

US EPA ARCHIVE DOCUMENT

RCRA REVISION CHECKLIST 94

Burning of Hazardous Waste in Boilers and Industrial Furnaces; Corrections and Technical Amendments I

56 FR 32688

July 17, 1991

(RCRA Cluster II, HSWA and non-HSWA provisions)

Note: 1) This checklist makes extensive technical corrections and provides technical amendments to the February 21, 1991 (56 FR 7134; Revision Checklist 85) final rule. It also adds two new appendices, Appendix IX and Appendix X, to the code. Technical corrections to several sections (i.e., 266.104(a)(2), 266.107(d)(1)&(2) and 270.73(f)&(g)) of code were already addressed in Revision Checklist 85. However, for completeness, these corrections are repeated in this checklist and identified in the endnotes. On August 27, 1991 (56 FR 42504) the Agency published a second technical amendment, which is addressed by Revision Checklist 96.

2) The regulations addressed by this checklist typically do not make a distinction between the various types of burning devices. However, the provisions in the regulations as they apply to sludge dryers, carbon regeneration units, infrared incinerators, and plasma arc incinerators are considered to be non-HSWA requirements, while the regulations as they apply to all other types of burning devices are HSWA provisions. EPA will implement the HSWA requirements in authorized States until the States modify their programs and such modifications are approved by EPA. The non-HSWA requirements are applicable only in those States which are unauthorized. In authorized States, the non-HSWA requirements will not be applicable until the States revise their programs to adopt equivalent requirements under State law.

3) EPA has adopted a format in the Federal Register where the designation of a citation beyond a certain subparagraph is italicized. This format was not consistently used in the February 21, 1991 Federal Register (Revision Checklist 85). Subsequently, the July 17, 1991 Federal Register (Revision Checklist 94) corrected several of the formatting errors found in the February 21, 1991 Federal Register. The EPA format is consistently used in both Revision Checklists 85 and 94. Technical corrections which only address the italicizing format of a citation are not included in this checklist. Such citations include 266.102(e)(6)(i)(B)(2), 266.102(e)(6)(ii)(B)(2), 266.103(b)(5)(i)(B)(1), 266.103(b)(5)(i)(B)(2), 266.103(b)(5)(ii)(B)(1), and 266.103(c)(7)(ii)(B)(2).

4) Because this checklist corrects numerous errors, States which are not authorized for Revision Checklist 85 are strongly encouraged to adopt these present technical corrections/amendments and the ones addressed by Revision Checklist 96 at the same time the requirements addressed by Revision Checklist 85 are adopted. States already authorized for the provisions addressed by Revision Checklist 85 should adopt the Revision Checklist 94 and 96 technical corrections/amendments as soon as possible.

5) Note that on September 5, 1991 (56 FR 43874), an administrative stay was published affecting the February 21, 1991 (56 FR 7134; Revision Checklist 85) final rule. Revision Checklist 98 addresses changes to the Federal code made by the September 5, 1991 final rule. The changes addressed by that checklist are optional.

**RCRA REVISION CHECKLIST 94: Burning of Hazardous Waste in Boilers and
Industrial Furnaces; Corrections and Technical Amendments (cont'd)**

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

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 A - GENERAL

DEFINITION OF HAZARDOUS WASTE

replace "261.6(a)(3)(v) through (ix)" with "261.6(a)(3)(v) through (viii)"	261.3(c)(2)(ii)(B)	335.1	x		
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REQUIREMENTS FOR RECYCLABLE MATERIALS

replace the letter "G" with "H"	261.6(a)(2)	335.24(b)	x		
replace "Subpart D" with "Subpart H"	261.6(a)(2)(ii)	335.24(b)(2)	x		

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

SUBPART P - THERMAL TREATMENT

OTHER THERMAL TREATMENT

delete "." at the end and insert ", and Subpart H of Part 266, if the unit is a boiler or an industrial furnace as defined in §260.10."	265.370	335.112(a)(15)	x		
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**RCRA REVISION CHECKLIST 94: Burning of Hazardous Waste in Boilers and
Industrial Furnaces; Corrections and Technical Amendments (cont'd)**

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

**PART 266 - STANDARDS FOR THE MANAGEMENT OF SPECIFIC HAZARDOUS WASTES
AND SPECIFIC TYPES OF HAZARDOUS WASTE MANAGEMENT FACILITIES**

SUBPART E - USED OIL BURNED FOR ENERGY RECOVERY

APPLICABILITY

3	replace "Subpart D of Part 266" with "Subpart H of Part 266"	266.40(c)	335.221(b)(1)	x	
3	replace "Subpart D" with "Subpart H"	266.40(d)	335.221(b)(1)	x	

SUBPART H - HAZARDOUS WASTE BURNED IN BOILERS AND INDUSTRIAL FURNACES

APPLICABILITY

	replace the "." after "recovery" with a ":"	266.100(b)(2)	335.221(b)(3)	x	
	replace "chapter." with "chapter: and"	266.100(b)(3)	335.221(b)(2)	x	

PERMIT STANDARDS FOR BURNERS

	change "the Evaluation of Solid Waste" to "Evaluating Solid Waste"	266.102(b)(1)	335.221(a)(3)	x	
4	redesignate old "(d)(4)(iii)(D)" as "(d)(4)(iv)"	266.102(d)(4)(iv)	335.221(a)(5)	x	
	insert "A" before "sampling"	266.102(e)(4)(i)(C)	335.221(a)(6)	x	
	in heading, change "paramenters" to "parameters"	266.102(e)(6)	335.221(a)(6)	x	
	change "means" to "mean"	266.102(e)(6)(i)(B) (1)(ii)	335.221(a)(6)	x	
	change "opeator"				

**RCRA REVISION CHECKLIST 94: Burning of Hazardous Waste in Boilers and
Industrial Furnaces; Corrections and Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
to "operator"	266.102(e)(6)(ii)	335.221(a)(6)	x		
remove "the most recent" before "one hour"; change "averages" to "average"; change "average period" to "averaging period"	266.102(e)(6)(ii)(B) (2)	335.221(a)(6)	x		
delete the comma after "266.106(f)"	266.102(e)(6)(iv)(B)	335.221(a)(6)	x		

