)	x		
	264.1064(g)(1)	§335.152 (a) (16)	x		
	264.1064(g)(2)(i)	§335.152 (a) (16)	x		
	264.1064(g)(2)(ii)	§335.152 (a) (16)	x		
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)	§335.152 (a) (16)	x		
	264.1064(g)(4)(i)	§335.152 (a) (16)	x		
	264.1064(g)(4)(ii)	§335.152 (a) (16)	x		
	264.1064(g)(4)(iii)	§335.152 (a) (16)	x		
	264.1064(g)(5)	§335.152 (a) (16)	x		
information requirements for valves subject to the requirements of 264.1057(g) and (h)	264.1064(h)	§335.152 (a) (16)	x		
	264.1064(h)(1)	§335.152 (a) (16)	x		
	264.1064(h)(2)	§335.152 (a) (16)	x		
	264.1064(i)	§335.152 (a) (16)	x		
information requirements for valves complying	264.1064(i)(1)	§335.152 (a) (16)	x		

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
with 264.1062 additional information requirements	264.1064(i)(2) 264.1064(j)	§335.152 (a) (16) §335.152 (a) (16)	x x		
criteria required in 264.1052(d)(5)(ii) and 264.1053(e)(2) and an explanation of the design criteria	264.1064(j)(1)	§335.152 (a) (16)	x		
any changes to the criteria and the reasons for the changes	264.1064(j)(2)	§335.152 (a) (16)	x		
information require- ments to be recorded in a log for determining exemptions as provided in the applicability section of Subpart BB and other specific Subparts	264.1064(k) 264.1064(k)(1) 264.1064(k)(2) 264.1064(k)(3)	§335.152 (a) (16) §335.152 (a) (16) §335.152 (a) (16) §335.152 (a) (16)	x x x x		
records of equipment leak and operating information need be kept for only three years	264.1064(l)	§335.152 (a) (16)	x		
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)	§335.152 (a) (16)	x		

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
REPORTING REQUIREMENTS					
a semiannual report submitted by owners or operators to Regional Administrator by specified dates	264.1065(a)	§335.152 (a) (16)	x		
	264.1065(a)(1)	§335.152 (a) (16)	x		
	264.1065(a)(2)	§335.152 (a) (16)	x		
	264.1065(a)(2)(i)	§335.152 (a) (16)	x		
	264.1065(a)(2)(ii)	§335.152 (a) (16)	x		
	264.1065(a)(2)(iii)	§335.152 (a) (16)	x		
specific information the semiannual report must contain	264.1065(a)(3)	§335.152 (a) (16)	x		
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(a)(4)	§335.152 (a) (16)	x		
reserved	264.1066 - 264.1079	§335.152 (a) (16)	x		

PART 265 - INTERIM STATUS STANDARDS FOR OWNERS AND OPERATORS OF
HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL FACILITIES

SUBPART B - GENERAL FACILITY STANDARDS

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
REPORTING REQUIREMENTS					
a semiannual report submitted by owners or operators to Regional Administrator by specified dates	264.1065(a)	§335.152 (a) (16)	x		
	264.1065(a)(1)	§335.152 (a) (16)	x		
	264.1065(a)(2)	§335.152 (a) (16)	x		
	264.1065(a)(2)(i)	§335.152 (a) (16)	x		
	264.1065(a)(2)(ii)	§335.152 (a) (16)	x		
	264.1065(a)(2)(iii)	§335.152 (a) (16)	x		
specific information the semiannual report must contain	264.1065(a)(3)	§335.152 (a) (16)	x		
	264.1065(a)(4)	§335.152 (a) (16)	x		
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)	§335.152 (a) (16)	x		
reserved	264.1066 - 264.1079	§335.152 (a) (16)	x		

PART 265 - INTERIM STATUS STANDARDS FOR OWNERS AND OPERATORS OF
HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL FACILITIES

SUBPART B - GENERAL FACILITY STANDARDS

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE

GENERAL WASTE ANALYSIS

4 add references to

265.1034(d) and

265.1063(d)

265.13(b)(6)

§335.112 (a) (1) ✓

x

GENERAL INSPECTION REQUIREMENTS

change "items" to

"terms"; add

references to

265.1033, 265.1052,

265.1053, and

265.1058

265.15(b)(4)

§335.112 (a) (1) ✓

x

SUBPART E - MANIFEST SYSTEM, RECORDKEEPING, AND REPORTING

OPERATION RECORD

add references to

265.1034 and

265.1063

265.73(b)(3)

§335.112 (a) (4) ✓

x

add references to

265.1034(c)-(f),

265.1035,

265.1063(d)-,

and 265.1064

265.73(b)(6)

§335.112 (a) (4) ✓

x

ADDITIONAL REPORTS

add new paragraph

reading: "As

otherwise required

by Subparts

AA and BB."

265.77(d)

§335.115 (4) ✓

x

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

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
except as provided in 265.1	265.1030(a)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
units subject to the permitting requirements of Part 270	265.1030(b)(1)	§335.112 (a) (18)	x		
hazardous waste recycling units located on hazardous waste management facilities otherwise subject to Part 270 permitting requirements	265.1030(b)(2)	§335.112 (a) (18)	x		
<u>DEFINITIONS</u>					
all terms have meaning given them in 264.1031, the Act, and Parts 260-266	265.1031	§335.112 (a) (18)	x		
<u>STANDARDS: PROCESS VENTS</u>					
owner or operator of facility with process vents meeting certain conditions shall either:	265.1032(a)	§335.112 (a) (18)	x		
reduce total organic emissions below 1.4 kg/h and 2.8 Mg/yr	265.1032(a)(1)	§335.112 (a) (18)	x		
using control device, reduce total organic emissions by 95					

