US ERA ARCHIVE DOCUMENT

RCRA REVISION CHECKLIST 94

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

56 FR 32688-32852

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 <u>Federal Register</u> where the designation of a citation beyond a certain subparagraph is italicized. This format was not consistently used in the February 21, 1991 <u>Federal Register</u> (Revision Checklist 85). Subsequently, the July 17, 1991 <u>Federal Register</u> (Revision Checklist 94) corrected several of the formatting errors found in the February 21, 1991 <u>Federal Register</u>. 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)(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 <u>FR</u> 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.

	FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV- MORE BROADER ALENT STRINGENT IN SCOPE
	PART 261	- IDENTIFICATION AND	LISTING OF HAZA	ARDOUS WASTE
1		SUBPART /	A - GENERAL	
	DEFINITION OF HAZAR	DOUS WASTE		
2	replace "261.6(a)(3)(v) through (ix)" with "261.6(a)(3)(v) through (viii)"	261.3(c)(2)(ii)(B)	HWMR-7 Part II §201	Х
	REQUIREMENTS FOR F	RECYCLABLE MATERIA	LS	
	replace the letter "G" with "H"	261.6(a)(2)	HWMR-7 Part II §201	X
	replace "Subpart D" with "Subpart H"	261.6(a)(2)(ii)	11	11
		RIM STATUS STANDAR WASTE TREATMENT,		AND OPERATORS OF SPOSAL FACILITIES
		SUBPART P - THE	ERMAL TREATMEN	Т
	OTHER THERMAL TREA	ATMENT		
	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	HWMR-7 Part VI §601	X

			ANALOGOUS	STATE ANALOG IS: EQUIV- MORE BROADER
	FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	STATE CITATION	EQUIV- MORE BROADER [ALENT STRINGENT IN SCOPE
		ARDS FOR THE MANAG C TYPES OF HAZARDO		FIC HAZARDOUS WASTES GEMENT FACILITIES
	SUBPA	ART E - USED OIL BUR	NED FOR ENERGY	RECOVERY
	APPLICABILITY			
3	replace "Subpart D			
	of Part 266" with		1 62 10 450 ***	V
	"Subpart H of		HWMR-7	X
	Part 266"	266.40(c)	Part VII §701	
3	replace "Subpart D"		11	11
	with "Subpart H"	266.40(d)		
	SUBPART H - HAZA	RDOUS WASTE BURNE	ED IN BOILERS AND	D INDUSTRIAL FURNACES
	APPLICABILITY			
	replace the "." after		HWMR-7	X
	"recovery" with a ";"	266.100(b)(2)	Part VII §701	
	replace "chapter."		11	18
	with "chapter; and"	266.100(b)(3)		
	PERMIT STANDARDS F	OR BURNERS		
	change "the			
	Evaluation of Solid			•
	Waste" to "Evaluating		19	11
	Solid Waste"	266.102(b)(1)		
4	redesignate old			
	"(d)(4)(iii)(D)"		ès	88
	as "(d)(4)(iv)"	266.102(d)(4)(iv)		
	insert "A" before	000 400/->//>/	11	88
	"sampling"	266.102(e)(4)(i)(C)		
	in heading, change		88	
	"paramenters"	000 400(5)(0)	56	ve
	to "parameters"	266.102(e)(6)		
	change "means"	266.102(e)(6)(i)(B)	18	18
	to "mean"	(1)(ii)		
	change "opeator"	266 102(6)(6)(ii)	18	88
	to "operator"	266.102(e)(6)(ii)		

***************************************					STATE ANALO	
1	FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- I ALENT	MORE STRINGENT I	BROADER IN SCOPE
quisinna	COCUME DEGOINEMENT	1				.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
5 rai	move "the most					
-	cent" before "one					
	our"; change					
	verages" to					
	verages to verage"; change					
	verage , change verage period" to	266.102(e)(6)(ii)(B)	HWMR-7	χ		
	verage period to veraging period"	(<i>2</i>)	Part VII §701	,,		
	lete the comma	12/	11	ii	The state of the s	Markeyon, or conservation become
	er "266.106(f)"	266.102(e)(6)(iv)(B)	11	15		
an	El 200.100(I)	200.102(e)(0)(IV)(D)	MANAGERIA (MANAGERIA) AND CONTROL OF THE CONTROL OF	CONTRACTOR OF THE STATE OF THE		
IN.	TERIM STATUS ST	ANDARDS FOR BURNERS				
-	sert "or" after		HWMR-7	Χ	To the state of th	
	cilities to burn"	266.103(a)(1)(ii)	Part VII §701	Λ		
	sert "and"		11	. 11	W-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
	fore "thallium"	266.103(b)(2)(ii)(A)				
	place "(b)(ii)(A)"	25055(5)(2)(1)(7).//	11	11	MATERIAL PROPERTY AND ASSESSMENT OF THE PROPERTY OF THE PROPERTY ASSESSMENT OF THE PROPERTY OF THE PROPERTY ASSESSMENT OF THE PROPERTY ASSESSMENT OF THE PRO	
	th "(b)(2)(ii)(A)"	266.103(b)(2)(ii)(B)				
	place "(b)(ii)(B) or	200.100(0)(2)(1)(0)	Water the second			
/h)	(ii)(C)" with					
)(2)(ii)(B) or		11	l į		
	(2)(ii)(C)"	266.103(b)(2)(ii)(D)				
	ange "paticulate"	200:100(0)(2)(1)(0)				Mary Particular and P
	"particulate"	266.103(b)(2)(iv)	88	13		
	ange "eqivalent" to	200.100(0)(2)(17)				
	quivalent"; replace					
	after "facility"	266.103(b)(2)(v)(A)	88	ii		
	h ";"	(5)				
	ange "HC1"				Name of the Control o	•
	ange 1101 umber"1") to		88	11		
	CI" (letter "I")	266.103(b)(2)(vi)	18	**		
	place ";" after	200.100(0)(2)(4))	11	11		
	reams" with ":"	266.103(b)(3)(ii)	••	**		
	ange "meat"	200.103(b)(3)(11)	10	9.1		
		266.103(b)(5)(ii)(B)		**		
	"meet" nove "the most	200.100(0)(0)(1)(1)				
	cent" before	266 102/b\/5\/ii\/B\	88	9 8		
	ent before ne hour"	266.103(b)(5)(ii)(B)	••	••		
		(2)				
	ange "(the					
	ective date		88	8.6		
	this rule]" to	266 102/b\/c\				
<u>"Al</u>	ugust 21, 1991"	266.103(b)(6)				

				STATE ANALO	G IS:
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
delete "On or before					
August 21, 1992" and					
capitalize the "t" in "the"; insert "on or					
before August 21,		HWMR-7	Χ		
1992" after "Director"	266.103(c)	Part VII §701			water to the same of the same
add "and all applicable emissions					
standards"		И	11		
after "limits"	266.103(c)(1)				
change		11			
"light-weighted" to "light-weight"	266.103(c)(1)(iv)	"	33		
replace ";" after "(e))"	200.100(0)(1)(10)		31		
with ":"	266.103(c)(1)(ix)			CONTRACTOR	
change "system" to					
"systems"; replace ";" after "(e))"		II	11		
with ":"	266.103(c)(1)(xi)				
replace ";" after					
"(e))" with ":"	266.103(c)(1)(xii)	II.	11		
change "test" to "testing"	266.103(c)(4)(i)(C)	п	\$8		
change "averge"	266.103(c)(4)(ii)(B)			Personal and the company of the second second second	
to "average"	(5)	11	11		
remove "the most	000 4004 \\4\4\4\4\4\				
recent" before	266.103(c)(4)(iv)(C) (2)(ii)	11	19		
<u>"one hour"</u> change the number					
"(1)" after		166	89		
"paragraph" to			**		
the letter "(I)"	266.103(c)(7)(i)(A)				
replace "to" after "waste burning" with					
"only for purposes of					
compliance testing					
(and pretesting to		88	18		
prepare for com-	266.103(c)(7)(i)(B)				
pliance testing)" insert "." after	266.103(c)(7)(ii)(B)				
"HCI/CI,"	(1)(ii)				
change "or" after					
"emissions" to "of"	266.103(g)(1)	0.0	**		

				STATE ANALO	OG IS:
	COMPANIATION OF A STATE OF A STAT	FFDFDAL DODA OITATION	ANALOGOUS STATE CITATION	EQUIV- MORE	BROADER
	FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	SIXIE CITATION	ALENT STRINGENT	IN SCOPE
	STANDADDS TO CONT	ROL ORGANIC EMISSIC	MC		
		HOL CHGAING EMISSIC	7113		
	in equation, change		HWMR-7	χ	
	"(1-W _{out})/W _{in} "	266.104(a)(1)	Part VII §701	, A	
А	to "1 - (Wow/Win)" change the "tetrra-,"	200.104(a)(1)	ICIC ATT 31OT		
4	after "to burn than" to				
	"tetra-,"; change		11	ii .	
	"paragraph (a)" to "paragraph (a)(1)"	266.104(a)(3)			
		200.104(a)(3)			
	change "in Hazardous				
	Waste Incinerators,				
	Boilers, and Industrial				
	Furnaces" to "for				
	Incinerators, Boilers,				
	and Industrial		11	89	
	Furnaces Burning	066 104(b)(0)			
	Hazardous Waste"	266.104(b)(2)			
	add "Burning				
	Hazardous Waste"				
	after "Industrial				
	Furnaces";		19	11	
	insert "and" between	000 404(=)(0)			
	"CO" and "oxygen"	266.104(c)(3)			
	insert "(PCDDs)" after				
	"Dibenzo-p-Dioxins";				
	replace "." at the end		11	18	
	of the sentence				
	with ";"	266.104(e)(1)			
	replace "." at the end	•			
	of the sentence after		.11	44	
_	"TCDD" with ";"	266.104(e)(2)			
	insert "("		10	86	
	before "2.2"	266.104(e)(4) ·			
	change "conducts"		11	38	
	to "conduct"	266.104(f)(3)(iii)			
	designate paragraph		11	38	
	"(g)2." as "(g)(2)"	266.104(g)(2)			
		ROL METALS EMISSION	<u>vs</u>		
	change "Evaluation				
	Solid Waster to		LILMO 7	v	
	"Evaluating Solid		HWMR-7	X	
	Waste"	266.106(a)	Part VII §701		