INTERIM STATUS STANDARDS FOR BURNERS

insert "or" after "facilities to burn"	266.103(a)(1)(ii)	335.221(a)(7)	x		
insert "and" before "thallium"	266.103(b)(2)(ii)(A)	335.221(a)(10)	x		
replace "(b)(ii)(A)" with "(b)(2)(ii)(A)"	266.103(b)(2)(ii)(B)	335.221(a)(10)	x		
replace "(b)(ii)(B) or (b)(ii)(C)" with "(b)(2)(ii)(B) or (b)(2)(ii)(C)"	266.103(b)(2)(ii)(D)	335.221(a)(10)	x		
change "paticulate" to "particulate"	266.103(b)(2)(iv)	335.221(a)(10)	x		
change "equivalent" to "equivalent"; replace "." after "facility" with ";	266.103(b)(2)(v)(A) (5)	335.221(a)(10)	x		
change "HCl" (number "1") to "HCl" (letter "I")	266.103(b)(2)(vi)	335.221(a)(10)	x		
replace ";" after "streams" with ":	266.103(b)(3)(ii)	335.221(a)(10)	x		
change "meat" to "meet"	266.103(b)(5)(ii)(B)	335.221(a)(10)	x		
remove "the most recent" before "one hour"	266.103(b)(5)(ii)(B) (2)	335.221(a)(10)	x		
change "[the					

**RCRA REVISION CHECKLIST 94: Burning of Hazardous Waste in Boilers and
Industrial Furnaces; Corrections and Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
effective date of this rule] to "August 21, 1991"	266.103(b)(6)	335.224(5)	x		
delete "On or before August 21, 1992" and capitalize the "t" in "the"; insert "on or before August 21, 1992" after "Director"	266.103(c)	335.221(a)(11)	x		
add "and all applicable emissions standards"					
after "limits"	266.103(c)(1)	335.221(a)(11)	x		
change "light-weighted" to "light-weight"	266.103(c)(1)(iv)	335.221(a)(11)	x		
replace ";" after "(e))" with ":"	266.103(c)(1)(ix)	335.221(a)(11)	x		
change "system" to "systems"; replace ";" after "(e))" with ":"	266.103(c)(1)(xi)	335.221(a)(11)	x		
replace ";" after "(e)" with ":"	266.103(c)(1)(xii)	335.221(a)(11)	x		
change "test" to "testing"	266.103(c)(4)(i)(C)	335.221(a)(11)	x		
change "average" to "average"	266.103(c)(4)(ii)(B) (5)	335.221(a)(11)	x		
remove "the most recent" before "one hour"	266.103(c)(4)(iv)(C) (2)(ii)	335.221(a)(11)	a		
4 change the number "(1)" after "paragraph" to the letter "(I)"	266.103(c)(7)(i)(A)	335.221(a)(11)	a		
replace "to" after "waste burning" with "only for purposes of compliance testing (and pretesting to					

**RCRA REVISION CHECKLIST 94: Burning of Hazardous Waste in Boilers and
Industrial Furnaces; Corrections and Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
prepare for com- pliance testing)"	266.103(c)(7)(i)(B)	335.221(a)(11)	x		
insert "." after "HCl/Cl ₂ "	266.103(c)(7)(ii)(B) (1)(ii)	335.221(a)(11)	x		
change "or" after "emissions" to "of"	266.103(g)(1)	335.221(a)(13)	x		
STANDARDS TO CONTROL ORGANIC EMISSIONS					
in equation, change "(1-W _{out})/W _m " to "1 - (W _{out} /W _m)"	266.104(a)(1)	335.221(a)(15)	x		
change the "tetra-," after "to burn than" to "tetra-,"; change "paragraph (a)" to "paragraph (a)(1)"	266.104(a)(3)	335.221(a)(15)	x		
change "in Hazardous Waste Incinerators, Boilers, and Industrial Furnaces" to "for Incinerators, Boilers, and Industrial Furnaces Burning Hazardous Waste"	266.104(b)(2)	335.221(a)(15)	x		
add "Burning Hazardous Waste" after "Industrial Furnaces"; insert "and" between "CO" and "oxygen"	266.104(c)(3)	335.221(a)(15)	x		
insert "(PCDDs)" after "Dibenzo-p-Dioxins"; replace "." at the end of the sentence with ";	266.104(e)(1)	335.221(a)(15)	x		
replace "." at the end of the sentence after "TCDD" with ";	266.104(e)(2)	335.221(a)(15)	x		
insert "(" before "2.2"	266.104(e)(4)	335.221(a)(15)	x		

**RCRA REVISION CHECKLIST 94: Burning of Hazardous Waste in Boilers and
Industrial Furnaces; Corrections and Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
change "conducts" to "conduct"	266.104(f)(3)(iii)	335.221(a)(15)	x		
4 designate paragraph "(g)2." as "(g)(2)"	266.104(g)(2)	335.221(a)(15)	x		
STANDARDS TO CONTROL METALS EMISSIONS					
change "Evaluation Solid Waste" to "Evaluating Solid Waste"	266.106(a)	335.221(a)(17)	x		
in the equation, change "< 1.0" to " ≤ 1.0 " and change "nume" to "number"	266.106(b)(2)(i)	335.221(a)(17)	x		
insert "as defined in §266.102(e)(6)(ii)" between "hours" and "with"	266.106(b)(2)(ii)(B)	335.221(a)(17)	x		
insert "shall be used" at the end of the sentence before the period	266.106(b)(5)	335.221(a)(17)	x		
in the equation, change "K=physical stack height (meters)" to "H=physical stack height (meters)"; change "K=stack gas flow rate (m ³ /second)" to "V=stack gas flow rate (m ³ /second)"	266.106(b)(6)	335.221(a)(17)	x		
delete minus sign "-" after "AER(i)" in equation	266.106(c)(2)	335.221(a)(17)	x		
revise equation as indicated at 56 FR 32690, correction 57	266.106(d)(3)	335.221(a)(17)	x		
after "screening limit for" change "each" to					

**RCRA REVISION CHECKLIST 94: Burning of Hazardous Waste in Boilers and
Industrial Furnaces; Corrections and Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
"a" and "levels" to "level"	266.106(e)	335.221(a)(17)	x		
delete "; after "metal" in the introductory text	266.106(f)(2)(ii)	335.221(a)(17)	x		
change "ratio" to "ratios"	266.106(f)(2)(ii)(B)	335.221(a)(17)	x		