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
weight percent	265.1032(a)(2)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
use of 265.1034(c) procedures to resolve disagreements between owner or operator and Regional Administrator on vent determinations	265.1032(d)	§335.112 (a) (18)	x		

STANDARDS: CLOSED-VENT SYSTEMS AND CONTROL DEVICES

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

preparation of an implementation schedule by owner or operator, of existing facility, who cannot install a	265.1033(a)(1)	§335.112 (a) (18)	x		
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RCRA REVISION CHECKLIST 79: Organic Air Emission Standards for
Process Vents and Equipment Leaks (cont'd)

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
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)	§335.112 (a) (18)	x		
specification of efficiency standards for control device involving vapor recovery unless 265.1032(a)(1) emission limits can be attained	265.1033(b)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
	265.1033(d)(1)	§335.112 (a) (18)	x		
	265.1033(d)(2)	§335.112 (a) (18)	x		
	265.1033(d)(3)	§335.112 (a) (18)	x		
	265.1033(d)(4)(i)	§335.112 (a) (18)	x		
	265.1033(d)(4)(ii)	§335.112 (a) (18)	x		
	265.1033(d)(4)(iii)	§335.112 (a) (18)	x		
specifications for the design and operation of a flare	265.1033(d)(5)	§335.112 (a) (18)	x		
determination of compliance of a flare with the visible	265.1033(d)(6)	§335.112 (a) (18)	x		

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
emission provisions of Subpart AA using Reference Method 22 in 40 CFR Part 60	265.1033(e)(1)	§335.112 (a) (18)	x		
calculation of net heating value of gas being combusted in a flare using specified equation	265.1033(e)(2)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
determination of maximum allowed velocity for a flare complying with 265.1033(d)(4)(iii)	265.1033(e)(4)	§335.112 (a) (18)	x		
determination of maximum allowed velocity for an air-assisted flare	265.1033(e)(5)	§335.112 (a) (18)	x		
monitoring and inspection of control device by owner and operator to ensure compliance with 265.1033 by implementing specified requirements:	265.1033(f)	§335.112 (a) (18)	x		
installation, cali- bration, maintenance, and operation of a flow indicator; where sensor shall be installed	265.1033(f)(1)	§335.112 (a) (18)	x		
specifications for installation, cali- bration, maintenance, and operation of a					

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
device to continuously monitor control device operation:	265.1033(f)(2)	§335.112 (a) (18)	x		
temperature monitor- ing device with a continuous recorder for a thermal vapor incinerator	265.1033(f)(2)(i)	§335.112 (a) (18)	x		
temperature monitor- ing device with a continuous recorder for a catalytic vapor incinerator	265.1033(f)(2)(ii)	§335.112 (a) (18)	x		
heat sensing monitor- ing device with a continuous recorder for a flare	265.1033(f)(2)(iii)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
for a condenser, either:	265.1033(f)(2)(vi)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
temperature monitor- ing device with a continuous recorder;					

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
specifications for a carbon adsorption system, either:	265.1033(f)(2)(vi)(B)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
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)(A)	§335.112 (a) (18)	x		
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)(2)(vii)(B)	§335.112 (a) (18)	x		
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(f)(3)	§335.112 (a) (18)	x		
replacement of carbon on a regular basis by owner or operator using a carbon canister	265.1033(g)	§335.112 (a) (18)	x		
monitor organic compounds daily or at interval no greater than 20 percent of	265.1033(h)	§335.112 (a) (18)	x		

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Process Vents and Equipment Leaks (cont'd)

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
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)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
design and operational requirements for closed-vent systems based on 265.1034(b) methods	265.1033(j)(1)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
control of detectable emissions no later than 15 calendar days after emission is detected	265.1033(j)(3)	§335.112 (a) (18)	x		
first attempt at repair no later than 5 calendar days after emission is detected	265.1033(j)(4)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
<u>TEST METHODS AND PROCEDURES</u>					
compliance with 265.1034 test methods and procedures by owner or operator subject to provisions of Subpart AA	265.1034(a)	§335.112 (a) (18)	x		
when testing a closed-vent system for compliance with 265.1033(j) requirements, comply with following test requirements:	265.1034(b)	§335.112 (a) (18)	x		
monitoring in compliance with Reference Method 21 in 40 CFR Part 60	265.1034(b)(1)	§335.112 (a) (18)	x		
detection instrument shall meet the performance criteria of Reference Method 21	265.1034(b)(2)	§335.112 (a) (18)	x		
calibration of instrument by procedures specified in Reference					

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
Method 21 calibration gases shall be:	265.1034(b)(3)	§335.112 (a) (18)	x		
zero air	265.1034(b)(4)	§335.112 (a) (18)	x		
mixture of methane or n-hexane and air at specified concentration	265.1034(b)(4)(i)	§335.112 (a) (18)	x		
background level determined as set forth in Reference	265.1034(b)(4)(ii)	§335.112 (a) (18)	x		
Method 21 instrument probe traverse requirements as described in Reference	265.1034(b)(5)	§335.112 (a) (18)	x		
Method 21 arithmetic difference compared with 500 ppm for compliance determination	265.1034(b)(6)	§335.112 (a) (18)	x		
performance test requirements to determine compliance with 265.1032(a) and 265.1033(c)	265.1034(b)(7)	§335.112 (a) (18)	x		
reference methods and calculation procedures to use when determining total organic compound concentrations and mass flow rates	265.1034(c)	§335.112 (a) (18)	x		
Method 2 in 40 CFR Part 60 for velocity and volumetric flow rate	265.1034(c)(1)	§335.112 (a) (18)	x		
Method 18 in 40 CFR Part 60 for organic content	265.1034(c)(1)(i)	§335.112 (a) (18)	x		
performance tests in three separate runs; conditions for conducting runs;	265.1034(c)(1)(ii)	§335.112 (a) (18)	x		