				STATE ANALO	G 18:
•		ANALOGOUS	EQUIV-	MORE	BROADER
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	STATE CITATION	ALENT	STRINGENT	IN SCOPE
in the equation,					
change "<1.0" to		1 12 10 4 50 50 11 11 1	10		
"≤1.0" and change		HWMR-7	Х		
"numer" to "number"	266.106(b)(2)(i)	Part VII §701			
insert "as defined					
in §266.102(e)(6)(ii)"		18	88		
between "hours" and					
"with"	266.106(b)(2)(ii)(B)				
insert "shall be used"					
at the end of the		11	11		
sentence before the					
period	266.106(b)(5)				
in the equation,					
change "K=physical					
stack height (meters)"					
to "H=physical stack					
height (meters)";					
change "K=stack gas					
flow rate (m³/second)"					
to "V=stack gas flow		18	19		
rate (m³/second)"	266.106(b)(6)				
delete minus sign	and the second				
"-" after "AER(i)"		88	88		
in equation	266.106(c)(2)				
revise equation as					
indicated at					
56 FR 32690,		11	80		
correction 57	266.106(d)(3)				
after "screening limit					***************************************
for" change "each" to					
"a" and "levels" to		88	8.8		
"level"	266.106(e)				
delete ";" after "metal"					
in the introductory text	266.106(f)(2)(ii)	4.6	88		
change "ratio"	200.100(1)(2)(1)	**	11		
to "ratios"	266.106(f)(2)(ii)(B)	88	88		
to ratios	200.100(1)(2)(11)(1)				
STANDADDS TO CONTI	ROL HYDROGEN CHLOR	IDE (HCI) AND CH	II ODINE	GAS (CI)	
EMISSIONS	TOL TIDHOGEN CHLON	וטב (חטו) אויט טח	LUNINE	uno (U ₂)	
					•
change					
"paragraphs (b), (c),		HWMR-7	Χ	~	
or (d)" to "paragraph	266 107(a)	Part VII §701			
(b) or (c)"	266.107(a)				

				The second secon	STATE ANALO	G IS:
	FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV-	MORE STRINGENT I	BROADER IN SCOPE
	FEDERAL NEGOTIETT	TEDENTIAL TRAIN, STATE OF		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	OTT.	
	change "screen"					
	in heading to		HWMR-7	X		
	"screening"	266.107(b)(2)	Part VII §701			
	change "screen"		l l	18		
	to "screening"	266.107(b)(3)				
4	change paragraph					
	designated as "(i)"		11	18		
	to "(1)"	266.107(d)(1)				The same of the sa
4	change paragraph					
	designated as "(ii)"		II	8.6		
	to "(2)"	266.107(d)(2)		na ann an	**************************************	
	insert "limit" between					
	"screening" and					
	"provided"; change		11	18		
	"Appendix I"	000 107(0)	•	••		
	to "Appendix II"	266.107(e)				
	after "compliance		13	18		
	with", change "his"	266.107(h)				
	to "this"	266.107(11)		parameter and the second se		
	SMALL QUANTITY OF	N-SITE BURNER EXEMPT	ION			
	change "Exemption"					
	in heading to					
	"Exempt"; change					
	"section" to "subpart"		HWMR-7	Χ		
	in introductory text	266.108(a)	Part VII §701			
	insert "to" between					
	"10.0" and "11.9" in		19	8.8		•
	first column of table	266.108(a)(1)				
	change "<1.0" to					
	"≤1.0" in equation;		•			
	delete "," after		8.8	88		
	"Allowable					
	Quantity Burned"	266.108(c)				
	: 014/ DIOI/ 14/4 OTF F	VENETION				
	LOW RISK WASTE E	XEMPTION				
	change "of" after					
	"Director" to "on";			•		
	replace apostrophe					
	after "fuel" with an	266 100(5)(1)(1)	88	\$8		
	end quotation mark	266.109(a)(1)(i)				
	change reference	266 100/5\/2\/i\/	38	28		
	"(a)(iii)" to "(a)(2)(iii)"	266.109(a)(2)(iv)				

				STATE ANAL	.og is:
	FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- MORE ALENT STRINGENT	BROADER
	PEDERAL REQUIREMENT	PEDERAL HORA CITATION	STATE CHATION	ALENT STAINGENT	I IN SCOPE
	change "componds"		HWMR-7	Χ	
	to "compounds"	266.109(a)(2)(iv)(A)	Part VII §701	,	
	insert "or adjusted		11	15	
	Tier I" before "metals"	266.109(b)(2)			
	WAIVER OF DRE TRIAL	BURN FOR BOILERS			
	insert "the" between				
	"volatility of"	266.110(f)(3)		10	
	and "fuel"	200.110(1)(3)			
	REGULATION OF RESID	DUES		•	
4	designate "266.122"		11	10	
	as "266.112"	266.112			
		APPENDIX I T	O PART 266		•
	TIED I AND TIED II FEE	D RATE AND EMISSION	S SCREENING LIN	ITS EOD METALS	•
	in title to table,	D TATE AND ENTIONION	O COLLECTIALIACI FILA	IIIO I OII WILIALO	
	change				
	"Carcinogenic" to		HWMR -7	X	
	"Noncarcinogenic"	Appendix I/Table I-A	Part VII §701		
	move the first column				
	"Beryllium" under				
	"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		88	88	
	use in urban areas"		•		
	for a Terrain adjusted		•		
	effective stack height				
	of 16 meters				
	to "9.6E-01"	Appendix I/Table I-D			
	change "4.3-01"				
	corresponding to Terrain adjusted				
	effective stack				
	height (m) of 12				
	meters in the second		88	8.0	
	column to "4.3E-01"	Appendix I/Table I-E			

			~	STATE ANALO	
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- LALENT	MORE STRINGENT	BROADEI IN SCOP
	APPENDIX I	I TO PART 266			
	REENING LIMITS FOR	TOTAL CHLORINE			
replace Appendix II as indicated at 56 FR	Aggregative II	HWMR-7 Part VII §701	X		•
32690, correction 79	Appendix II		***************************************		- , - , - , - , - , - , - , - , - , - ,
	APPENDIX II	I TO PART 266			
CHLORIDE eplace Appendix III		HWMR-7	Х		-
as indicated at 56 FR			^		
as indicated at 56 <u>FR</u> 32691, correction 80	Appendix III	Part VII §701		Marine and a south and a state of the south and a south and a south a	
				TOTAL CONTROL OF THE STATE OF T	Physical activities of the American
REFERENCE AIR CONC	APPENDIX I	Part VII §701			
REFERENCE AIR CONG n first column of table change "Methyl Ethyl	APPENDIX I	Part VII §701	^		
REFERENCE AIR CONG	APPENDIX I	Part VII §701	X		

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV- MORE BROADER ALENT STRINGENT IN SCOPE
	APPENDIX V	II TO PART 266	
	/ \		
HEALTH-BASED LIMIT	S FOR EXCLUSION OF	WASTE-DERIVED RE	ESIDUES
change "(mg/kg)" to			
"(mg/L)" in the heading of the third			
column in table			
entitled "Metals-			
TCLP Extract			
Concentration Limits"; add the following		HWMR-7	X
entry to the end	Appendix VII/	Part VII §701	
of the table:	Metals Table		
	Thallium 74	40-28-0 7×E+00	
delete 8 lines			
beginning with			
"Thallium" and			
ending with "Thallium(I) sulfate"			
from the table			
entitled		HWMR-7	X
"Nonmetals-Residue	Appendix VII/ Nonmetals Table	Part VII §701	
Concentration Limits"	Noninetals rable		
	APPENDIX V	III TO PART 266	
DOTENTIAL DICA EOD	DETERMINATION OF S	CACITICION OF MAC	TE DEDIVED DESIDUES
change "roform" to	DETENBINATION OF E	ACLUSION OF WAS	TE-DERIVED RESIDUES .
"chloroform" and			
"robenzene" to			
"chlorobenzene" in the first column	Appendix VIII/	HWMR-7	X
of the table	PICs_Table	Part VII §701	

STATE ANALOG IS:

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- MORE BROADER ALENT STRINGENT IN SCOPE
	APPENDIX I	X TO PART 266	
METHODS MANUAL FO	OR COMPLIANCE WITH	THE BIF REGULAT	IONS
Burning Hazardous Waste in Boilers			
and Industrial Furnaces (see 56 FR 32692-32795)	Appendix IX	HWMR-7 Part VII §701	X
Determination of Enrichment Factor (see 56 FR 32796)	Appendix A to Appendix IX		38
	APPENDIX X	X TO PART 266	
GUIDELINE ON AIR Q	UALITY MODELS (REVI	SED)	
Guideline on Air Quality Models (see 56 FR 32796-32819)	Appendix X	HWMR-7 Part VII §701	X
Summaries of Preferred Air Quality Models (see	Appendix A to	11	11
56 FR 32819-32828) Summaries of Alternative Air Quality Models (see	Appendix X Appendix B to		
56 FR 32828-32849) Example Air Quality Analysis Checklist	Appendix X		
(see 56 FR 32849-32852)	Appendix C to Appendix X	18	11

			STATE ANALOG IS:				
		ANALOGOUS	EQUIV- MORE BROADER				
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	STATE CITATION	ALENT STRINGENT IN SCOPE				
PART 270 - EPA	ADMINISTERED PERMI PERMIT	T PROGRAMS: TH PROGRAM	E HAZARDOUS WASTE				
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)	HWMR-7 Part IX §901	X				
change the reference "(a)(1)(ii)(B)" to "(a)(2)(ii)(B)"	270.22(a)(2)(ii)(C)	11	11				
change "feestocks" to "feedstocks"	270.22(a)(5)(vii)	10	II.				
change "trail" to "trial"; before "other compliance tests" change "from from" to "from"	270.22(a)(6)	11	ti				
change "minimze" to "minimize"	270.22(b)(1)	10	11				
to minimize		ANGES TO PERMIT	S				
PERMIT MODIFICATIO replace "270.21" with	N AT THE REQUEST OF	THE PERMITEE					
"270.22" and "and 270.63" with "270.63 and 270.66"	270.42(c)(1)(iv)	HWMR-7 Part IX §901	X				
change "wates" to "wastes"	270.42(g)(1)	88	10				
change "effetive" to "effective"	270.42(g)(1)(i)	38	10				