**STANDARDS TO CONTROL HYDROGEN CHLORIDE (HCl) AND CHLORINE GAS (Cl₂)
EMISSIONS**

change "paragraphs (b), (c), or (d)" to "paragraph (b) or (c)"	266.107(a)	335.221(a)(18)	x		
change "screen" in heading to "screening"	266.107(b)(2)	335.221(a)(18)	x		
change "screen" to "screening"	266.107(b)(3)	335.221(a)(18)	x		
change paragraph designated as "(i)" to "(1)"	266.107(d)(1)	335.221(a)(18)	x		
change paragraph designated as "(ii)" to "(2)"	266.107(d)(2)	335.221(a)(18)	x		
insert "limit" between "screening" and "provided"; change "Appendix I" to "Appendix II"	266.107(e)	335.221(a)(18)	x		
after "compliance with", change "his" to "this"	266.107(h)	335.223(b)	x		

SMALL QUANTITY ON-SITE BURNER EXEMPTION

change "Exemption" in heading to "Exempt"; change "section" to "subpart" in introductory text	266.108(a)	335.221(a)(19)	x		
insert "to" between					

**RCRA REVISION CHECKLIST 94: Burning of Hazardous Waste in Boilers and
Industrial Furnaces; Corrections and Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
"10.0" and "11.9" in first column of table	266.108(a)(1)	335.221(a)(19)	x		
change "<1.0" to "≤1.0" in equation; delete "," after "Allowable Quantity Burned"	266.108(c)	335.221(a)(19)	x		

LOW RISK WASTE EXEMPTION

change "of" after "Director" to "on"; replace apostrophe after "fuel" with an end quotation mark	266.109(a)(1)(i)	335.221(a)(20)	x		
change reference "(a)(iii)" to "(a)(2)(iii)"	266.109(a)(2)(iv)	335.221(a)(20)	x		
change "compounds" to "compounds"	266.109(a)(2)(iv)(A)	335.221(a)(20)	x		
insert "or adjusted Tier I" before "metals"	266.109(b)(2)	335.221(a)(20)	x		

WAIVER OF DRE TRIAL BURN FOR BOILERS

insert "the" between "volatility of" and "fuel"	266.110(f)(3)	335.221(a)(21)	x		
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REGULATION OF RESIDUES

4 designate "266.122" as "266.112"	266.112	335.221(a)(23)	x		
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APPENDIX I TO PART 266

TIER I AND TIER II FEED RATE AND EMISSIONS SCREENING LIMITS FOR METALS

in title to table, change "Carcinogenic" to "Noncarcinogenic" move the first column "Beryllium" under	Appendix I/Table I-A	335.221(a)	x		
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**RCRA REVISION CHECKLIST 94: Burning of Hazardous Waste in Boilers and
Industrial Furnaces; Corrections and Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
"Values for use in rural areas" to fifth column under "Values for use in urban areas"; change "9.6E+01" in second column under "Arsenic g/hr" for "Values for use in urban areas" for a Terrain adjusted effective stack height of 16 meters to "9.6E-01"	Appendix I/Table I-D	335.221(a)	x		
change "4.3-01" corresponding to Terrain adjusted effective stack height (m) of 12 meters in the second column to "4.3E-01"	Appendix I/Table I-E	335.221(a)	x		

APPENDIX II TO PART 266

TIER I FEED RATE SCREENING LIMITS FOR TOTAL CHLORINE

replace Appendix II as indicated at 56 FR 32690, correction 79	Appendix II	335.221(a)	x		
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APPENDIX III TO PART 266

TIER II EMISSION RATE SCREENING LIMITS FOR FREE CHLORINE AND HYDROGEN CHLORIDE

replace Appendix III as indicated at 56 FR 32691, correction 80	Appendix III	335.221(a)	x		
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APPENDIX IV TO PART 266

**RCRA REVISION CHECKLIST 94: Burning of Hazardous Waste in Boilers and
Industrial Furnaces; Corrections and Technical Amendments (cont'd)**

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

REFERENCE AIR CONCENTRATIONS

in first column of table
change "Methyl Ethyl
Ketone" to "Methyl
Ethyl Ketone"; change
"Metyl Parathion" to
"Methyl Parathion"

Appendix IV

335.221(a)

x

APPENDIX VII TO PART 266

HEALTH-BASED LIMITS FOR EXCLUSION OF WASTE-DERIVED RESIDUES

change "(mg/kg)" to
"(mg/L)" in the
heading of the third
column in table
entitled "Metals-
TCLP Extract
Concentration Limits";
add the following
entry to the end
of the table:

Appendix VII/
Metals Table

335.221(a)

x

Thallium | 7440-28-0 | 7xE+00

delete 8 lines
beginning with
"Thallium" and
ending with
"Thallium(I) sulfate"
from the table
entitled

"Nonmetals-Residue
Concentration Limits"

Appendix VII/
Nonmetals Table

335.221(a)

x

APPENDIX VIII TO PART 266

POTENTIAL PICs FOR DETERMINATION OF EXCLUSION OF WASTE-DERIVED RESIDUES

change "roform" to

**RCRA REVISION CHECKLIST 94: Burning of Hazardous Waste in Boilers and
Industrial Furnaces; Corrections and Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
"chloroform" and "robenzene" to "chlorobenzene" in the first column of the table	Appendix VIII/ PICs Table	335.221(a)	x		

APPENDIX IX TO PART 266

METHODS MANUAL FOR COMPLIANCE WITH THE BIF REGULATIONS

Burning Hazardous
Waste in Boilers
and Industrial
Furnaces (see

56 FR 32692-32795)	Appendix IX	335.221(a)	x
Determination of Enrichment Factor (see 56 FR 32796)	Appendix A to Appendix IX	335.221(a)	x

APPENDIX X TO PART 266

GUIDELINE ON AIR QUALITY MODELS (REVISED)