FEDERAL RCRA REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
aging results on a					
time-weighted basis	265.1034(c)(1)(iii)	§335.112 (a) (18)	x		
information for					
determining					
total organic					
gas flow rates	265.1034(c)(1)(iv)	§335.112 (a) (18)	x		
information for					
determining annual					
total organic					
emission rate	265.1034(c)(1)(v)	§335.112 (a) (18)	x		
determination of					
total organic					
emissions from all					
process vents using					
265.1034(c)(1)(iv)					
information and					
265.1034(c)(1)(v)					
information	265.1034(c)(1)(vi)	§335.112 (a) (18)	x		
ordering of process					
information necessary					
to determine					
performance test					
results; certain					
rational periods					
are applicable	265.1034(c)(2)	§335.112 (a) (18)	x		
performance testing					
facilities provided					
owner or operator	265.1034(c)(3)	§335.112 (a) (18)	x		
polling ports					
adequate for					
265.1034(c)(1)					
test methods	265.1034(c)(3)(i)	§335.112 (a) (18)	x		
for sampling					
form(s)	265.1034(c)(3)(ii)	§335.112 (a) (18)	x		
access to					
polling platform(s)	265.1034(c)(3)(iii)	§335.112 (a) (18)	x		
facilities for sampling					
testing equipment	265.1034(c)(3)(iv)	§335.112 (a) (18)	x		
of time-weighted					
average of three runs					
making compliance					
determinations;					
Regional Administrator					
approval needed for					
average based on two					
if a sample is					
accidentally lost					

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
or certain conditions occur	265.1034(c)(4)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
direct measurement using the following procedures:	265.1034(d)(1)	§335.112 (a) (18)	x		
minimum of four grab samples under specified process conditions	265.1034(d)(1)(i)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
sample analysis using Method 9060 or 8240 of SW-846	265.1034(d)(1)(iii)	§335.112 (a) (18)	x		
calculation of time-weighted, annual average total organic concentration of waste	265.1034(d)(1)(iv)	§335.112 (a) (18)	x		
using knowledge of the waste to determine its total organic concentration is less than 10 ppmw; documentation of the waste determination					

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Process Vents and Equipment Leaks (cont'd)

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
is required; examples of acceptable documentation	265.1034(d)(2)	§335.112 (a) (18)	x		
guidelines for the determination that hazardous wastes are managed with time weighed, annual average total organic concentrations less than 10 ppmw	265.1034(e)	§335.112 (a) (18)	x		
	265.1034(e)(1)	§335.112 (a) (18)	x		
	265.1034(e)(2)	§335.112 (a) (18)	x		
	265.1034(e)(3)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
RECORDKEEPING REQUIREMENTS					
compliance with recordkeeping requirements	265.1035(a)(1)	§335.112 (a) (18)	x		
recordkeeping requirements for more than one hazardous waste management unit in one recordkeeping system	265.1035(a)(2)	§335.112 (a) (18)	x		
information that must be recorded in the facility operating record	265.1035(b)	§335.112 (a) (18)	x		
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					

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
becomes subject to Subpart AA provisions	265.1035(b)(1)	§335.112 (a) (18)	x		
up-to-date documen- tation of 265.1032 standards	265.1035(b)(2)	§335.112 (a) (18)	x		
information and data identifying all affected process vents and specific information for each vent	265.1035(b)(2)(i)	§335.112 (a) (18)	x		
information and data supporting determina- tions of vent emissions and emission reductions; new determination required if any action taken increases total emissions	265.1035(b)(2)(ii)	§335.112 (a) (18)	x		
a performance test plan for owners or operators using test data for determination	265.1035(b)(3)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
	265.1035(b)(3)(ii)	§335.112 (a) (18)	x		
	265.1035(b)(3)(ii)(A)	§335.112 (a) (18)	x		
	265.1035(b)(3)(ii)(B)	§335.112 (a) (18)	x		
	265.1035(b)(3)(ii)(C)	§335.112 (a) (18)	x		
detailed engineering description of closed-vent system and control device	265.1035(b)(3)(ii)(D)	§335.112 (a) (18)	x		
	265.1035(b)(3)(ii)(E)	§335.112 (a) (18)	x		
detailed description of sampling and monitor- ing procedures	265.1035(b)(3)(iii)	§335.112 (a) (18)	x		

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
documentation of compliance with 265.1033	265.1035(b)(4)	§335.112 (a) (18)	x		
information references and sources	265.1035(b)(4)(i)	§335.112 (a) (18)	x		
records including the dates of each compliance test required by 265.1033(j)	265.1035(b)(4)(ii)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
design analysis requirements for a thermal vapor incinerator	265.1035(b)(4)(iii)(A)	§335.112 (a) (18)	x		
design analysis requirements for a catalytic vapor incinerator	265.1035(b)(4)(iii)(B)	§335.112 (a) (18)	x		
design analysis requirements for a boiler or process heater	265.1035(b)(4)(iii)(C)	§335.112 (a) (18)	x		
design analysis requirements for a flare	265.1035(b)(4)(iii)(D)	§335.112 (a) (18)	x		
design analysis requirements for a condenser	265.1035(b)(4)(iii)(E)	§335.112 (a) (18)	x		
design analysis requirements for carbon adsorption system that regenerates the					

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
carbon bed directly onsite	265.1035(b)(4)(iii)(F)	§335.112 (a) (18)	x		
design analysis requirements for a carbon adsorption system that does not regenerate the carbon bed directly onsite	265.1035(b)(4)(iii)(G)	§335.112 (a) (18)	x		
certification state- ment signed and dated by owner or operator regarding operating parameters	265.1035(b)(4)(iv)	§335.112 (a) (18)	x		
certification state- ment signed and dated by owner or operator regarding control equipment meeting design specifications	265.1035(b)(4)(v)	§335.112 (a) (18)	x		
all test results when performance tests are used to demonstrate compliance	265.1035(b)(4)(vi)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
description and date of each modification	265.1035(c)(1)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
information required					