9

		ANALOGOUS	STATE ANALOG IS: EQUIV- MORE BROADER
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	STATE CITATION	EQUIV- MORE BROADER
To provide the second s			
delete "In the case of			
Classes 2 and 3			
modifications,";			
capitalize the "t"			
in "the"; insert			
"Class 2 or 3"		HWNR-7	X
before		Part IX §901	^
"modification"	270.42(g)(1)(iv)	101 C IN 3001	
in "L.5." replace			
"." after		18	11
"requirements"			
with ":"	270.42/Appendix I		
	SUBPART F - SPECIA	AL FORMS OF PERI	MITS
DEDMITE EAD BAILED	S AND INDUSTRIAL FL	IDMACES BLIDNING	HAZADDOUG MACTE
change "operation	S AND INDUSTRIAL FO	DUNACES BOUNING	HAZANDOUS WASTE
readiness" to			
operational		HWMR-7	χ
readiness"	270.66(b)(1)	Part IX §901	^
change "107" to	270.00(b)(1)	" Parc 1x 3501	
"266.107"	270.66(b)(4)		
change "for the	270.00(0)(4)		
-valuation of Solid			
Evaluation of Solid			
Waste" to		11	и
Waste" to "for Evaluating	270.66(c)(2)(i)	11	11
Waste" to "for Evaluating Solid Waste"	270.66(c)(2)(i)	11	ti
Waste" to "for Evaluating Solid Waste" change "for the	270.66(c)(2)(i)	H	11
Waste" to "for Evaluating Solid Waste" change "for the Evaluation of Solid	270.66(c)(2)(i)	88	11
Waste" to "for Evaluating Solid Waste" change "for the Evaluation of Solid Waste" to "for Evalua-			/
Waste" to "for Evaluating Solid Waste" change "for the Evaluation of Solid Waste" to "for Evalua- ting Solid Waste"	270.66(c)(2)(i) 270.66(c)(2)(ii)		/
Waste" to "for Evaluating Solid Waste" change "for the Evaluation of Solid Waste" to "for Evalua- ting Solid Waste" delete "and"	270.66(c)(2)(ii)	41	10
Waste" to "for Evaluating Solid Waste" change "for the Evaluation of Solid Waste" to "for Evalua- ting Solid Waste" delete "and" after "system(s);"		88 ·	10
Waste" to "for Evaluating Solid Waste" change "for the Evaluation of Solid Waste" to "for Evalua- ting Solid Waste" delete "and" after "system(s);" insert "air"	270.66(c)(2)(ii) 270.66(c)(3)(vi)	41	10
Waste" to "for Evaluating Solid Waste" change "for the Evaluation of Solid Waste" to "for Evalua- ting Solid Waste" delete "and" after "system(s);" insert "air" before "pollution"	270.66(c)(2)(ii)	6 E B	13 .
Waste" to "for Evaluating Solid Waste" change "for the Evaluation of Solid Waste" to "for Evalua- ting Solid Waste" delete "and" after "system(s);" before "pollution" replace "." after	270.66(c)(2)(ii) 270.66(c)(3)(vi) 270.66(c)(3)(vii)	88 ·	10
Waste" to "for Evaluating Solid Waste" change "for the Evaluation of Solid Waste" to "for Evalua- ting Solid Waste" delete "and" after "system(s);" insert "air" before "pollution" replace "." after "standard" with ";"	270.66(c)(2)(ii) 270.66(c)(3)(vi)	6 E B	13 .
Waste" to "for Evaluating Solid Waste" change "for the Evaluation of Solid Waste" to "for Evalua- ting Solid Waste" delete "and" after "system(s);" before "pollution" replace "." after	270.66(c)(2)(ii) 270.66(c)(3)(vi) 270.66(c)(3)(vii)	6 E B	13 .

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

10 TERMINATION OF INTERIM STATUS HWMR-7 χ change "as" after 270.73(f) Part IX §901 "which" to "has" change "as" after 270.73(q)

"which" to "has"

- Revision Checklist 85 (February 21, 1991; 56 FR 7134) redesignated the old paragraph (d)(2) as (d)(3) and introduced a new paragraph (d)(2) into the code. Revision Checklist 94 makes technical corrections to the February 21, 1991 amendatory language for 261.2 and incorrectly redesignates paragraph (d)(3) as (d)(4) and paragraph (d)(4) as (d)(5). The Federal code as of February 21, 1991, did not include 261.2(d)(3) or 261.2(d)(4). The technical correction addressed by Revision Checklist 96 (August 27, 1991; 56 FR 42504) 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:"
- 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).
- 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).
- 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.
- 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.
- 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 <u>Federal Register</u> addressed by this checklist has a typographical error at 56 <u>FR</u> 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).

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

Note that the <u>Federal Register</u> addressed by this checklist has typographical errors at 56 <u>FR</u> 32786. In section 9.2, paragraph "3", the last sentence should read (corrections are underlined): "Then for HCI, convert the chlorine emission rate to HCI by multiplying it by the ratio of the molecular weight of <u>HCI</u> to the molecular weight of <u>CI</u> (i.e., <u>36.5/35.5</u>)." See the technical correction at 56 <u>FR</u> 42512 (August 27, 1991; Revision Checklist 96).

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.

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- MORE BROADER ALENT STRINGENT IN SCOPE
	- IDENTIFICATION AND		
	SUBPART A	A - GENERAL	

DEFINITION OF HAZARDOUS WASTE

† add new paragraph which excludes as hazardous waste certain nonwastewater residues resulting from high temperature 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

HWMR-7

X

Part II §201

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

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

DRAFT

				ANIAL OCCUR	F01007	STATE ANALO	
	FEDERAL REQUIREMENT	FEDERAL RORA C	ITATION L	ANALOGOUS STATE CITATION	EQUIV-	MORE STRINGENT	BROADER IN SCOPE
						-	
	EXCLUSIONS						
t	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			111840 7	v		
	disposed before	004 4/->/44>	**	HWMR-7	Χ		
	recovery	261.4(a)(11)		Part II §201			rede proposition and a second
		PART 268 -	I AND DISP	OSAL RESTRICTION	ONIC		
		1 AIII 200 -	LAND DIOF	OUAL HESIRICIN	2140		

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 HWMR-7

Χ

CWE Part VIII §801

TABLE CCWE—CONSTITUTE CONCENTRATIONS IN WASTE EXTRACT

				Wastewate	W8	Nonwestews	673
Waste code	Commercial chemical name	See also	Regulated hazardous constituent	Concentration (mg/L)	Notes	Concentration (mg/L)	Notes
ð	٠	•	6	•		8	
K061, High Zinc.	Electric Arc Furnace	Table CCW in 288.43	Antimony	NA		2.1	
Subcategory.	Dust.		Arsens	NA		0.055	
			Bartum	NA		7.8	
			Beryllium	NA		0.014	
			Cadmium	NA		0.19	
			Chromium (Total)	NA		0.33	
			Leed	NA		0.37	
			Mercury	NA		0.009	
			Nickel	NA		5	
			Selentum	NA		0.16	
			Silver	NA		0.3	
			Theman	NA		0.078	
			Vanedium	NA		Reserved	
		, *	Zine	NA		5.3	

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

DRAFT

FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV- MORE BROADER ALENT STRINGENT IN SCOPE
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)	HWMR-7 Part VIII §801	X
TREATMENT STANDA	ARDS EXPRESSED AS SP	ECIFIED TECHNOL	OGIES
in Table 2 remove		11	11
entry for K061	268.42(a)/Table 2		

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 \underline{FR} 7134, February 21, 1991) and Revision Checklist 94 (56 \underline{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)(1), 266.102(e)(4)(ii)(C)(2), 266.102(e)(4)(iii)(C)(3), (266.102(e)(4)(iii)(C)(1) and 266.102(e)(4)(iii)(C)(2)) are not included in this checklist.

- 2) Note that the <u>Federal Register</u> for this rule corrects typographical errors in certain headings at 56 <u>FR</u> 32692 in the July 17, 1991 <u>Federal Register</u> (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 <u>FR</u> 43874; Revision Checklist 98), an administrative stay was published affecting the February 21, 1991 (56 <u>FR</u> 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.

			STATE ANALOG IS:
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- MORE BROADER ALENT STRINGENT IN SCOPE
PART 261	- IDENTIFICATION AND	LISTING OF HAZA	ARDOUS WASTE
	SUBPART A	- GENERAL	
1 DEFINITION OF SOLID	WASTE		
at the end of paragraph, add exception for			
brominated material that meets certain criteria	261.2(d)(2)	HWMR-7 Part II §201	X
material must contain a bromine concentration of at least 45%	261.2(d)(2)(i)	. 13	11
material must contain less than a total of 1% of toxic organic compounds listed in Appendix VIII	261.2(d)(2)(ii)	и	11
material is processed continually on-site in the halogen acid furnace via direct conveyance	261.2(d)(2)(iii)	· ·	ii

				STATE ANALOG IS:
			ANALOGOUS	EQUIV- MORE BROADER
	FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	STATE CITATION	ALENT STRINGENT IN SCOPE
	DADT OCE INTE	RIM STATUS STANDARD	S EOD OWNED	S AND OPERATORS OF
		WASTE TREATMENT, ST		
	HAZANDOUS	WASIE INEAIMENT, ST	ORAGE, AND DI	SPUSAL FAUILITIES
		ALIAS A AL AALIAS		
		SUBPART G - CLOSURE	AND POST-CLC	DSURE
	CLOSURE PLAN; AMEN	DMENT OF PLAN		
2	remove introductory			
	clause; restructure			
	paragraph to create			
	(d)(2), (d)(2)(i) and			
	remove last sentence			
	replacing it with		HWMR-7	X
	"; or"; add (d)(2)(ii)	265.112(d)(2)	Part VI §601	^
	addressing provisions			
		26E 112(4)(2)(i)	18	11
	for units meeting	265.112(d)(2)(i)		
	265.113(d)	005 440(1)(0)(")	II	18
	requirements	265.112(d)(2)(ii)		
		/FD FOR OLOUBE		
_	CLOSURE: TIME ALLOW	VED FOR CLOSURE		
2	add text regarding			
	the final volume of			
	nonhazardous waste;			
	remove text			
	regarding the			
	90-day requirement			
	for a boiler or		HWMR-7	X
	industrial furnace	265.113(a)	Part VI §601	
9	add text regarding	200.110(a)		
~	the final volume of			
			•	
	nonhazardous waste;			
	remove text			
	regarding the			
	90-day requirement		38	* BB
	for a boiler or			
	industrial furnace	265.113(b)		

		ANALOGOUS	STATE ANALOG IS: EQUIV- MORE BROADER
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	STATE CITATION	ALENT STRINGENT IN SCOPE
DART SEE STANDA	ADDS FOR THE MANAG	EMENT OF SPECIE	FIC HAZARDOUS WASTES
	C TYPES OF HAZARDO		
7110 01 001 1			
CUDDADT II IIATA	DDOUG WACTE DUDNE		NIDITOTAL CUDALACE
SUBPART H - HAZA	HUUUS WASIE BURNE	D IN BOILERS AND	NDUSTRIAL FURNACES
	kan ya kata kata ya kan ya kata wa kata kata kata kata ya kata kata kata	n and an extension of the second	
<u>APPLICABILITY</u>			
add "(f)" to list of references in		HWMR-7	X
the first sentence	266.100(a)	Part VII §701	X
add text restricting	200.100(a)		
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		86	88
to 266.100(c)(3)			
requirements	266.100(c)(1)		
add text			
regarding alternative			
methods that meet			
or exceed SW-846			
method performance			
capabilities; situation		88	98
where "best available			

266.100(c)(1)(ii)

method" is used

			STATE ANALOG IS:
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- MORE BROADER ALENT STRINGENT IN SCOPE
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	PEDERAL RORA CITATION	STATE CITATION	ALENT STRINGENT IN SCOPE
the 500 ppm limit is prohibited; retention of documentation in records required by 266.100(c)(1)(iii)	266.100(c)(2)(i)	HWMR-7 Part VII §701	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; retention of documentation in records required by 266.100(c)(1)(iii)	266.100(c)(2)(ii)		AE .