Guideline on Air
Quality Models (see

56 FR 32796-32819)	Appendix X	335.221(a)	x
Summaries of Preferred Air Quality Models (see	Appendix A to Appendix X	335.221(a)	x
56 FR 32819-32828)			
Summaries of Alternative Air Quality Models (see	Appendix B to Appendix X	335.221(a)	x
56 FR 32828-32849)			
Example Air Quality Analysis Checklist (see	Appendix C to Appendix X	335.221(a)	x
56 FR 32849-32852)			

PART 270 - EPA ADMINISTERED PERMIT PROGRAMS: THE HAZARDOUS WASTE

**RCRA REVISION CHECKLIST 94: Burning of Hazardous Waste in Boilers and
Industrial Furnaces; Corrections and Technical Amendments (cont'd)**

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

PERMIT PROGRAM

SUBPART B - PERMIT APPLICATION

**SPECIFIC PART B INFORMATION REQUIREMENTS FOR BOILERS AND INDUSTRIAL
FURNACES BURNING HAZARDOUS WASTE**

change "Methods for the Evaluation of" to "Methods for Evaluating"	270.22(a)(2)(ii)(B)	305.50(4)(A)	x
change the reference "(a)(1)(ii)(B)" to "(a)(2)(ii)(B)"	270.22(a)(2)(ii)(C)	305.50(4)(A)	x
change "feestocks" to "feedstocks"	270.22(a)(5)(vii)	305.50(4)(A)	x
change "trial" to "trial"; before "other compliance tests" change "from from" to "from"	270.22(a)(6)	305.50(4)(A)	x
change "minimize" to "minimize"	270.22(b)(1)	305.50(4)(A)	x

SUBPART D - CHANGES TO PERMITS

9 PERMIT MODIFICATION AT THE REQUEST OF THE PERMITEE

replace "270.21" with "270.22" and "and 270.63" with "270.63 and 270.66"	270.42(c)(1)(iv)	305.69(d)(1)(D)	x
change "wates" to "wastes"	270.42(g)(1)	305.69(h)(1)	x
change "effetive" to "effective"	270.42(g)(1)(i)	305.69(h)(1)(A)	x

**RCRA REVISION CHECKLIST 94: Burning of Hazardous Waste in Boilers and
Industrial Furnaces; Corrections and Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
delete "In the case of Classes 2 and 3 modifications,"; capitalize the "t" in "the"; insert "Class 2 or 3" before "modification"	270.42(g)(1)(iv)	305.69(h)(1)(D)	x		
in "L.5." replace "." after "requirements" with ":	270.42/Appendix I	305.69(i).L.5	x		

SUBPART F - SPECIAL FORMS OF PERMITS

PERMITS FOR BOILERS AND INDUSTRIAL FURNACES BURNING HAZARDOUS WASTE

change "operation readiness" to "operational readiness"	270.66(b)(1)	305.572(1)	x		
change "107" to "266.107"	270.66(b)(4)	305.572(1)	x		
change "for the Evaluation of Solid Waste" to "for Evaluating Solid Waste"	270.66(c)(2)(i)	305.572(2)	x		
change "for the Evaluation of Solid Waste" to "for Evalua- ting Solid Waste"	270.66(c)(2)(ii)	305.572(2)	x		
delete "and" after "system(s):"	270.66(c)(3)(vi)	305.572(2)	x		
insert "air" before "pollution"	270.66(c)(3)(vii)	305.572(2)	x		
replace "." after "standard" with ":	270.66(f)(3)	305.572(5)	x		
replace "is" after "performance"					

**RCRA REVISION CHECKLIST 94: Burning of Hazardous Waste in Boilers and
Industrial Furnaces; Corrections and Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
"performance standards" with "in"	270.66(f)(8)	305.572(5)	x		

SUBPART G - INTERIM STATUS

10 TERMINATION OF INTERIM STATUS

change "as" after "which" to "has"	270.73(f)	305.42(h), 335.43(h)	x
change "as" after "which" to "has"	270.73(g)	305.42(h), 335.43(h)	x

¹ Note that the July 17, 1991 Federal Register notice incorrectly redesignated paragraph (d)(3) as (d)(4) and paragraph (d)(4) as (d)(5). The Federal code does not include 261.2(d)(3) or 261.2(d)(4). The technical correction addressed by the August 27, 1991 (56 FR 42504; Revision Checklist 96) fixes this error. The amendatory language should be as originally stated in the February 21, 1991 Federal Register at 56 FR 7206 (Revision Checklist 85) and should read: "Section 261.2 is amended by redesignating paragraph (d)(2) as (d)(3) and adding new paragraph (d)(2) to read as follows:"

² Note that the Federal Register addressed by this checklist references "261.3(c)(2)(ii)(8)." This is a typographical error; the correct reference is "261.3(c)(2)(ii)(B)." See the technical correction at 56 FR 42512 (August 27, 1991; Revision Checklist 96).

³ Note that there is a typographical error in the July 17, 1991 Federal Register (56 FR 32692). The "\$266.4" in the heading should be "\$266.40." See the technical correction at 56 FR 42512 (August 27, 1991; Revision Checklist 96).

⁴ Note that this technical correction found in the July 17, 1991 Federal Register (56 FR 32688) was addressed in Revision Checklist 85. However, it is included in this checklist for completeness.

⁵ Note that the July 17, 1991 Federal Register italicized the subparagraph designation in order to be consistent with the format in which the designation of a citation beyond a certain subparagraph is italicized.

⁶ There is a typographical error in the July 17, 1991 Federal Register. The amendatory language should read "insert a "(" between the words "a" and "before." See technical correction at 56 FR 42512 (August 27, 1991; Revision Checklist 96).

⁷ Note that the Federal Register addressed by this checklist has a typographical error at 56 FR 32786. In section 9.2, first bullet under paragraph "2", ">=0.95" should be "<=0.95." See the technical correction at 56 FR 42512 (August 27, 1991; Revision Checklist 96).