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Process Vents and Equipment Leaks (cont'd)

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
by 265.1033(f)-(j) 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)(3)	§335.112 (a) (18)	x		
when combustion temperature is below 760°C for a thermal vapor incinerator	265.1035(c)(4)	§335.112 (a) (18)	x		
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	265.1035(c)(4)(i)	§335.112 (a) (18)	x		
difference for a catalytic vapor incinerator	265.1035(c)(4)(ii)	§335.112 (a) (18)	x		
boiler or process heater	265.1035(c)(4)(iii)	§335.112 (a) (18)	x		
flame zone temperature is more than 28°C below design average temperature	265.1035(c)(4)(iii)(A)	§335.112 (a) (18)	x		
position changes	265.1035(c)(4)(iii)(B)	§335.112 (a) (18)	x		
period when the pilot flame is not ignited for a flare	265.1035(c)(4)(iv)	§335.112 (a) (18)	x		
period when organic compounds are more than 20 percent greater than the design level for a condenser	265.1035(c)(4)(v)	§335.112 (a) (18)	x		
	265.1035(c)(4)(vi)	§335.112 (a) (18)	x		

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Process Vents and Equipment Leaks (cont'd)

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
condenser that complies with 265.1033(f)(2)(vi)(B)	265.1035(c)(4)(vii)	§335.112 (a) (18)	x		
temperature of exhaust vent stream is more than 6°C above design average temperature	265.1035(c)(4)(vii)(A)	§335.112 (a) (18)	x		
temperature of exiting coolant fluid is more than 6°C above design average temperature	265.1035(c)(4)(vii)(B)	§335.112 (a) (18)	x		
period when organic compounds are more than 20 percent greater than the design level for a carbon adsorption system	265.1035(c)(4)(viii)	§335.112 (a) (18)	x		
period when vent stream flow exceeds predetermined regeneration time for a carbon adsorption system	265.1035(c)(4)(ix)	§335.112 (a) (18)	x		
7 explanation for each period under 265.1035(c)(4) of the cause for parameters being exceeded and measures implemented	265.1035(c)(5)	§335.112 (a) (18)	x		
date when existing carbon is replaced	265.1035(c)(6)	§335.112 (a) (18)	x		
	265.1035(c)(7)	§335.112 (a) (18)	x		
	265.1035(c)(7)(i)	§335.112 (a) (18)	x		
log to record specific dates	265.1035(c)(7)(ii)	§335.112 (a) (18)	x		
date of each control device startup and shutdown	265.1035(c)(8)	§335.112 (a) (18)	x		
records required by paragraphs 265.1035(c)(3)-(c)(8)					

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Process Vents and Equipment Leaks (cont'd)

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
need be kept only 3 years	265.1035(d)	§335.112 (a) (18)	x		
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)	§335.112 (a) (18)	x		
logging of information used to determine if process vent is subject to 265.1032 and 265.1032(d)(2)	265.1035(f)	§335.112 (a) (18)	x		
reserved	265.1036 - 265.1049	§335.112 (a) (18)	x		

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
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

265.1050(a)

§335.112 (a) (19)

x

265.1050(b)

§335.112 (a) (19)

x

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
facilities subject to Part 270 permitting requirements	265.1050(b)(1)	§335.112 (a) (19)	x		
equipment subject to Subpart BB, Part 265 shall be marked	265.1050(b)(2)	§335.112 (a) (19)	x		
equipment in vacuum service excluded from requirements of 265.1052 to 265.1060 requirements if identified as required in 265.1064(q)(5)	265.1050(c)	§335.112 (a) (19)	x		
	265.1050(d)	§335.112 (a) (19)	x		
DEFINITIONS					
all terms have meaning given them in 264.1031, the Act, and Parts 260-266	265.1051	§335.112 (a) (19)	x		
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)	§335.112 (a) (19)	x		
visual inspection each calendar week	265.1052(a)(2)	§335.112 (a) (19)	x		
conditions indicating a leak is detected	265.1052(b)(1)	§335.112 (a) (19)	x		
time frame for leak repair, except as provided in 265.1059	265.1052(b)(2)	§335.112 (a) (19)	x		
first attempt at leak repair not to exceed 5 calendar days after leak detection	265.1052(c)(1)	§335.112 (a) (19)	x		
pump equipped with dual mechanical seal	265.1052(c)(2)	§335.112 (a) (19)	x		

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
system that includes a barrier fluid system is exempt from 265.1052(a) if specific requirements are met:	265.1052(d)	§335.112 (a) (19)	x		
	265.1052(d)(1)	§335.112 (a) (19)	x		
operational and equipment requirements for a dual mechanical seal system	265.1052(d)(1)(i)	§335.112 (a) (19)	x		
	265.1052(d)(1)(ii)	§335.112 (a) (19)	x		
	265.1052(d)(1)(iii)	§335.112 (a) (19)	x		
organic concentra- tion limitation for barrier fluid system	265.1052(d)(2)	§335.112 (a) (19)	x		
sensor requirement	265.1052(d)(3)	§335.112 (a) (19)	x		
weekly visual check of pump	265.1052(d)(4)	§335.112 (a) (19)	x		
daily check of barrier fluid system sensor or monthly check of audible alarm	265.1052(d)(5)(i)	§335.112 (a) (19)	x		
determination of criterion to indicate failure of systems	265.1052(d)(5)(ii)	§335.112 (a) (19)	x		
leak detection criteria	265.1052(d)(6)(i)	§335.112 (a) (19)	x		
repair of leak not to exceed 15 calendar days, except as provided in 265.1059	265.1052(d)(6)(ii)	§335.112 (a) (19)	x		
first attempt at leak repair not to exceed 5 calendar days after leak detection	265.1052(d)(6)(iii)	§335.112 (a) (19)	x		
8 conditions under which pump designated for no detectable emissions	265.1052(e)	§335.112 (a) (19)	x		
	265.1052(e)(1)	§335.112 (a) (19)	x		