				STATE ANALO	OG IS:
	CEDEDAL DODA OLTATIONA I	ANALOGOUS	EQUIV-	MORE STRINGENT I	BROADER
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	STATE CITATION	ALENT	SIRINGENII	IN SCOPE
add now paragraph					
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;		ULIMO 7	v		
266.100(c)(1)		HWMR-7	Х		
compliance	266.100(c)(3)	Part VII §701		•	
exemption from	200.100(0)(0)		.,		
266.100(c)(1)					
requirements for					
hazardous wastes					
listed in Appendices					
XI and XII, Part 266,					
and baghouse bags					A
used to capture					
metallic dusts					
emitted by steel			11		
manufacturing,					
provided:	266.100(c)(3)(i)				
waste contains					
recoverable levels		11	88		
of specified metals	266.100(c)(3)(i)(A)				
waste does not					•
exhibit the Toxicity					
Characteristic of		88	88		
261.24 for an			••		
organic constituent	266.100(c)(3)(i)(B)				
waste is not a					
hazardous waste					
listed in Part 261					
Subpart D because it					
is listed for an					
organic constituent	• .	11	81		
as identified in		•			
Appendix VII of					
Part 261	266.100(c)(3)(i)(C)		7.7.500		

400 Perspectation (CD 400 page proposed for the perspectation of the state of the committee				STATE ANALO	
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	MORE STRINGENT	BROADER IN SCOPE
PEDERAL REGORDER	TO CINE HOLD COMMENT			011111111111111111111111111111111111111	<u> </u>
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		HWMR-7	Χ		
with (c)(3) for at		Part VII §701			
least three years	266.100(c)(3)(i)(D)				
basis for					
case-by-case					
decisions regarding					
toxic organic					
constituents;					(
metal recovery					
furnace subject to					
Subpart H require- ments after adequate					
notice and		11	11		
opportunity for					
comment; factors					
Director will				•	
consider:	266.100(c)(3)(ii)				-Me
concentration and					
toxicity of organic					
constituents in the		10	88		
material	266.100(c)(3)(ii)(A)				
level of destruction				2000	
of toxic constituents	•	88	88		
provided by the		99	88		
<u>furnace</u>	266.100(c)(3)(ii)(B)				

			energia managanga managang ma Managang managang ma		STATE ANALOG IS:
	FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV-	MORE BROADER I STRINGENT IN SCOPE
	PEDERAL REQUIREMENT	FEDERAL HONA GITATION	STATE CITATION	VECIAL	1 STANAGEMI I IN SOUTE
	acceptable ambient				
	levels established				
	in Appendices IV				
	or V exceeded for				•
	any toxic organic				
	compound that may			v	
	be emitted based on		HWMR-7 Part VII §701	Χ	
_	certain conditions	266.100(c)(3)(ii)(C)	Parc VII 3/UI		
3	conditional exemption				
	from Subpart H				
	requirements for				
	owners or operators of certain smelting,				
	melting, and refining				
	furnaces, except		14	18	
	for 266.112;				
	to be exempt from				
	266.101 through				
	266.111, an owner				
	or operator must:	266.100(f)			
	provide a				
	one-time written	200 400(5)(4)	11	38	
	notice indicating:	266.100(f)(1)			
	owner or operator claims 266.100(f)		11	11	
	exemption	266.100(f)(1)(i)	••	**	
	hazardous waste is	200.700(1/(1/(1/			
	burned for legitimate				
	recovery of		88	18	
	precious metal	266.100(f)(1)(ii)			•
	compliance with				
	266.100(f) sampling				
	and analysis and		11	88	
	recordkeeping	000 400/8////	**		
	requirements	266.100(f)(1)(iii)			
	sample and analyze hazardous waste as				
	necessary using		88	19	
	specified procedures	266.100(f)(2)			
	maintain specified				
	records at facility for		98	88	
	at least three years	266.100(f)(3)			

			STATE ANALOG IS:
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- MORE BROADER ALENT STRINGENT IN SCOPE
PERMIT STANDARDS	FOR BURNERS		
insert sentence			
regarding alternative			
methods and best			•
available method after		HWMR-7	Χ
"see §260.11 of	000 400/5)/4)	Part VII §701	^
this chapter)."	266.102(b)(1)	1010 111 3701	
replace "for not less			
than three years" with "until closure		11	11
of the facility"	266.102(e)(10)		
or the racility	200.102(e)(10)		
INTERIM STATUS STA	NDARDS FOR BURNERS	3	
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		11	40
hazardous waste			
derived from any of			
these wastes" at the			
beginning of	000 400/=\/0\		
paragraph	266.103(a)(3)	-11	18
replace "and" after "discharged" with "or"	266.103(a)(5)	- -	
change "(c)(7)(ii)"	200.103(a)(0)		
to "(c)(5)"	266.103(a)(5)(i)(D)	88	88
10 10/10/			

replace "as-generated"				ATE ANALO	
replace "as-generated"	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT ST	MORE RINGENT I	BROADER IN SCOPE
	1 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				114 0001 E
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					
concentration of					
nonmetal compounds					
to the 500 ppm limit					
by bona fide treat-					
ment, and 2) blending					
for dilution to meet					
		HWMR-7	X		
		Part VII §701			
	266.103(a)(5)(ii)(A)				
or" before "as-fired";					
remove parentheses					
*					
				•	
				Ī	-9
to below 5,000 Btu/lb					
		8.9	88 89		
limit by bona fide					
treatment, and 2)					
treatment, and 2) blending to augment	•		•		
treatment, and 2) blending to augment heating value to meet	·				
treatment, and 2) blending to augment heating value to meet the 5,000 Btu/lb limit					
treatment, and 2) blending to augment heating value to meet the 5,000 Btu/lb limit prohibited;			·		
treatment, and 2) blending to augment heating value to meet the 5,000 Btu/lb limit			•		
the 500 ppm limit prohibited; retention of documentation in facility record 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	266.103(a)(5)(ii)(A)	Part VII §701		f	•

- The state of the			The second secon	STATE ANALO	G IS:
	FEDERAL BODA CITATION	ANALOGOUS	EQUIV-	MORE	BROADER
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	STATE CITATION	ALEIVI	STRINGENT	IN SCOPE
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 a heating value less";					
revise rest of para- graph after "5,000 Btu/lb; as generated"					
by replacing it with parenthetical phrase addressing situation		HWMR-7 Part VII §701	X		
where 5,000 Btu/lb limit can be exceeded;					
exceptions:					
paragraphs as					
indicated below	266.103(a)(6)		alangan managan pangan pan Pangan pangan panga		
hazardous waste		11	89		
burned solely as	000 400(=)(0)(3)				
an ingredient	266.103(a)(6)(i)				
hazardous waste					
burned for purposes		,			
of compliance testing					
for a total period		# B	8.8		
of time not to	000 400(=\/0\/::\				
exceed 720 hours	266.103(a)(6)(ii)				
waste burned if					
Director has				-	
documentation to		88	39		
show that, prior	000 400/ 3/03/***				
to August 21, 1991:	266.103(a)(6)(iii)				
boiler or industrial					
furnace operating		he.	20		
under Part 265,		88	8-9		
Subpart O or P					
requirements	266.103(a)(6)(iii)(A)				
		•			

			STATE ANAL	
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- MORE ALENT STRINGENT	BROADER I IN SCOPE
ELDENAL NEGOTILEMENT				1 114 0001 2
boiler or industrial				
furnace met 270.70				
interim status				
eligibility				•
requirements for		HWMR-7	X	
Part 265, Subpart O	000 400/->/0>/***>/D>	Part VII §701		
or Subpart P	266.103(a)(6)(iii)(B)	1010 411 3/01		**************************************
hazardous waste				
with a heating value			11	
less than				
5,000 Btu/lb				
burned prior to				
August 21, 1991	266.103(a)(6)(iii)(C)			
such waste burned				
in halogen acid				•
furnace if waste				
burned as an				
excluded ingredient				
under 261.2(e) prior				
to February 21, 1991		11	11	
and documentation				
kept on file	266.103(a)(6)(iv)			
insert "and recorded"		31	18	
after "monitored"	266.103(b)(5)(i)(A)			
remove "operating"				
before "record";		11	11	
insert "records and"				
before "locations"	266.103(b)(6)(viii)			
insert "The	LOO: 1 GO(D)(O)(VIII)			
administrative record				
kept by the" before				
"Agency" at the		88	88	
	•			
beginning of the	066 100/h\/6\/\/A\			
paragraph insert "The BIF	266.103(b)(6)(viii)(A)			
			•	
correspondence file				
kept at" before				
"The facility";		36	80	
add sentence				-
specifying what the				
correspondence file				
must include	266.103(b)(6)(viii)(B)			

			STATE ANALOG IS:
CENTRAL DENUMERATA	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- MORE BROADER
FEDERAL REQUIREMENT	PEDERAL RONA CHATION	STATE CITATION	TALENT STAINGENT IN SCOPE
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";			
remove "until an			
operating permit		HWMR-7	X
is issued" from the	200 4007 1/41	Part VII §701	
end of the paragraph	266.103(c)(1)	The same of the sa	
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		14 ·	88
operator request;			
approval based on			
meeting 266.103(c)			
requirements	266.103(c)(3)(i)		
add text			•
regarding criteria			
for compliance with 266.103(I),	·		
265.112(d)(2) and		89	88
265.113 provisions	266.103(e)		
replace "for a period	and the second		
of three years" with			
"until closure of the		88	98
boiler or industrial			
furnace unit"	266.103(k)		
STANDARDS TO CONT	TROL ORGANIC EMISSION	ONS	
insert "("	·	88	88 .
before "2.2"	266.104(e)(4)		

5

			***************************************	STATE ANALO	
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV-	MORE I STRINGENT I	BROADE IN SCOP
The Chair I feet and Comments a			and the second second second		
MALL QUANTITY ON-	SITE BURNER EXEMPTION	NC			-
eplace					
volume basis" with					•
total heat input	•				
r mass input basis,					
vhichever results					
n the lower mass		HWMR-7	Χ		
eed rate of	000 400()(0)	Part VII §701			
azardous waste"	266.108(a)(2)				
OW RISK WASTE EXE	EMPTION				
eplace "of" after	LIVII I I VIV				
Director" with "on";					
eplace "volume input"					
vith "mass input";					
eplace					
larger volume"		11	88		
vith "greater mass					
eed rate"	266.109(a)(1)(i)				
	L BURN FOR BOILERS			11 - 7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
eplace "the boiler"					
vith "the device";	v				
eplace "volume input"					
vith "mass input";					
eplace "larger		10	10		
olume" with "greater	000 440(-)				
nass feed rate"	266.110(a)				
TANDARDS FOR DIRE	ECT TRANSFER				
dd text regarding					2000-2000-000-000-000-000-000-000-000-0
ompliance with					
pecified				-	
naintenance and					
rotective distances					
equirements in lieu					
f 265.176					
equirements;			89		
ritten certification			88		
y local Fire Marshall					
be kept on file	266.111(d)(2)				