RCRA REVISION CHECKLIST 94: Burning of Hazardous Waste in Boilers and Industrial Furnaces; Corrections and Technical Amendments (cont'd)

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

- ⁸ Note that the Federal Register addressed by this checklist has typographical errors at 56 FR 32786. In section 9.2, paragraph "3", the last sentence should read (corrections are underlined): "Then for HCl, convert the chlorine emission rate to HCl by multiplying it by the ratio of the molecular weight of HCl to the molecular weight of Cl (i.e., 36.5/35.5)." See the technical correction at 56 FR 42512 (August 27, 1991; Revision Checklist 96).
- ⁹ States only need to make these changes if they have adopted, or plan to adopt, the provisions addressed by Revision Checklist 54 (53 FR 37912), because 270.42 is not required by 271.14 to be part of a State's permitting program.
- ¹⁰ Note that there is a typographical error in the July 17, 1991 Federal Register (56 FR 32692). The "\$270.33" in the heading should be "\$270.73." See the technical correction at 56 FR 42512 (August 27, 1991; Revision Checklist 96).

RCRA REVISION CHECKLIST 95

Land Disposal Restrictions for
Electric Arc Furnace Dust (K061)
56 FR 41164-41178
August 19, 1991
(RCRA Cluster II, HSWA Rule)

Note: This checklist revises and finalizes treatment standards for K061 nonwastewaters in the high zinc subcategory originally regulated in the First Third Land Disposal Restrictions rule addressed by Revision Checklist 50 (53 FR 31138; August 17, 1988). Other related checklists include Revision Checklist 62 (54 FR 18836; May 2, 1989) and Revision Checklist 66 (54 FR 36967; September 6, 1989), as these two checklists amended and corrected Revision Checklist 50.

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 A - GENERAL

DEFINITION OF HAZARDOUS WASTE

† add new paragraph
which excludes as
hazardous waste
certain
nonwastewater
residues resulting
from high tempera-
ture metals recovery
processing of K061
waste; generic
exclusion levels;
testing requirements;
notification and
certification
requirements for
each shipment of
certain K061 HTMR
residues sent to a
subtitle D unit

261.3(c)(2)(ii)(C)

335.1

x

EXCLUSIONS

**RCRA REVISION CHECKLIST 95: Land Disposal Restrictions for
Electric Arc Furnace Dust (K061) (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
add new paragraph which excludes as solid waste nonwastewater splash condenser dross residue from the treatment of K061 in high temperature metals recovery units, provided it is shipped in drums and not land disposed before recovery	261.4(a)(11)	335.1	x		

PART 268 - LAND DISPOSAL RESTRICTIONS

SUBPART D - TREATMENT STANDARDS

TREATMENT STANDARDS EXPRESSED AS CONCENTRATIONS IN WASTE EXTRACT

in Table CCWE revise entry for K061, high zinc subcategory as shown below (see 56 FR 41177)	268.41(a)/ Table CCWE	335.431(c)(1)	x		
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at end of paragraph add "except that mixtures of high and low zinc nonwastewater K061 are subject to the treatment standard for high zinc K061"	268.41(b)	335.431(c)(1)	x		
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TREATMENT STANDARDS EXPRESSED AS SPECIFIED TECHNOLOGIES

RCRA REVISION CHECKLIST 95: Land Disposal Restrictions for
Electric Arc Furnace Dust (K061) (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
in Table 2 remove entry for K061	268.42(a)/Table 2	335.431(c)(1)	x		

RCRA REVISION CHECKLIST 96

Burning of Hazardous Waste in
Boilers and Industrial Furnaces; Technical Amendments II
56 FR 42504-42517
August 27, 1991
(RCRA Cluster II, HSWA and non-HSWA provisions)

Notes: 1) The notice addressed by this checklist makes several technical amendments to the final rule addressed by Revision Checklist 85 (56 FR 7134, February 21, 1991) and Revision Checklist 94 (56 FR 32688, July 17, 1991). These revisions provide clarification and correct unintended consequences of the Boilers and Industrial Furnaces (BIF) rule. This notice also adds two new appendices, Appendix XI and Appendix XII, to the code. Technical corrections to several sections (i.e., 261.2(d), 261.3(c)(2)(ii)(B), 266.103(a)(5)(i)(D), 266.103(b)(5)(i)(A) and Appendix IX to Part 266) were already addressed in Revision Checklist 94. However, for completeness, these corrections (except the incorrect referral to 261.3(c)(2)(ii)(8) instead of 261.3(c)(2)(ii)(B)) are repeated in this checklist and identified in the endnotes. Technical corrections which address only the italicizing format of a citation (266.102(e)(4)(ii)(C)(I), 266.102(e)(4)(ii)(C)(2), 266.102(e)(4)(ii)(C)(3), (266.102(e)(4)(iii)(C)(I) and 266.102(e)(4)(iii)(C)(2)) are not included in this checklist.

2) Note that the Federal Register for this rule corrects typographical errors in certain headings at 56 FR 32692 in the July 17, 1991 Federal Register (Revision Checklist 94) [i.e., the "\$266.4" should be "\$266.40", and the "\$270.33" should be "\$270.73"]. However, no additional changes were made to the paragraphs by this rule, therefore they have not been included in this revision checklist.

3) Note that on September 5, 1991 (56 FR 43874; Revision Checklist 98), an administrative stay was published affecting the February 21, 1991 (56 FR 7134; Revision Checklist 85) final rule. The changes addressed by that administrative stay are optional.

4) States which are not authorized for Revision Checklists 85 and 94 are strongly encouraged to adopt these present technical corrections at the same time the requirements addressed by Revision Checklists 85 and 94 are adopted. States already authorized for the provisions addressed by Revision Checklists 85 and 94 should adopt these present technical corrections as soon as possible.