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Process Vents and Equipment Leaks (cont'd)

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
is exempt from 265.1052(a), (c) and (d) requirements pump equipped with closed-vent system and control device in compliance with 265.1060 is exempt from 265.1052(a)-(e) requirements	265.1052(e)(2) 265.1052(e)(3) 265.1052(f)	§335.112 (a) (19) §335.112 (a) (19) §335.112 (a) (19)	x x x		
<u>STANDARDS: COMPRESSORS</u>					
seal system requirement for compressor, except as provided in 265.1053(h) and (i)	265.1053(a)	§335.112 (a) (19)	x		
	265.1053(b)	§335.112 (a) (19)	x		
	265.1053(b)(1)	§335.112 (a) (19)	x		
specifications for compressor seal system	265.1053(b)(2) 265.1053(b)(3)	§335.112 (a) (19) §335.112 (a) (19)	x x		
organic concentration limitation for barrier fluid sensor requirement	265.1053(c) 265.1053(d)	§335.112 (a) (19) §335.112 (a) (19)	x x		
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(e)(1)	§335.112 (a) (19)	x		
determination of criterion to indicate failure of systems leak detection criteria	265.1053(e)(2) 265.1053(f)	§335.112 (a) (19) §335.112 (a) (19)	x x		
repair of leak not to exceed 15 calendar days,					

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Process Vents and Equipment Leaks (cont'd)

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
except as provided in 265.1059	265.1053(q)(1)	§335.112 (a) (19)	x		
first attempt at leak repair not to exceed 5 calendar days after leak detection	265.1053(q)(2)	§335.112 (a) (19)	x		
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)	§335.112 (a) (19)	x		
conditions under which compressor designated for no detectable emissions	265.1053(i)	§335.112 (a) (19)	x		
is exempt from 265.1053(a) through (h) requirements	265.1053(i)(1)	§335.112 (a) (19)	x		
	265.1053(i)(2)	§335.112 (a) (19)	x		

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)	§335.112 (a) (19)	x		
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)	§335.112 (a) (19)	x		
monitoring of pressure relief device within 5 calendar days after					

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
pressure relief to confirm no detectable emissions, as measured by 265.1063(c) method	265.1054(b)(2)	§335.112 (a) (19)	x		
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)	§335.112 (a) (19)	x		
STANDARDS: SAMPLING CONNECTING SYSTEMS					
sampling connecting system equipped with closed purge or closed-vent system	265.1055(a)	§335.112 (a) (19)	x		
	265.1055(b)	§335.112 (a) (19)	x		
return, collect and recycle purged waste with no detectable emissions; control device in compliance with 265.1060	265.1055(b)(1)	§335.112 (a) (19)	x		
	265.1055(b)(2)	§335.112 (a) (19)	x		
	265.1055(b)(3)	§335.112 (a) (19)	x		
in situ sampling systems exempt from 265.1055(a) and (b) requirements	265.1055(c)	§335.112 (a) (19)	x		
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)	§335.112 (a) (19)	x		
requirement to seal open end at all times except during specified operations	265.1056(a)(2)	§335.112 (a) (19)	x		
operational require- ments for open-ended valve or line equipped					

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
with a second valve requirements for bleed valve or line when a double block and bleed system is used; compliance with 265.1056(a)	265.1056(b)	§335.112 (a) (19)	x		
265.1056(a)	265.1056(c)	§335.112 (a) (19)	x		
<u>STANDARDS: VALVES IN GAS/VAPOR SERVICE OR IN LIGHT LIQUID SERVICE</u>					
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)	§335.112 (a) (19)	x		
instrument reading of 10,000 ppm or greater indicates leak	265.1057(b)	§335.112 (a) (19)	x		
monitoring requirements if leak not detected for two successive months	265.1057(c)(1)	§335.112 (a) (19)	x		
monthly monitoring requirement if leak detected	265.1057(c)(2)	§335.112 (a) (19)	x		
repair of leak not to exceed 15 calendar days, except as provided in 265.1059	265.1057(d)(1)	§335.112 (a) (19)	x		
first attempt at leak repair not to exceed 5 calendar days after leak detection	265.1057(d)(2)	§335.112 (a) (19)	x		
	265.1057(e)	§335.112 (a) (19)	x		
	265.1057(e)(1)	§335.112 (a) (19)	x		

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
	265.1057(e)(2)	§335.112 (a) (19)	x		
best practices to include in first attempt at repair	265.1057(e)(3)	§335.112 (a) (19)	x		
valve designated for no detectable emissions under 265.1064(g)(2)	265.1057(e)(4)	§335.112 (a) (19)	x		
is exempt from 265.1057(a) requirements if specified conditions are met	265.1057(f)	§335.112 (a) (19)	x		
	265.1057(f)(1)	§335.112 (a) (19)	x		
	265.1057(f)(2)	§335.112 (a) (19)	x		
	265.1057(f)(3)	§335.112 (a) (19)	x		
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)	§335.112 (a) (19)	x		
	265.1057(g)(1)	§335.112 (a) (19)	x		
	265.1057(g)(2)	§335.112 (a) (19)	x		
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)	§335.112 (a) (19)	x		
	265.1057(h)(1)	§335.112 (a) (19)	x		
	265.1057(h)(2)	§335.112 (a) (19)	x		
	265.1057(h)(3)	§335.112 (a) (19)	x		