				STATE ANALO	
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV-	MORE STRINGENT	BROADER IN SCOPE
PEDENAL REGUINEMENT	TEDERAC HORA OHATON	OTATE STIATION		OTHINGER	114 0001 5
		•			
REGULATION OF RESI	DUES				
replace existing					
paragraph with				-	
"Boilers must burn					
at least 50% coal on					
a total heat input or					
mass input basis,					
whichever results in		HWMR-7	Χ		
the greater mass		Part VII §701	Λ.		
feed rate of coal:"	266.112(a)(1)	1010 111 3/01			
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		11	88		
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)				

			STATE ANALOG IS:
FEDERAL REQUIREMENT	FEDERAL HCHA CITATION	STATE CITATION	ALENI STRINGENT IN SCOPE
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 concentrations of toxic 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	FEDERAL RCRA CITATION	HWMR-7 Part VII §701	
multiple samples, concentration of toxic constituent is arithmetic mean; no results may be disregarded	266.112(b)(1)(ii)		

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

			STATE ANALO	
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- MORE ALENT STRINGENT	BROADER IN SCOPE
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 may be disregarded	266.112(b)(2)(iii)	HWMR-7 Part VII §701	X	IN SCOPE
replace "must" with "shall"; replace "for a period of three years" with "until closure of the boiler or industrial		85		•
furnace unit"	266.112(c)			

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

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 Specific & 42516 & 42517 Change ">0.95" to "<0.95" in section 9.2, first bullet under paragraph "2"; in section 9.2, paragraph "3", change the ending	S:
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 Part VII §701 given at Appendix IX/ 56 FR 42516 & 42517 Section 7.0 change ">= 0.95" to "=0.95" in section 9.2, first bullet under paragraph "2"; in section 9.2, paragraph "3", change the ending	ROADER SCOPE
METHODS MANUAL FOR COMPLIANCE WITH THE BIF REGULATIONS replace section 7.0, "Statistical Methodology for Bevill Residue Determinations," With new text Querian at Appendix IX/ 56 FR 42516 & 42517 Section 7.0 Change ">0.95" to Section 9.2, first bullet under paragraph "2"; in section 9.2, paragraph "3", change the ending	3007 -
METHODS MANUAL FOR COMPLIANCE WITH THE BIF REGULATIONS replace section 7.0, "Statistical Methodology for Bevill Residue Determinations," With new text Part VII §701 given at Appendix IX/ 56 FR 42516 & 42517 Section 7.0 change ">0.95" to "<0.95" in section 9.2, first coullet under charagraph "2"; In section 9.2, change the ending	
METHODS MANUAL FOR COMPLIANCE WITH THE BIF REGULATIONS replace section 7.0, "Statistical Methodology for Bevill Residue Determinations," With new text Given at Appendix IX/ 56 FR 42516 & 42517 Section 7.0 Change ">0.95" to Section 9.2, first buillet under paragraph "2"; in section 9.2, paragraph "3", change the ending	
replace section 7.0, "Statistical Methodology for Bevill Residue Determinations," With new text Section 7.0 Change ">0.95" to Section 9.2, first bullet under paragraph "2"; in section 9.2, paragraph "3", change the ending	
replace section 7.0, "Statistical Methodology for Bevill Residue Determinations," With new text Section 7.0 Change ">0.95" to Section 9.2, first bullet under paragraph "2"; in section 9.2, paragraph "3", change the ending	
"Statistical Methodology for Bevill Residue Determinations," HWMR-7 X with new text Part VII §701 given at Appendix IX/ 56 FR 42516 & 42517 Section 7.0 change ">0.95" to "<0.95" in section 9.2, first bullet under paragraph "2"; "" in section 9.2, paragraph "3", change the ending	
Methodology for Bevill Residue Determinations," HWMR-7 X with new text Part VII §701 given at Appendix IX/ 56 FR 42516 & 42517 Section 7.0 change "≥0.95" to "≤0.95" in section 9.2, first bullet under paragraph "2"; "" in section 9.2, paragraph "3", change the ending	
Bevill Residue Determinations," HWMR-7 X with new text Part VII §701 given at Appendix IX/ 56 FR 42516 & 42517 Section 7.0 change ">0.95" to "<0.95" in section 9.2, first bullet under paragraph "2"; " in section 9.2, paragraph "3", change the ending	
Determinations," with new text given at Appendix IX/ 56 FR 42516 & 42517 Section 7.0 change ">0.95" to "<0.95" in section 9.2, first bullet under paragraph "2"; in section 9.2, paragraph "3", change the ending	
with new text given at Appendix IX/ 56 FR 42516 & 42517 Section 7.0 change ">0.95" to "<0.95" in section 9.2, first bullet under paragraph "2"; in section 9.2, paragraph "3", change the ending	
given at Appendix IX/ 56 FR 42516 & 42517 Section 7.0 change ">0.95" to "<0.95" in section 9.2, first bullet under paragraph "2"; " " in section 9.2, paragraph "3", change the ending	
56 FR 42516 & 42517 Section 7.0 change "≥0.95" to "≤0.95" in section 9.2, first bullet under paragraph "2"; " " in section 9.2, paragraph "3", change the ending	
change "≥0.95" to "≤0.95" in section 9.2, first bullet under paragraph "2"; in section 9.2, paragraph "3", change the ending	
"<0.95" in section 9.2, first bullet under paragraph "2"; " " " " in section 9.2, paragraph "3", change the ending	
section 9.2, first bullet under paragraph "2"; " " " in section 9.2, paragraph "3", change the ending	
bullet under paragraph "2"; " " in section 9.2, paragraph "3", change the ending	
paragraph "2"; " " " in section 9.2, paragraph "3", change the ending	
in section 9.2, paragraph "3", change the ending	
paragraph "3", change the ending	
change the ending	
norman of the 1997	
phrase of the last sentence to "ratio"	
of the molecular	
weight of HCl to the	
molecular weight of Appendix IX/	
CI (i.e., 36.5/35.5)" Section 9.2	
Of (i.e., 50.5/55.5) Section 3.2	
APPENDIX XI TO PART 266	
	- Carling to Control of Control o
LEAD-BEARING MATERIALS THAT MAY BE PROCESSED IN EXEMPT LEAD SMELTERS	
add new appendix	
addressing lead-bearing	
materials that	
in example load	
smelters, see	
56 FR 42517 Appendix XI	

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

	Contract of the Contract of th		Older Street, Street, or other Designation of the Control of the C			STATE ANALO	G IS:
				ANALOGOUS	EQUIV-	MORE	BROADER
FEDERAL REQUIREMENT		FEDERAL RCRA CITATION		STATE CITATION	ALENT	STRINGENT I	IN SCOPE_

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

HWMR-7 Part VII §701

Appendix XII

- Revision Checklist 85 (February 21, 1991; 56 <u>FR</u> 7134) redesignated the old paragraph (d)(2) as (d)(3) and introduced a new paragraph (d)(2) into the code. Revision Checklist 94 (July 17, 1991; 56 <u>FR</u> 32688) made technical corrections to the February 21, 1991 amendatory language for 261.2 and incorrectly redesignated paragraph (d)(3) as (d)(4) and paragraph (d)(4) as (d)(5). The Federal code as of February 21, 1991, did not include 261.2(d)(3) or 261.2(d)(4). The technical correction addressed by Revision Checklist 96 (August 27, 1991; 56 <u>FR</u> 42504) fixes this error.
- 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.
- Note that there is a typographical error in the August 27, 1991 <u>Federal Register</u> (Revision Checklist 96; 56 <u>FR</u> 42504). The reference to "261.111" should be "266.111." Revision Checklist 111 (57 FR 38558; August 25, 1992) fixes this error.
- 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.
- 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 <u>FR</u> 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 <u>FR</u> 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- MORE BROADER ALENT STRINGENT IN SCOPE
PART 262 - STA	ANDARDS APPLICABLE	TO GENERATORS OF	HAZARDOUS WASTE
	SUBPART E - EXPORT	S OF HAZARDOUS W	/ASTE
NOTIFICATION OF IN	TENT 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)	HWMR-7 Part III §301	X
replace "Office of International Activities (A-106)" with "Office of Waste Programs Enforcement, RCRA Enforcement Division (OS-520), Environmental Protection Agency"	262.56(b)	11	ea

RCRA REVISION CHECKLIST 98

Coke Ovens Administrative Stay
56 <u>FR</u> 43874-43877
September 5, 1991
(RCRA Cluster II, HSWA provisions)

Note: This Revision Checklist addresses an administrative stay of the permitting standards for boilers and industrial furnaces (BIFs) adopted pursuant to the February 21, 1991 (56 FR 7134; Revision Checklist 85) final rule as it applies to coke ovens burning certain hazardous wastes from the coke by-products recovery process. The primary effect of the stay is to halt the application of industrial furnace standards to coke ovens when they reprocess non-K087 hazardous wastes while the Agency can evaluate comments on a pending regulatory proposal to exclude certain wastes from Subtitle C jurisdiction when recycled by reprocessing in coke ovens. This means that on August 21, 1991, coke ovens may continue to process residues from the by-products recovery process that exhibit the TC without the coke oven having to comply with the BIF regulations. The effects of the administrative stay are uniform in all States, as the BIF rule is based on HSWA authority. The Agency encourages States to follow deferring the effective date of the BIF rule for coke ovens as is announced in this stay. However, States may elect to implement the BIF rule with an earlier effective date than specified in this stay, as a matter of State law. Because this stay makes existing Federal requirements less stringent, Revision Checklist 98 is optional.

RCRA REVISION CHECKLIST 98: Burning of Hazardous Waste in Boilers and Industrial Furnaces; Administrative Stay of Applicability and Technical Amendment (cont'd)

		<u> </u>		STATE ANALO	G IS:
	FFRED 41 DOD 4 OF 4 TIOM	ANALOGO		MORE	BROADER
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	STATE CITA	ION ALENT	STRINGENT	IN SCOPE

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

†,1 APPLICABILITY

replace "(c), (d) and (f)" with "(c) and (d)"; remove "operating" before "permit"; add note stating the provision does not apply to coke ovens processing coke byproducts wastes exhibiting the Toxicity Characteristic identified in 261.24 pending completion of proposed July 26, 1991 rulemaking

future.