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 A - GENERAL

**RCRA REVISION CHECKLIST 96: Burning of Hazardous Waste in
Boilers and Industrial Furnaces; Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
DEFINITION OF SOLID WASTE					
at the end of paragraph, add exception for brominated material that meets certain criteria	261.2(d)(2)	335.1	x		
material must contain a bromine concentration of at least 45%	261.2(d)(2)(i)	335.1	x		
material must contain less than a total of 1% of toxic organic compounds listed in Appendix VIII	261.2(d)(2)(ii)	335.1	x		
material is processed continually on-site in the halogen acid furnace via direct conveyance	261.2(d)(2)(iii)	335.1	x		

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

SUBPART G - CLOSURE AND POST-CLOSURE

CLOSURE PLAN: AMENDMENT OF PLAN

remove introductory clause; restructure paragraph to create (d)(2), (d)(2)(i) and remove last sentence replacing it with "; or"; add (d)(2)(ii) addressing provisions for units meeting 265.113(d)	265.112(d)(2)	335.112(a)(6)	x		
	265.112(d)(2)(i)	335.112(a)(6)	x		

**RCRA REVISION CHECKLIST 96: Burning of Hazardous Waste in
Boilers and Industrial Furnaces; Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
requirements	265.112(d)(2)(ii)	335.112(a)(6)	x		

CLOSURE: TIME ALLOWED FOR CLOSURE

2	add text regarding the final volume of nonhazardous waste; remove text regarding the 90-day requirement for a boiler or industrial furnace	265.113(a)	335.112(a)(6)	x	
2	add text regarding the final volume of nonhazardous waste; remove text regarding the 90-day requirement for a boiler or industrial furnace	265.113(b)	335.112(a)(6)	x	

**PART 266 - STANDARDS FOR THE MANAGEMENT OF SPECIFIC HAZARDOUS WASTES
AND SPECIFIC TYPES OF HAZARDOUS WASTE MANAGEMENT FACILITIES**

SUBPART H - HAZARDOUS WASTE BURNED IN BOILERS AND INDUSTRIAL FURNACES

APPLICABILITY

add "(f)" to list of references in the first sentence	266.100(a)	335.221(a)((1)	x		
add text restricting exemption to metal recovery furnaces and subjecting an owner or operator of a lead or a nickel-chromium recovery furnace, or certain metal recovery furnaces					

**RCRA REVISION CHECKLIST 96: Burning of Hazardous Waste in
Boilers and Industrial Furnaces; Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
to 266.100(c)(3) requirements	266.100(c)(1)	335.221(a)(1)	x		
add text regarding alternative methods that meet or exceed SW-846 method performance capabilities; situation where "best available method" is used	266.100(c)(1)(ii)	335.221(a)(1)	x		
replace "as-generated" with "as-fired"; add additional text regarding the reduction of organic compound concentration to the 500 ppm limit by bona fide treatment; blending for dilution to meet the 500 ppm limit is prohibited; retention of documentation in records required by 266.100(c)(1)(iii)	266.100(c)(2)(i)	335.221(a)(1)	x		
replace "as-generated" with "as-fired"; add additional text regarding the reduction of the heating value to below 5,000 Btu/lb by bona fide treatment; blending for dilution to meet the 5,000 Btu/lb limit is prohibited;					

**RCRA REVISION CHECKLIST 96: Burning of Hazardous Waste in
Boilers and Industrial Furnaces; Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
retention of documentation in records required by <u>266.100(c)(1)(iii)</u>	<u>266.100(c)(2)(ii)</u>	<u>335.221(a)(1)</u>	<u>x</u>		
add new paragraph regarding requirements for exemption from 266.102 through 266.111 for owner or operator of certain metal recovery furnaces; written notice to director; <u>266.100(c)(1)</u> <u>compliance</u>	<u>266.100(c)(3)</u>	<u>335.221(a)(1)</u>	<u>x</u>		
exemption from <u>266.100(c)(1)</u> requirements for hazardous wastes listed in Appendices XI and XII, Part 266, and baghouse bags used to capture metallic dusts emitted by steel manufacturing, provided:	<u>266.100(c)(3)(i)</u>	<u>335.221(a)(1)</u>	<u>x</u>		
waste contains recoverable levels of specified metals	<u>266.100(c)(3)(i)(A)</u>	<u>335.221(a)(1)</u>	<u>x</u>		
waste does not exhibit the Toxicity Characteristic of 261.24 for an organic constituent	<u>266.100(c)(3)(i)(B)</u>	<u>335.221(a)(1)</u>	<u>x</u>		
waste is not a hazardous waste listed in Part 261 Subpart D because it is listed for an					

**RCRA REVISION CHECKLIST 96: Burning of Hazardous Waste in
Boilers and Industrial Furnaces; Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
organic constituent as identified in Appendix VII of Part 261	266.100(c)(3)(i)(C)	335.221(a)(1)	x		
certification by owner or operator under 266.100(c)(3) regarding hazardous waste; sampling and analysis or other information to assure compliance; sampling and analysis con- ducted according to 266.100(c)(1)(ii); maintain records to document compliance with (c)(3) for at least three years	266.100(c)(3)(i)(D)	335.221(a)(1)	x		
basis for case-by-case decisions regarding toxic organic constituents; metal recovery furnace subject to Subpart H require- ments after adequate notice and opportunity for comment; factors Director will consider:	266.100(c)(3)(ii)	335.221(a)(1)	x		
concentration and toxicity of organic constituents in the material	266.100(c)(3)(ii)(A)	335.221(a)(1)	x		
level of destruction of toxic constituents provided by the furnace	266.100(c)(3)(ii)(B)	335.221(a)(1)	x		

RCRA REVISION CHECKLIST 96: Burning of Hazardous Waste in
Boilers and Industrial Furnaces; Technical Amendments (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
acceptable ambient levels established in Appendices IV or V exceeded for any toxic organic compound that may be emitted based on certain conditions	266.100(c)(3)(ii)(C)	335.221(a)(1)	x		
conditional exemption from Subpart H requirements for owners or operators of certain smelting, melting, and refining furnaces, except for 266.112; to be exempt from 266.101 through 266.111, an owner or operator must:	266.100(f)	335.221(a)(1)	x		
provide a one-time written notice indicating:	266.100(f)(1)	335.221(a)(1)	x		
owner or operator claims 266.100(f) exemption	266.100(f)(1)(i)	335.221(a)(1)	x		
hazardous waste is burned for legitimate recovery of precious metal	266.100(f)(1)(ii)	335.221(a)(1)	x		
compliance with 266.100(f) sampling and analysis and recordkeeping requirements	266.100(f)(1)(iii)	335.221(a)(1)	x		
sample and analyze hazardous waste as necessary using specified procedures	266.100(f)(2)	335.221(a)(1)	x		
maintain specified					

**RCRA REVISION CHECKLIST 96: Burning of Hazardous Waste in
Boilers and Industrial Furnaces; Technical Amendments (cont'd)**