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) §335.112 (a) (19)

x

reading of 10,000
ppm or greater

265.1058(b) §335.112 (a) (19)

x

repair of leak

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
not to exceed 15 calendar days, except as provided in 265.1059	265.1058(c)(1)	§335.112 (a) (19)	x		
first attempt at leak repair not to exceed 5 calendar days after leak detection	265.1058(c)(2)	§335.112 (a) (19)	x		
first attempt at repair includes best practices described under 265.1057(e)	265.1058(d)	§335.112 (a) (19)	x		
<u>STANDARDS: DELAY OF REPAIR</u>					
requirements for the delay of repair of equipment for which leaks have been detected	265.1059(a)	§335.112 (a) (19)	x		
type of equipment for which delay of repair allowed	265.1059(b)	§335.112 (a) (19)	x		
	265.1059(c)	§335.112 (a) (19)	x		
conditions under which delay of repair of valves allowed	265.1059(c)(1)	§335.112 (a) (19)	x		
	265.1059(c)(2)	§335.112 (a) (19)	x		
	265.1059(d)	§335.112 (a) (19)	x		
conditions under which delay of repair of pumps allowed	265.1059(d)(1)	§335.112 (a) (19)	x		
	265.1059(d)(2)	§335.112 (a) (19)	x		
conditions for delay of repair beyond a hazardous waste management unit shutdown	265.1059(e)	§335.112 (a) (19)	x		
<u>STANDARDS: CLOSED-VENT SYSTEMS AND CONTROL DEVICES</u>					
owners or operators of closed-vent					

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
systems and control devices shall comply with 265.1033 provisions	265.1060	§335.112 (a) (19)	x		

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)	§335.112 (a) (19)	x
--------------	-------------	-------------------	---

notification,
performance test,
and repair

265.1061(b)	§335.112 (a) (19)	x
-------------	-------------------	---

requirements if

265.1061(b)(1)	§335.112 (a) (19)	x
----------------	-------------------	---

an owner or operator
decides to comply with
alternative standard

265.1061(b)(2)	§335.112 (a) (19)	x
----------------	-------------------	---

265.1061(b)(3)	§335.112 (a) (19)	x
----------------	-------------------	---

monitoring

265.1061(c)	§335.112 (a) (19)	x
-------------	-------------------	---

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

265.1061(c)(1)	§335.112 (a) (19)	x
----------------	-------------------	---

265.1061(c)(2)	§335.112 (a) (19)	x
----------------	-------------------	---

265.1061(c)(3)	§335.112 (a) (19)	x
----------------	-------------------	---

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)	§335.112 (a) (19)	x
-------------	-------------------	---

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

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
owner or operator subject to 265.1057 requirements	265.1062(a)(1)	§335.112 (a) (19)	x		
notification of Regional Administrator before implementing alternative work practice	265.1062(a)(2)	§335.112 (a) (19)	x		
compliance with 265.1057 requirements, except as described in 265.1062(b)(2) and (b)(3)	265.1062(b)(1)	§335.112 (a) (19)	x		
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)	§335.112 (a) (19)	x		
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)	§335.112 (a) (19)	x		
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)	§335.112 (a) (19)	x		

TEST METHODS AND PROCEDURES

compliance with test

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
methods and procedure requirements by owner or operator subject to provisions of Subpart BB	265.1063(a)	§335.112 (a) (19)	x		
leak detection monitoring as required in 265.1052-265.1062 shall comply with specified requirements:	265.1063(b)	§335.112 (a) (19)	x		
monitoring in compliance with Reference Method 21 in 40 CFR Part 60	265.1063(b)(1)	§335.112 (a) (19)	x		
detection instrument shall meet the performance criteria of Reference Method 21	265.1063(b)(2)	§335.112 (a) (19)	x		
calibration of instru- ment by procedures specified in Reference Method 21	265.1063(b)(3)	§335.112 (a) (19)	x		
calibration gases shall be:	265.1063(b)(4)	§335.112 (a) (19)	x		
zero air	265.1063(b)(4)(i)	§335.112 (a) (19)	x		
mixture of methane or n-hexane and air at specified concentration	265.1063(b)(4)(ii)	§335.112 (a) (19)	x		
instrument probe traverse requirements as described in Reference Method 21	265.1063(b)(5)	§335.112 (a) (19)	x		
test compliance requirements for equipment with no detectable emissions as required in 265.1052(e), 265.1053(i),	265.1063(c)	§335.112 (a) (19)	x		
	265.1063(c)(1)	§335.112 (a) (19)	x		
	265.1063(c)(2)	§335.112 (a) (19)	x		
	265.1063(c)(3)	§335.112 (a) (19)	x		

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
265.1054 and 265.1057(f)	265.1063(c)(4)	§335.112 (a) (19)	x		
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:	265.1063(d)	§335.112 (a) (19)	x		
methods described in ASTM Methods D 2267-88, E 169-87, E 168-88 and E 260-85	265.1063(d)(1)	§335.112 (a) (19)	x		
Method 9060 or 8240 of SW-846	265.1063(d)(2)	§335.112 (a) (19)	x		
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	265.1063(d)(3)	§335.112 (a) (19)	x		
determination as specified in 265.1063(d) can be revised only after following 265.1063(d)(1) or (d)(2) procedures	265.1063(e)	§335.112 (a) (19)	x		
use of 265.1063(d)(1) or (d)(2) to resolve determination disputes between owner or operator and Regional Administrator	265.1063(f)	§335.112 (a) (19)	x		
samples used for determination					