266.100(a)

HWMR-7 Part VII §701 χ

Note the replacement of "(c), (d) and (f)" with "(c) and (d)" is an error. The reference should remain as "(c), (d) and (f)." This will be addressed by a technical correction in the near

RCRA REVISION CHECKLIST 99

Amendments to Interim Status Standards for Downgradient Ground-Water Monitoring Well Locations 56 <u>FR</u> 66365-66369 December 23, 1991 (RCRA Cluster II, Non-HSWA)

				STATE ANALOG IS:
	FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- MORE BROADER ALENT STRINGENT IN SCOPE
	PEDERAL REGULEMENT	TEDETIAL NOTATION	STATE CHATTON	ALEIN STAINGEN IN SCOPE
	PART 260 -	HAZARDOUS WASTE N	MANAGEMENT SYS	STEM: GENERAL
		SUBPART B -	DEFINITIONS	
r	DEFINITIONS			
	"qualified ground- water scientist"	260.10	HWMR-7 Part I §101	Х
	Water Coloniast			
		RIM STATUS STANDARD		
	HAZARDOUS	WASTE TREATMENT, S	TORAGE, AND DIS	POSAL FACILITIES
		SUBPART F - GROUND	-WATER MONITOR	RING
•	GROUND-WATER MONI	TORING SYSTEM		
	demonstrate alternate hydraulically down-			
	gradient monitoring			
	well location will meet			
	alternate criteria;		4 2 3 45 2 50	V
	in writing and kept at		HWMR-7 Part VI §601	X
	facility; certified by		rart vi govi	
	qualified ground-water			
	scientist and establish:	265.91(a)(3)		
	existing physical			
	obstacle prevents monitoring well			
	installation at			
	hydraulically		18	88
	downgradient limit			
	of the waste			
	management area	265.91(a)(3)(i)		

RCRA REVISION CHECKLIST 99: Amendments to Interim Status Standards for Downgradient Ground-Water Monitoring Well Locations (cont'd)

			STATE ANALOG IS:
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS I STATE CITATION	EQUIV- MORE BROADER ALENT STRINGENT IN SCOPE
The second secon			
selected alternate			
downgradient location			
is as close to limit of		III.MO 7	χ
waste management area		HWMR-7 Part VI §601	A
as practical	265.91(a)(3)(ii)	raic vi your	
location ensures		·	
detection that, given			
alternate location, is			
as early as possible			
of any statistical		16	11
amounts of hazardous waste or constituents		**	
that migrate from the			
waste management area			
to uppermost aquifer	265.91(a)(3)(iii)		
lateral expansion, new	titikan tauta t		
or replacement units			
not eligible for an		it	II .
alternate downgradient			
location	265.91(a)(3)(iv)		

RCRA REVISION CHECKLIST 100

Liners and Leak Detection Systems for Hazardous Waste
Land Disposal Units
57 FR 3462-3497
January 29, 1992
(RCRA Cluster II, Both HWSA and Non-HWSA provisions)

Note: As is explained in the preamble (57 <u>FR</u> 3480 & 3481), EPA considers all of this rule to be promulgated pursuant to HSWA, with the exception of the Construction Quality Assurance Program (CQA) as it applies to final cover requirements.

				STATE	NALOG IS	: -
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
PART 260 - HA	ZARDOUS WASTE MA	ANAGEMENT SYST	EM: G	ENERA	\L	
	SUBPART B - D	EFINITIONS			<u> </u>	
DEFINITIONS						
add "replacement unit"	260.10	HWMR-7 Part I §101	Х			
revise "sump"	260.10	11	11			
PART 264 - STANDAR TREAT	DS FOR OWNERS AN MENT, STORAGE, AN			RDOUS	WAS	TE
SUE	BPART B - GENERAL F	ACILITY STANDAR	RDS			
GENERAL INSPECTION REC	UIREMENTS					
replace "264.194" with "264.193, 264.195"; remove "264.253"; add "264.278	264.15(b)(4)	HWMR-7 Part V §501	X	And the state of t		
CONSTRUCTION QUALITY	ASSURANCE PROGRA	AM .				
	The state of the s		~			

Control

				STATE A	NALOG IS	
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
required for all surface impoundment, wastepile and landfill units that must comply with 264.221(c)&(d), 264.251(c)&(d), and 264.301(c)&(d); program must ensure constructed unit meets or exceeds all permit design criteria and specifications; program must be developed and implemented under a CQA officer who is a registered		HWMR-7 Part V §501	х			
professional engineer	264.19(a)(1) 264.19(a)(2)	11	11			
	264.19(a)(2)(i)	11	11			
	264.19(a)(2)(ii)	18	11			
	264.19(a)(2)(iii)	36	"			
	264.19(a)(2(iv)	T	"			
the physical components	264.19(a)(2)(v)	18				
the CQA program must address	264.19(a)(2)(vi)	38	18			
before construction begins, owner/operator must develop a written CQA plan; must identify steps that will be used to monitor and document quality of materials and condition and manner of their installation; what the CQA plan must		33	80			
include:	264.19(b)					

	en e			STATE	ANALOG IS	
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
identification of applicable units and how they will be constructed	264.19(b)(1)	HWMR-7 Part V §501	X			
identification of key CQA plan development and implementation personnel; CQA officer qualifications	264.19(b)(2)	11	88			
inspection and sampling activities' description; what must be described	264.19(b)(3)	11	# B B			
contents of program	264.19(c)					
must include observations, inspections, tests, and measurements sufficient to ensure:	264.19(c)(1)	н	de d			
structural stability and integrity of 264.19(a)(2) units	264.19(c)(1)(i)	11	16			
proper construction according to permit specifications and good engineering practices, and proper installation according to design specifications	264.19(c)(1)(ii)	38	.48			
material conformity with design and other material specifications	264.19(c)(1)(iii)	18	11			

				STATE	ANALOG IS	:
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADEF IN SCOPE
test fills for compacted soils liners, using full scale compaction methods to ensure liners are constructed to meet specific hydraulic conductivity requirements; compliance verified by insitu testing on constructed test fill; conditions under which alternate may be accepted	264.19(c)(2)	HWMR-7 Part V §501	X			
certification to Regional Administrator before waste received; signed by CQA officer stating that approved CQA plan successfully carried out and units meet specific requirements; 270.30(I)(2)(ii) procedure complete; documentation furnished upon request	264.19(d)	11	8.5			
SUBPART E - MA	ANIFEST SYSTEM, RE	CORDKEEPING, A	ND REF	PORTIN	NG	
OPERATING RECORD						
insert "264.19, 264.191, 264.193, 246.195, 264.222, 264.223"; replace "264.253, 264.254" with "264.252 - 264.254" and "264.303" with "264.302 - 264.304"	264.73(b)(6)		10		And the state of t	

				STATE	ANALOG IS	
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
S	UBPART K - SURFACI	E IMPOUNDMENTS				
DESIGN AND OPERATING R	EQUIREMENTS					
completely revise paragraph; surface impoundments which must install two or more liners and a leachate collection and removal system between such liners; "construction commences" defined under "existing facility"	264.221(c)	HWMR-7 Part V §501	Х			
liner system must include:	264.221(c)(1)(i)	11	18			à
top liner designed and constructed to prevent migration of hazardous constituents into liner for specified period	264.221(c)(1)(i)(A)	н	88			
composite bottom liner consisting of at least two components; upper component to prevent migration of hazardous constituents into this component during specified period; lower component designed and constructed to minimize such migration if upper component is breached; specified thickness and hydraulic conductivity	264.221(c)(1)(i)(B)	11	11			
liners must comply with 264.221(a)(1),(2)&(3)	264.221(c)(1)(ii)	88	400			

3

				STATE ANALOG IS:		
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
relationship between leachate collection and removal system and a "leak detection system"; what system must be capable of; minimum requirements		HWMR-7 Part V §501	X			
bottom slope of 1 percent or more	264.221(c)(2)(i)	11	12			
constructed of: 1) granular drainage materials with 1x10 ⁻¹ cm/sec or more hydraulic conductivity and 12 in. (30.5 cm) or more thickness, or 2) synthetic or geonet drainage materials with 3x10 ⁻⁴ m ² /sec or more transmissivity	264.221(c)(2)(ii)	II	11			
construction material specifications	264.221(c)(2)(iii)	11	11			
designed and operated to minimize clogging during active life and post-closure care period	264.221(c)(2)(iv)	11	788			
specifications for sumps and liquid removal methods	264.221(c)(2)(v)	44	33	-		
collect and remove pumpable liquids in sumps to minimize head on bottom liner	264.221(c)(3)	10	88			

				STATE A	NALOG IS	•
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
what must be demonstrated if leak detection system is not located completely above seasonal high water table	264.221(c)(4)	HWMR-7 Part V §501	Х			
Regional Administrator may approve alternate design or operating practices if owner or operator can demonstrate that design/practices will:	264.221(d)	11	II			
prevent hazardous constituent migration into ground or surface water as effectively as system specified in 264.221(c), and	264.221(d)(1)	Н	11			
allow detection of hazardous constituent leaks through top liner at least as effectively	264.221(d)(2)	11	B 20			
redesignate old 264.221(f) as 264.221(g); add new paragraph on exemption from 264.221(c) for replacement surface impoundment unit	264.221(f)	61				
meets RCRA 3004(o)(1)(A)(i) and (o)(5) design standards	264.221(f)(1)	88	3.6			
no reason to believe liner is not functioning as designed	264.221(f)(2)	88	38			-
old 264.221(f),(g)&(h) become 264.221(g),(h)&(i)	264.221(g)-(i)	11	88			

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FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
ACTION LEAKAGE RATE						
Regional Administrator approval of action leakage rate for surface impoundment units subject to 264.221(c)or(d); definition of action leakage rate; adequate safety margin	264.222(a)	HWMR-7 Part V §501	X			
how to determine if action leakage rate has been exceeded; unless another calculation approved, average daily flow rate calculated weekly, during active life and closure period and monthly during post-closure care period	264.222(b)	11	11		,	
RESPONSE ACTIONS						
approved response action plan before receipt of waste for surface impoundments subject to 264.221(c)or(d); address actions if action leakage rate exceeded; at a minimum plan must describe actions in 264.223(b)	264.223(a)	11	8.0			
responsibilities if flow rate into leak detection system exceeds the action leakage rate for any sump:	264.223(b)	11	18			

APPENDENT OF THE PROPERTY OF T				STATE	ANALOG IS	•
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
notify Regional Administrator in writing within seven days of determination	264.223(b)(1)	HWMR-7 Part V §501	X			
preliminary assessment to Regional Administrator within 14 days of determination; what assessment must address	264.223(b)(2)	II	2 E			
determine location, size and cause of any leak	264.223(b)(3)	H	8.8		·	
determine whether 1) waste receipt should cease or be curtailed, 2) waste should be removed for inspection, repairs, or controls, or 3) unit should be closed	264.223(b)(4)	16	19			
determine short- and longer-term actions to mitigate or stop any leaks	264.223(b)(5)	n	en e		A CONTRACTOR OF THE CONTRACTOR	
within 30 days after Regional Administrator notification, submit the results of 264.223(b)(3)-(5) analyses, the results of actions taken, and actions planned; thereafter, as long as flow rate exceeds action leakage rate, monthly report to Regional Administrator summarizing results of remedial actions taken and actions planned	264.223(b)(6)	30	8 8			