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

records at facility for at least three years	266.100(f)(3)	335.221(a)(1)	x		
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PERMIT STANDARDS FOR BURNERS insert sentence

regarding alternative methods and best available method after "...see §260.11 of this chapter)."	266.102(b)(1)	335.221(a)(3)	x		
replace "for not less than three years" with "until closure of the facility"	266.102(e)(10)	335.221(a)(6)	x		

INTERIM STATUS STANDARDS FOR BURNERS

replace "Hazardous waste listed for dioxin or derived from any of the following dioxin-listed wastes" with "The following hazardous waste listed for dioxin and hazardous waste derived from any of these wastes" at the beginning of paragraph	266.103(a)(3)	335.221(a)(7)	x		
replace "and" after "discharged" with "or"	266.103(a)(5)	335.221(a)(9)	x		
change "(c)(7)(ii)" to "(c)(5)"	266.103(a)(5)(i)(D)	335.221(a)(9)	x		
replace "as-generated" with "as-fired"; remove parentheses around the phrase beginning with "and so is..." and add period at end of phrase; insert text regarding 1) the reduction of the					

**RCRA REVISION CHECKLIST 96: Burning of Hazardous Waste in
Boilers and Industrial Furnaces; Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
concentration of nonmetal compounds to the 500 ppm limit by bona fide treat- ment, and 2) blending for dilution to meet the 500 ppm limit prohibited; retention of documentation in facility record	266.103(a)(5)(ii)(A)	335.221(a)(9)	x		
remove "as-generated or" before "as-fired"; remove parentheses around the phrase beginning with "and so is..."; add text regarding 1) the reduction of the heating value of a waste as-generated to below 5,000 Btu/lb limit by bona fide treatment, and 2) blending to augment heating value to meet the 5,000 Btu/lb limit prohibited; retention of documentation in facility record	266.103(a)(5)(ii)(B)	335.221(a)(9)	x		
restructure paragraph by breaking it into (a)(6), and (a)(6)(i)-(iv) and revising old 266.103(a)(6) as follows: remove verbiage between "not feed hazardous waste" and "that has					

**RCRA REVISION CHECKLIST 96: Burning of Hazardous Waste in
Boilers and Industrial Furnaces; Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
a heating value less"; revise rest of para- graph after "5,000 Btu/lb; as generated" by replacing it with parenthetical phrase addressing situation where 5,000 Btu/lb limit can be exceeded; exceptions: paragraphs as indicated below	266.103(a)(6)	335.221(a)(9)	x		
hazardous waste burned solely as an ingredient	266.103(a)(6)(i)	335.221(a)(9)	x		
hazardous waste burned for purposes of compliance testing for a total period of time not to exceed 720 hours	266.103(a)(6)(ii)	335.221(a)(9)	x		
waste burned if Director has documentation to show that, prior to August 21, 1991:	266.103(a)(6)(iii)	335.221(a)(9)	x		
boiler or industrial furnace operating under Part 265, Subpart O or P requirements	266.103(a)(6)(iii)(A)	335.221(a)(9)	x		
boiler or industrial furnace met 270.70 interim status eligibility requirements for Part 265, Subpart O or Subpart P	266.103(a)(6)(iii)(B)	335.221(a)(9)	x		
hazardous waste with a heating value less than					

**RCRA REVISION CHECKLIST 96: Burning of Hazardous Waste in
Boilers and Industrial Furnaces; Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
5,000 Btu/lb burned prior to <u>August 21, 1991</u> such waste burned in halogen acid furnace if waste burned as an excluded ingredient under 261.2(e) prior to February 21, 1991 and documentation kept on file	266.103(a)(6)(iii)(C)	335.221(a)(9)	x		
3 insert "and recorded" after "monitored"	266.103(a)(6)(iv)	335.221(a)(9)	x		
remove "operating" before "record"; insert "records and" before "locations"	266.103(b)(5)(i)(A)	335.221(a)(10)	x		
insert "The administrative record kept by the" before "Agency" at the beginning of the paragraph	266.103(b)(6)(viii)	335.224(5)(H)	x		
insert "The BIF correspondence file kept at" before "The facility"; add sentence specifying what the correspondence file must include	266.103(b)(6)(viii)(A)	335.224(5)(H)(i)	x		
insert "and the applicable emissions standards of §§ 266.104(b) through (e), 266.105, 266.106, 266.107, and 266.103(a)(5)(i)(D)" after "operating limits";	266.103(b)(6)(viii)(B)	335.224(5)(H)(ii)	x		

**RCRA REVISION CHECKLIST 96: Burning of Hazardous Waste in
Boilers and Industrial Furnaces; Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
remove "until an operating permit is issued" from the end of the paragraph at end add text regarding case-by-case approval to use compliance test data from one unit in lieu of testing a similar on-site unit; information required to support owner or operator request; approval based on meeting 266.103(c) requirements	266.103(c)(1)	335.221(a)(11)	x		
add text regarding criteria for compliance with 266.103(l), 265.112(d)(2) and 265.113 provisions	266.103(c)(3)(i)	335.224(7)	x		
replace "for a period of three years" with "until closure of the boiler or industrial furnace unit"	266.103(e)	335.224(14)	x		
	266.103(k)	335.221(a)(14)	x		

STANDARDS TO CONTROL ORGANIC EMISSIONS

insert "(" before "2.2"	266.104(e)(4)	335.221(a)(15)	x		
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SMALL QUANTITY ON-SITE BURNER EXEMPTION

replace "volume basis" with "total heat input or mass input basis, whichever results in the lower mass					
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**RCRA REVISION CHECKLIST 96: Burning of Hazardous Waste in
Boilers and Industrial Furnaces; Technical Amendments (cont'd)**

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

feed rate of hazardous waste"	266.108(a)(2)	335.221(a)(19)	x
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LOW RISK WASTE EXEMPTION

replace "of" after "Director" with "on"; replace "volume input" with "mass input"; replace "larger volume" with "greater mass feed rate"	266.109(a)(1)(i)	335.221(a)(20)	x
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WAIVER OF DRE TRIAL BURN FOR BOILERS

replace "the boiler" with "the device"; replace "volume input" with "mass input"; replace "larger volume" with "greater mass feed rate"	266.110(a)	335.221(a)(21)	x
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STANDARDS FOR DIRECT TRANSFER

add text regarding compliance with specified maintenance and protective distances requirements in lieu of 265.176 requirements; written certification by local Fire Marshall to be kept on file	266.111(d)(2)	335.221(a)(22)	x
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REGULATION OF RESIDUES

replace existing
paragraph with
"Boilers must burn
at least 50% coal on
a total heat input or