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
representative of highest expected total organic content hazardous waste	265.1063(g)	§335.112 (a) (19)	x		
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)	§335.112 (a) (19)	x		
performance tests for control device shall comply with 265.1034(c)(1) through (c)(4) procedures	265.1063(i)	§335.112 (a) (19)	x		
RECORDKEEPING REQUIREMENTS					
compliance with recordkeeping requirements	265.1064(a)(1)	§335.112 (a) (19)	x		
recordkeeping requirements for more than one hazardous waste management unit in one recordkeeping system	265.1064(a)(2)	§335.112 (a) (19)	x		
	265.1064(b)	§335.112 (a) (19)	x		
	265.1064(b)(1)	§335.112 (a) (19)	x		
	265.1064(b)(1)(i)	§335.112 (a) (19)	x		
	265.1064(b)(1)(ii)	§335.112 (a) (19)	x		
	265.1064(b)(1)(iii)	§335.112 (a) (19)	x		
specific information that owners and operators must record	265.1064(b)(1)(iv)	§335.112 (a) (19)	x		
	265.1064(b)(1)(v)	§335.112 (a) (19)	x		

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
in the facility operating record	265.1064(b)(1)(vi)	§335.112 (a) (19)	x		
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)(2)	§335.112 (a) (19)	x		
performance test plan as specified in 265.1035(b)(3) if test data are used for control device demonstration	265.1064(b)(3)	§335.112 (a) (19)	x		
documentation of compliance with 265.1060, including documentation or results specified in 265.1035(b)(4)	265.1064(b)(4)	§335.112 (a) (19)	x		
9 information require- ments when each leak is detected as specified in 265.1052, 265.1053, 265.1057 and 265.1058	265.1064(c)	§335.112 (a) (19)	x		
	265.1064(c)(1)	§335.112 (a) (19)	x		
	265.1064(c)(2)	§335.112 (a) (19)	x		
	265.1064(c)(3)	§335.112 (a) (19)	x		
	265.1064(d)	§335.112 (a) (19)	x		
	265.1064(d)(1)	§335.112 (a) (19)	x		
	265.1064(d)(2)	§335.112 (a) (19)	x		
	265.1064(d)(3)	§335.112 (a) (19)	x		
	265.1064(d)(4)	§335.112 (a) (19)	x		
	265.1064(d)(5)	§335.112 (a) (19)	x		
	265.1064(d)(6)	§335.112 (a) (19)	x		
inspection log	265.1064(d)(7)	§335.112 (a) (19)	x		

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
information require- ments when each leak is detected as specified in 265.1052, 265.1053, 265.1057 and 265.1058 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(d)(8)	§335.112 (a) (19)	x		
	265.1064(d)(9)	§335.112 (a) (19)	x		
	265.1064(d)(10)	§335.112 (a) (19)	x		
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	265.1064(e)	§335.112 (a) (19)	x		
	265.1064(f)	§335.112 (a) (19)	x		
	265.1064(g)	§335.112 (a) (19)	x		
	265.1064(g)(1)	§335.112 (a) (19)	x		
	265.1064(g)(2)(i)	§335.112 (a) (19)	x		
	265.1064(g)(2)(ii)	§335.112 (a) (19)	x		
information requirements for equipment subject to the requirements of 265.1052 through 265.1060 to be	265.1064(g)(3)	§335.112 (a) (19)	x		
	265.1064(g)(4)(i)	§335.112 (a) (19)	x		
	265.1064(g)(4)(ii)	§335.112 (a) (19)	x		

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
recorded in a log and kept in the facility operating record	265.1064(g)(4)(iii)	§335.112 (a) (19)	x		
	265.1064(g)(5)	§335.112 (a) (19)	x		
information requirements for valves subject to the requirements of 265.1057(g) and (h)	265.1064(h)	§335.112 (a) (19)	x		
	265.1064(h)(1)	§335.112 (a) (19)	x		
	265.1064(h)(2)	§335.112 (a) (19)	x		
	265.1064(i)	§335.112 (a) (19)	x		
information requirements for valves complying with 265.1062	265.1064(i)(1)	§335.112 (a) (19)	x		
	265.1064(i)(2)	§335.112 (a) (19)	x		
additional information requirements	265.1064(j)	§335.112 (a) (19)	x		
criteria required in 265.1052(d)(5)(ii) and 265.1053(e)(2) and an explanation of the design criteria	265.1064(j)(1)	§335.112 (a) (19)	x		
any changes to the criteria and the reasons for the changes	265.1064(j)(2)	§335.112 (a) (19)	x		
information require- ments to be recorded in a log for determining exemptions as provided in the applicability section of Subpart BB and other specific Subparts	265.1064(k)	§335.112 (a) (19)	x		
	265.1064(k)(1)	§335.112 (a) (19)	x		
	265.1064(k)(2)	§335.112 (a) (19)	x		
	265.1064(k)(3)	§335.112 (a) (19)	x		
records of equipment leak and operating information need be kept for only three years	265.1064(l)	§335.112 (a) (19)	x		
the owner or operator of facility subject to Subpart BB and to regulations at 40 CFR Part 60, Subpart VV, or					

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
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)	§335.112 (a) (19)	x		
reserved	265.1065 - 265.1079	§335.112 (a) (19)	x		

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)	§305.50 (4) (A)	x		
remove "and" at the end of paragraph	270.14(b)(8)(iv)	§305.50 (4) (A)	x		
insert "; and" at the end of paragraph	270.14(b)(8)(v)	§305.50 (4) (A)	x		
add new paragraph reading "Prevent releases to atmosphere"	270.14(b)(8)(vi)	§305.50 (4) (A)	x		

SPECIFIC PART B INFORMATION REQUIREMENTS FOR PROCESS VENTS

additional infor-
mation that must be
provided by owners
and operators of
facilities that have