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FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
how the 264.223(b)(3)-(5) determinations must be made:	264.223(c)	HWMR-7 Part V §501	X			
assess the source of liquids and amounts by source	264.223(c)(1)(i)	11	. B			
conduct analyses of liquids in leak detection system to identify sources of liquids and location of leaks, and the hazard and mobility of the liquid	264.223(c)(1)(ii)	14	18			
assess seriousness of leaks	264.223(c)(1)(iii)	11	3.5			
document why assessments not needed	264.223(c)(2)	11				
MONITORING AND INSPECT	TON					
if leak detection system required under 264.221(c)or(d), record amount of liquids removed from each sump, at least weekly during active life and closure period	264.226(d)(1)	HWMR-7 Part V §501	X			
after final cover installed, at least monthly record the amount of liquids removed from each leak detection sump; when quarterly and semi-annual recording allowed; when monthly recording must resume	264.226(d)(2)	18	-			
definition of "pump operating level"	264.226(d)(3)	83				

				STATE A	NALOG IS	•
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
CLOSURE AND POST-CLOS	JRE CARE					
redesignate old 264.228(b)(2) as 264.228(b)(3); add new paragraph addressing maintaining and monitoring leak detection system in accordance with 264.221(c)(2)(iv)&(3) and 264.226(d); comply with other applicable Part 264 leak detection requirements	264.228(b)(2)	HWMR-7 Part V §501	Х			
redesignated 264.228(b)(2) becomes new 264.228(b)(3)	264.228(b)(3)	н	1)			A REAL PROPERTY OF THE PROPERT
redesignated 264.228(b)(3) becomes new 264.228(b)(4)	264.228(b)(4)	11	98	A PARAMETER CONTRACTOR		
	SUBPART L - W	ASTE PILES				
DESIGN AND OPERATING R	EQUIREMENTS					
redesignate old 264.251(c) as 264.251(g); add new paragraph addressing waste piles that must install two or more liners and a leachate collection and removal system above and between these liners; "construction commences" defined under "existing facility"	264.251(c)	HWMR-7 - Part V §501	X			
liner system must include:	264.251(c)(1)(i)	10	111			

top liner designed and constructed to prevent migration of hazardous constituents into liner consisting of at least two components; upper component during specified period to were component during specified period; lower component during specified thickness and hydraulic conductivity liners must comply with 264.251(c)(1)(i)(i) leachate collection and removal system must conditions to ensure leachate depth over liner does not exceed 30 cm (1 ft); leachate collection and removal system must comply with system must comply with collection and removal system must conductions to ensure leachate depth over liner does not exceed 30 cm (1 ft); leachate collection and removal system must comply with system must comply with collection and removal system must conductions to ensure leachate depth over liner does not exceed 30 cm (1 ft); leachate collection and removal system must comply with					STATE A	STATE ANALOG IS:			
constructed to prevent migration of hazardous constituents into liner for serified period 264.251(c)(1)(i)(A) CC.::Josite bottom liner consisting of at least two components; upper component to prevent migration of hazardous constituents into this component during specified period; lower component is breached; specified thickness and hydraulic conductivity Liners must comply with 264.251(a)(1)(i)(iii) Leachate collection and removal system must complete during the active life and post-closure care period; Regional Administrator to specify permit conditions to ensure leachate depth over liner does not exceed 30 cm (1 ft); leachate collection and removal system must comply with	FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	5		STRIN-	STRIN	IN		
consisting of at least two components; upper components to prevent migration of hazardous constituents into this component during specified period; lower component designed and constructed to minimize such migration if upper component is breached; specified thickness and hydraulic conductivity liners must comply with 264.251(a)(1)(i)-(iii) 264.251(c)(1)(ii) leachate collection and removal system must collect and remove leachate from the waste pile during the active life and post-closure care period; Regional Administrator to specify permit conditions to ensure leachate depth over liner does not exceed 30 cm (1 ft); leachate collection and removal system must comply with	constructed to prevent migration of hazardous constituents into liner for	264.251(c)(1)(i)(A)		X					
leachate collection and removal system must collect and remove leachate from the waste pile during the active life and post-closure care period; Regional Administrator to specify permit conditions to ensure leachate depth over liner does not exceed 30 cm (1 ft); leachate collection and removal system must comply with	consisting of at least two components; upper component to prevent migration of hazardous constituents into this component during specified period; lower component designed and constructed to minimize such migration if upper component is breached; specified thickness and hydraulic	264.251(c)(1)(i)(B)	11						
removal system must collect and remove leachate from the waste pile during the active life and post- closure care period; Regional Administrator to specify permit conditions to ensure leachate depth over liner does not exceed 30 cm (1 ft); leachate collection and removal system must comply with		264.251(c)(1)(ii)	10	18		The state of the s			
264.251(c)(3)(iii)&(iv) 264.251(c)(2)	removal system must collect and remove leachate from the waste pile during the active life and post- closure care period; Regional Administrator to specify permit conditions to ensure leachate depth over liner does not exceed 30 cm (1 ft); leachate collection and removal system must comply with								

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FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV-	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
relationship between leachate collection and removal system and the leak detection system; what the leak detection system must be capable of; minimum requirements:	264.251(c)(3)	HWMR-7 Part V §501	X			
bottom slope of 1 percent or more	264.251(c)(3)(i)	ti .	13	A STATE OF THE STA		
constructed of: 1) granular drainage materials with hydraulic conductivity of 1x10 ⁻² cm/sec or more, and 12 in. (30.5 cm) or more thickness; or 2) synthetic or geonet drainage materials with 3x10- ⁵ m ² /sec or more transmissivity	264.251(c)(3)(ii)		3 6			
construction material specifications	264.251(c)(3)(iii)	11	8			
designed/operated to minimize clogging during active life and post-closure care period	264.251(c)(3)(iv)	13	68			
specifications for sumps and liquid removal methods	264.251(c)(3)(v)	п	ÞO			
collect and remove pumpable liquids in leak detection system sumps to minimize head on the bottom liner	264.251(c)(4)	11	88			

			STATE ANALOG IS:			
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
what must be demonstrated if leak detection system not located completely above seasonal high water table	264.251(c)(5)	HWMR-7 Part V §501	X			
redesignate old 264.251(d) as 264.251(h); add new paragraph addressing circumstances under which Regional Administrator may approve alternate design or operating practices if owner/operator can demonstrate that design/practices will:	264.251(d)		II			
prevent hazardous constituent migration into ground or surface water as affectively as system specified in 34.251(c), and	264.251(d)(1)	11	11			
allow detection of hazardous constituent leaks through top liner at least as effectively	264.251(d)(2)	13	on the state of th		one of the second secon	
redesignate old 264.251(e) as 264.251(i); add new paragraph addressing monofills granted a 264.221(e) waiver by Regional Administrator	264.251(e)		88			

			Control of the Contro		STATE A	NALOG IS	
	FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
	redesignate old 264.251(f) as 264.251(j); add new paragraph addressing when a replacement waste pile owner/operator is exempt from 264.251(c)	264.251(f)	HWMR-7 Part V §501	X		·	
	meets RCRA 3004(o)(1)(A)(i) and (o)(5) design standards	264.251(f)(1)	11	660 640 640 640 640 640 640 640 640 640			
	no reason to believe liner is not functioning as designed	264.251(f)(2)	11	50 00			
	old 264.251(c)-(g) become new 264.251(g)-(k)	264.251(f)(g)-(k)	11	8.0			
	ACTION LEAKAGE RATE	,					
5	Regional Administrator approval of action leakage rate for waste pile units subject to 264.251(c) or (d); definition of action leakage rate; adequate safety margin	264.252(a)	11	88	3		·
	how to determine if action leakage rate has been exceeded; unless another calculation approved, average daily flow rate calculated weekly, during active life and closure period	264.252(b)	38		AND THE PROPERTY OF THE PROPER		

	and the second s			STATE A	ANALOG IS	:
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
RESPONSE ACTIONS						•
approved response action plan before receipt of waste for waste piles subject to 264.251(c) or (d); address actions if action leakage rate exceeded; plan must describe actions in 264.253(b)	264.253(a)	HWMR-7 Part V §501	X			
responsibilities if flow rate into leak system exceeds the action leakage rate for any sump:	264.253(b)	n	\$9		The state of the s	
notify Regional Administrator in writing within seven days of determination	264.253(b)(1)	11	***			
preliminary assessment to Regional Administrator within 14 days of determination; what assessment must address	264.253(b)(2)	11	18			
determine location, size and cause of any leak	264.253(b)(3)	10	en en			
determine if 1) waste receipt should cease or be curtailed, 2) waste should be removed for inspection, repairs, or controls, and 3) unit should be closed	264.253(b)(4)	11	10			
determine short- and longer-term actions to mitigate or stop any leaks	264.253(b)(5)	11	9.8			

				STATE A	NALOG IS	•
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
within 30 days after Regional Administrator notification, submit the results of 264.253(b)(3)-(5) analyses, the results of actions taken and actions planned; thereafter, as long as flow rate exceeds action leakage rate, monthly report to Regional Administrator summarizing results of remedial actions taken and actions planned	264.253(b)(6)	HWMR-7 Part V §501	Х			
how the 264.253(b)(3), (4), & (5) determinations must be made	264.253(c)	11	e go			
assess the source of liquids and amounts by source	264.253(c)(1)(i)	18			en goesoo Googles van de gestad de g	
conduct analyses of liquids in leak detection system to identify sources of liquids and location of leaks, and the hazard and mobility of the liquid	264.253(c)(1)(ii)	11	18			
assess seriousness of leaks	264.253(c)(1)(iii)	18	8 8			
document why assessments not needed	264.253(c)(2)	85	80			

				STATE A	ANALOG IS	
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
MONITORING AND INSPECT	ION					
if leak detection system required under 264.251(c), record amount of liquids removed from each sump, at least weekly during active life and closure period	264.254(c)	HWMR-7 Part V §501	X			
	SUBPART N - I	LANDFILLS		<u> </u>	<u> </u>	
DESIGN AND OPERATING R	EQUIREMENTS					
completely revise paragraph; landfills that must install two or more liners and a leachate collection and removal system above and between such liners; "construction commences" defined under "existing facility"	264.301(c)		28			
the liner system must include:	264.301(c)(1)(i)	88	# 55	4	,	
top liner designed and constructed to prevent migration of hazardous constituents into liner for specified period	264.301(c)(1)(i)(A)	99	8.8			

			STATE ANALOG IS:			S:
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADEF IN SCOPE
composite bottom liner consisting of at least two components; upper component to prevent migration of hazardous constituents into this component during specified period; lower component designed and constructed to minimize such migration if upper component is breached; specified thickness and hydraulic conductivity	264.301(c)(1)(i)(B)	HWMR-7 Part V §501	X			
liners must comply with 264.301(a)(1)(i)-(iii)	264.301(c)(1)(ii)	11	14			
leachate collection and removal system must collect and remove leachate from the landfill during the active life and post-closure care period; Regional Administrator to specify permit conditions to ensure leachate depth over liner does not exceed 30 cm (1 ft); leachate collection and removal system must comply with 264.301(c)(3)(iii)&(iv)	264.301(c)(2)	H	15			
relationship between leachate collection and removal system and the leak detection system; what the leak detection system must be capable of; minimum requirements:	264.301(c)(3)	88	\$0			