**RCRA REVISION CHECKLIST 96: Burning of Hazardous Waste in
Boilers and Industrial Furnaces; Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
mass input basis, whichever results in the greater mass feed rate of coal;"	266.112(a)(1)	335.221(a)(23)	x		
replace "composite samples" with "samples representing a minimum of 10 days of operation"; add sentence regarding compositing period not to exceed 24 hours; replace "The upper 95 % confidence level about the mean" in second sentence with "The upper tolerance limit (at 95 % confidence with a 95 % proportion of the sample distribution)"; replace "upper 95 % confidence level about the mean" in last sentence with "upper tolerance limit"	266.112(b)(1)(i)	335.221(a)(23)	x		
replace existing paragraph with new paragraph regarding sampling and analysis of waste-derived residue to determine whether residue generated during each 24-hour period has concen- trations of toxic					

**RCRA REVISION CHECKLIST 96: Burning of Hazardous Waste in
Boilers and Industrial Furnaces; Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
constituents higher than 266.112(b)(1)(i) normal residue concentrations; if so, residue not excluded from definition of hazardous waste; toxic constituent concentrations based on analysis of samples obtained over 24-hour period; for multiple samples, concentration of toxic constituent is arithmetic mean; no results may be disregarded	266.112(b)(1)(ii)	335.221(a)(23)	x		
add new paragraph regarding sampling and analysis of waste-derived residue to determine whether residue generated during each 24-hour period has concentrations of toxic constituents higher than health-based levels; determination of toxic concentrations based on analysis of one or more samples obtained over 24-hour period; for multiple samples, concentration of toxic constituent is arithmetic mean of concentrations in samples; no results					

**RCRA REVISION CHECKLIST 96: Burning of Hazardous Waste in
Boilers and Industrial Furnaces; Technical Amendments (cont'd)**

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
may be disregarded	266.112(b)(2)(iii)	335.221(a)(23)	x		
replace "must" with "shall"; replace "for a period of three years" with "until closure of the boiler or industrial furnace unit"	266.112(c)	335.221(a)(23)	x		

APPENDIX IX TO PART 266

METHODS MANUAL FOR COMPLIANCE WITH THE BIF REGULATIONS

replace section 7.0, "Statistical Methodology for Bevill Residue Determinations," with new text given at 56 FR 42516 & 42517	Appendix IX/ Section 7.0	335.221(a)			
change " ≥ 0.95 " to " ≤ 0.95 " in section 9.2, first bullet under paragraph "2"; in section 9.2, paragraph "3", change the ending phrase of the last sentence to "ratio of molecular weight of HCl to the molecular weight of Cl (i.e., 36.5/35.5)"	Appendix IX/ Section 9.2	335.221(a)	x		

APPENDIX XI TO PART 266

LEAD-BEARING MATERIALS THAT MAY BE PROCESSED IN EXEMPT LEAD SMELTERS

add new appendix

RCRA REVISION CHECKLIST 96: Burning of Hazardous Waste in
Boilers and Industrial Furnaces; Technical Amendments (cont'd)

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:		
			EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
addressing lead-bearing materials that may be processed in exempt lead smelters, see 56 FR 42517	Appendix XI	335.221(a)			

APPENDIX XII TO PART 266

NICKEL OR CHROMIUM-BEARING MATERIALS THAT MAY BE PROCESSED IN EXEMPT NICKEL-CHROMIUM RECOVERY FURNACES

add new appendix
addressing nickel or
chromium-bearing
materials that may be
processed in exempt
nickel-chromium
recovery furnaces,
see 56 FR 42517

Appendix XII

335.221(a)

- ¹ Note that the July 17, 1991 Federal Register notice incorrectly redesignated paragraph (d)(3) as (d)(4) and paragraph (d)(4) as (d)(5). The Federal code does not include 261.2(d)(3) or 261.2(d)(4). The technical correction addressed by the August 27, 1991 (56 FR 42504; Revision Checklist 96) fixes this error. The amendatory language should be as originally stated in the February 21, 1991 Federal Register at 56 FR 7206 (Revision Checklist 85) and should read: "Section 261.2 is amended by redesignating paragraph (d)(2) as (d)(3) and adding new paragraph (d)(2) to read as follows:"
- ² Note that the technical corrections addressed by the August 27, 1991 Federal Register for this rule reverse the corrections made by the February 21, 1991 notice (56 FR 7134; Revision Checklist 85). The August 27, 1991 language is the same as the language in the July 1990 CFR. Thus, effectively the technical corrections addressed by Revision Checklist 85 for these citations have been nullified by this checklist.
- ³ Note that the technical correction found in the August 27, 1991 Federal Register (56 FR 42504) was addressed in Revision Checklist 85. However, it is included in this checklist for completeness
- ⁴ Note that this technical correction found in the August 27, 1991 Federal Register (56 FR 42504) was addressed in Revision Checklist 94. However, it is included in this checklist for completeness.

RCRA REVISION CHECKLIST 97

Exports of Hazardous Waste; Technical Correction

56 FR 43704-43705

September 4, 1991

(RCRA Cluster II, HSWA provisions)

Note: This Revision Checklist amends §262.53 and §262.56 originally introduced into the code by Revision Checklist 31 (August 8, 1986; 51 FR 28664), by changing the office to which notifications of export activities and annual export reports must be sent.

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 E - EXPORTS OF HAZARDOUS WASTE

NOTIFICATION OF INTENT TO EXPORT

replace "Office of
International
Activities (A-106),
EPA" with "Office
of Waste Programs
Enforcement, RCRA
Enforcement Division
(OS-520),
Environmental
Protection Agency"

262.53(b)

335.76(b)(1)

x

replace "Office of
International
Activities (A-106)"
with "Office of Waste
Programs Enforce-
ment, RCRA Enforce-
ment Division
(OS-520),
Environmental
Protection Agency"

262.56(b)

335.9

x