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

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
process vents to which Subpart AA of Part 264 applies, except as provided in 264.1	270.24	§305.50 (4) (A) ✓	x		
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)	§305.50 (4) (A) ✓	x		
documentation of compliance with process vent standards in 264.1032 including:	270.24(b)	§305.50 (4) (A) ✓	x		
information and data identifying all affected process vents and specific information for each vent	270.24(b)(1)	§305.50 (4) (A) ✓	x		
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)	§305.50 (4) (A) ✓	x		
information and data for determining if a process vent is					

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
subject to 264.1032 requirements	270.24(b)(3)	§305.50 (4) (A) ✓	x		
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)	§305.50 (4) (A) ✓	x		
documentation of compliance with 264.1033 including: references and sources used in preparing documentation	270.24(d)	§305.50 (4) (A) ✓	x		
10 records including dates of each compliance test required by 264.1033(k)	270.24(d)(1)	§305.50 (4) (A) ✓	x		
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)(2)	§305.50 (4) (A) ✓	x		
certification statement signed and dated by owner or operator regarding operating parameters used in design analysis	270.24(d)(3)	§305.50 (4) (A) ✓	x		
certification statement signed and dated by owner or operator regarding control device meeting efficiency	270.24(d)(4)	§305.50 (4) (A) ✓	x		

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

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FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
design specifications	270.24(d)(5)	§305.50 (4) (A) ✓	x		

SPECIFIC PART B INFORMATION REQUIREMENTS FOR EQUIPMENT

additional infor-
mation 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

§305.50 (4) (A) ✓

x

for each piece of
equipment to which
Subpart BB of Part
264 applies:

270.25(a)

§305.50 (4) (A) ✓

x

equipment identifi-
cation number and
hazardous waste
management unit

identification

270.25(a)(1)

§305.50 (4) (A) ✓

x

approximate locations
within the facility

270.25(a)(2)

§305.50 (4) (A) ✓

x

type of equipment

270.25(a)(3)

§305.50 (4) (A) ✓

x

percent by weight
total organics in
the hazardous waste
stream at the

equipment

270.25(a)(4)

§305.50 (4) (A) ✓

x

hazardous waste
state at

the equipment

270.25(a)(5)

§305.50 (4) (A) ✓

x

method of

compliance with

the standard

270.25(a)(6)

§305.50 (4) (A) ✓

x

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

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

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
provisions on the effective date the facility becomes subject to Part 264 or Part 265 Subpart BB provisions	270.25(b)	§305.50 (4) (A)	x		
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)	§305.50 (4) (A)	x		
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)	§305.50 (4) (A)	x		
documentation to demonstrate compliance with 264.1060 shall include:	270.25(e)	§305.50 (4) (A)	x		
references and sources used in preparing documentation	270.25(e)(1)	§305.50 (4) (A)	x		
records including dates of each compliance test required by 264.1033(j)	270.25(e)(2)	§305.50 (4) (A)	x		
design analysis and other documents that present basic control device design infor- mation; design analysis addresses vent					

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
stream characteris- tics and control device operation parameters as specified in 264.1035(b)(4)(iii)	270.25(e)(3)	§305.50 (4) (A)	x		
certification state- ment signed and dated by owner or operator regarding operating parameters used in design analysis	270.25(e)(4)	§305.50 (4) (A)	x		
certification state- ment signed and dated by owner or operator regarding control device meeting efficiency design specifications	270.25(e)(5)	§305.50 (4) (A)	x		

- 1 There is a typographical error in the Federal Register notice for this checklist (55 FR 25494, June 21, 1990). The reference to "2641" in paragraph 264.1030(a) should be to "264.1."
- 2 There is a typographical error in the Federal Register notice for this checklist (55 FR 25494, June 21, 1990). The reference to "264.1035(e)" in paragraph 264.1030(b) should be to "264.1034(e)."
- 3 The reference to "paragraphs (1) and (2) of this section" in the Federal Register (55 FR 25454, June 21, 1990) in paragraph 264.1033(f)(3) should be to "paragraphs (f)(1) and (f)(2) of this section."
- 4 There is an error in the July 1, 1989 CFR which is repeated in the Federal Register for this checklist (55 FR 25506 and 25507, June 21, 1990). The reference to "265.193" should be to "265.200."
- 5 There is a typographical error in the Federal Register notice for this checklist (55 FR 25507, June 21, 1990). The reference to "265.1035(d)" in paragraph 265.1030(b) should be to "265.1034(e)."
- 6 There is a typographical error in the Federal Register notice for this checklist (55 FR 25510, June 21, 1990). The first reference to "(c)(1)(v)" in paragraph 265.1034(c)(1)(vi) should be to "(c)(1)(iv)."
- 7 There is a typographical error in the Federal Register for this checklist (55 FR 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 Federal Register for this checklist (55 FR 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 Federal Register for this checklist (55 FR 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 Federal Register for this checklist (55 FR 25518, June 21, 1990). The reference to "264.103(k)" in paragraph 270.24(d)(2) should be to "264.1033(k)."

Incorporation by Reference Form 1

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FEDERAL RCRA CITATION	STATE CITATION INCORPORATING BY REFERENCE	EQUIVALENT	STATE ANALOG IS:	
			MORE STRINGENT	BROADER IN SCOPE
261.6	§361.003(15), §335.1	x		
264.13, 264.15	§335.152(a)(1)	x		
264.73	§335.152(a)(4)	x		
264.73	§335.152(a)(4)	x		
264.1030-264.1049	§335.152(a)(15)	x		
264.1050-264.1079	§335.152(a)(16)	x		
265.13, 265.15	§335.112(a)(1)	x		
265.73	§335.112(a)(4)	x		
265.1030-265.1049	§335.112(a)(18)	x		
265.1050-265.1079	§335.112(a)(19)	x		