Comments and the second control of the secon			STATE ANALOG IS:				
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV-	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE	
bottom slope of 1 percent or more	264.301(c)(3)(i)	HWMR-7 Part V §501	X				
constructed of: 1) granular drainage materials with hydraulic conductivity of 1x10 ⁻² cm/sec or more, and 12 in. (30.5 cm) or more thickness; or 2) synthetic or geonet drainage materials with 3x10 ⁻⁵ m ² /sec or more transmissivity	264.301(c)(3)(ii)	11	11				
construction material specifications	264.301(c)(3)(iii)	11	De				
designed/operated to minimize clogging during active life and post-closure care period	264.301(c)(3)(iv)	11	13				
specifications for sumps and liquid removal methods	264.301(c)(3)(v)	11	18				
collect and remove pumpable liquids in leak detection system sumps to minimize head on the bottom liner	264.301(c)(4)		S C				
what must be demonstrated if leak detection system not located completely above seasonal high water table	264.301(c)(5)	28	8 8				

				STATE A	NALOG IS	•
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
completely revise paragraph; Regional Administrator may approve alternate design or operating practices if owner/operator can demonstrate that design/practices will:	264.301(d)	HWMR-7 Part V §501	Х			
prevent hazardous constituent migration into ground or surface water as effectively as system specified in 264.301(c), and	264.301(d)(1)		18			
allow detection of hazardous constituent leaks through top liner at least as effectively	264.301(d)(2)	ti	5 6			
redesignate old paragraph 264.301(f) as 264.301(g); add new paragraph addressing when a replacement landfill owner/operator is exempt from 264.301(c)	264.301(f)	ii	II	:		
meets RCRA 3004(o)(1)(A)(i) and (o)(5) design standards	264.301(f)(1)	ti .	6.0	And the state of t		
no reason to believe liner is not functioning as designed	264.301(f)(2)	11	000 000			
old 264.301(f)-(k) become new 264.301(g)-(l)	264.301(g)-(l)	10	10			

				STATE A	NALOG IS	
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
ACTION LEAKAGE RATE						,
Regional Administrator approval of action leakage rate for landfill units subject to 264.301(c) or (d); definition of action leakage rate; adequate safety margin	264.302(a)	HWMR-7 Part V §501	X			
how to determine if action leakage rate has been exceeded; unless another calculation approved, average daily flow rate calculated weekly, during active and closure period	264.302(b)	11	11			
MONITORING AND INSPECT	ION .					
if leak detection system required 264.301(c) or (d), record amount of liquids removed from each sump at least weekly during the active life and closure period	264.303(c)(1)	11	11	-	1	
after final cover installed, at least monthly record the amount of liquids removed from each leak detection sump; when quarterly and semi-annual recording allowed; when monthly recording must resume	264.303(c)(2)	13				
definition of "pump operating level"	264.303(c)(3)	18	19			

			STATE ANALOG IS:			
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
RESPONSE ACTIONS						
approved response action plan before receipt of waste for landfills subject to 264.301(c) or (d); address actions if action leakage rate exceeded; at a minimum, plan must describe actions in 264.304(b)	264.304(a)	HWMR-7 Part V §501	X			
responsibilities if flow rate into leak detection system exceeds the section leakage rate for any sump	264.304(b)	11	18			
notify Regional Administrator in writing within seven days of determination	264.304(b)(1)	16 .	ES			
preliminary assessment to Regional Administrator within 14 days of determination; what assessment must address	264.304(b)(2)	11	15			
determine location, size and cause of any leak	264.304(b)(3)	30	And the state of t	CONTRACTOR AND		endinacion di accipanta de como Como
determine if 1) waste receipt should cease or be curtailed, 2) waste should be removed for inspection, repairs, or controls, and 3) unit should be closed	264.304(b)(4)	11	80			
determine short- and longer-term actions to mitigate or stop any leaks	264.30,4(b)(5)	88	18			

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FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
within 30 days after Regional Administrator notification, submit the results of 264.304(b)(3)-(5) analyses, the results of actions taken and actions planned; thereafter, as long as flow rate exceeds action leakage rate, monthly report to Regional Administrator summarizing results of remedial actions taken and actions planned	264.304(b)(6)	HWMR-7 Part V §501	X			
how the 264.304(b)(3)-(5) determinations must be made	264.304(c)		19	A CONTRACTOR OF THE PROPERTY O		
assess the source of liquids and amounts by source	264.304(c)(1)(i)	11	10			
conduct analyses is liquids in leak detection satem to identify sources or liquids and location of leaks, and the hazard and mobility of the liquid	264.304(c)(1)(ii)	11	3 8			
assess seriousness of leaks	264.304(c)(1)(iii)	8.9	19			
document why assessments not needed	264.304(c)(2)	ıi	9.6			

			STATE ANALOG IS:						
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE			
CLOSURE AND POST-CLOSURE CARE									
redesignate old 264.310(b)(3) as 264.310(b)(4); add new paragraph addressing maintaining and monitoring leak detection system according to 264.301(c)(3)(iv)&(4) and 264.303(c); comply with other applicable Part 264 leak detection requirements	264.310(b)(3)	HWMR-7 Part V §501	Х						
old 264.310(b)(3)-(5) become 264.310(b)(4)-(6)	264.310(b)(4)-(6)	п	on and						

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

	SUB	PART B - GENERAL F.	ACILITY STANDAR	DS		
	GENERAL INSPECTION REQ	UIREMENTS				
	insert "265.260, 265.278, 265.304"	265.15(b)(4)	HWMR-7 Part VI §601	X	-	
	CONSTRUCTION QUALITY	ASSURANCE PROGRA	M			
Source	CQA program	265.19(a)	88	19		

		STATE ANALOG IS:				
FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE	
265.19(a)(1)	HWMR-7 Part VI §601	X	,			
265.19(a)(2)	11	13				
265.19(a)(2)(i)	II	11				
265.19(a)(2)(ii)	11	11				
265.19(a)(2)(iii)		18				
265.19(a)(2)(iv)	11	11				
265.19(a)(2)(v)	II	685 800				
265.19(a)(2)(vi)	18	an eas	·			
		15				
	265.19(a)(1) 265.19(a)(2) 265.19(a)(2)(ii) 265.19(a)(2)(iii) 265.19(a)(2)(iii) 265.19(a)(2)(iv) 265.19(a)(2)(v)	FEDERAL RCRA CITATION HWMR-7 Part VI §601 265.19(a)(2) 265.19(a)(2)(ii) 265.19(a)(2)(iii) 265.19(a)(2)(iii) 265.19(a)(2)(iv) 265.19(a)(2)(iv) 11 12 13 14 15 16 17 17 18 18 18 19 19 19 19 10 10 11 11 11 11	### ALENT HWMR-7	### ANALOGOUS STATE CITATION LESS STRINGENT #### HWMR-7	### ANALOGOUS STATE CITATION LESS STRIN- ALENT GENT #### HWMR-7 Part VI \$601 X X X X X X X X X	

				STATE	ANALOG IS	
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
identification of applicable units and how they will be constructed	265.19(b)(1)	HWMR-7 Part VI §601	X			
identification of key CQA plan development and implementation personnel; CQA officer qualifications	265.19(b)(2)	и	18			
inspection and sampling activities' description; what must be described	265.19(b)(3)	П	600 600			
contents of program	265.19(c)	18 -	11			
must include observations, inspections, tests, and measurements sufficient to ensure:	265.19(c)(1)	11	# 8			
structural stability and integrity of 265.19(a)(2) units	265.19(c)(1)(i)	11	9 8			
proper construction according to permit specifications and good engineering practices, and proper installation according to design specifications	265.19(c)(1)(ii)	1)	117			
material conformity with design and other material specifications under 264.221, 264.251, and 264.301	265.19(c)(1)(iii)	11	. S. G.			

				STATE A	NALOG IS	-
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
test fills for compacted soils liners, using full scale compaction methods to ensure liners are constructed to meet specific hydraulic conductivity requirements; compliance verified by insitu testing on constructed test fill; conditions under which test fill requirement may be waived		HWMR-7 Part VI §601	Х			
certification to Regional Administrator at least 30 days before receiving waste; signed by CQA officer stating that CQA plan has been successfully carried out and that the unit meets specific requirements; may receive wastes in unit after 30 days from the Regional Administrator's receipt of the CQA, unless Regional Administrator determines in writing that construction is not acceptable or extends review period for 30 days or seeks additional information; CQA documentation	265.19(d)					

				STATE A	NALOG IS	:
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
SUBPART E - M	ANIFEST SYSTEM, RE	CORDKEEPING AN	ID REP	ORTIN	G	
OPERATING RECORD						
replace "when required by" with ", and corrective action where required by subpart F and"; insert "265.19" before "265.90"; insert "265.222, 265.223, 265.226, 265.255, 265.259, 265.260" after "265.195" and "265.302 - 265.304" after "265.280(d)(1)"	265.73(b)(6)	HWMR-7 Part VI §601	X			
S	UBPART K - SURFACE	IMPOUNDMENTS		***************************************		
DESIGN AND OPERATING R	EQUIREMENTS	anterioren yr 1864 de deleter en				
completely revise paragraph; surface impoundment units that must install two or more liners and a leachate collection and removal system between such liners and operate leachate collection and removal systems in accordance with 264.221(c), "construction commences" defined under "existing facility"	265.221(a)	HWMR-7 Part VI §601	X			
revise paragraph; when a replacement surface impoundment unit is exempt from 265.221(a):	265.221(c)	10	COS		AND THE REAL PROPERTY	WANT COMMON TO THE PROPERTY OF

				STATE	ANALOG IS	:
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV-	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
constructed in compliance with RCRA 3004(o)(1)(A)(i) and (o)(5) design standards	265.221(c)(1)	HWMR-7 Part VI §601	X			
no reason to believe liner is not functioning as designed	265.221(c)(2)	ti	8.5			And the second s
redesignate old paragraph 265.222(a) as 265.221(f)	265.221(f)	11	13			A STATE OF THE STA
redesignate old paragraph 265.222(b) as 265.221(g)	265.221(g)	16	19			
ACTION LEAKAGE RATE						
redesignate old 265.222(a) as 265.221(f); add new paragraph addressing proposed action leakage rate to Regional Administrator when submitting 265.221(b) notice; within 60 days of receipt, Regional Administrator will establish action leakage rate or extend review period; when the proposed rate will be approved	265.222(a)	11	11			
redesignate old 265.222(b) as 265.221(g); add new paragraph addressing Regional Administrator approval of action leakage rate for 265.221(a) units; definition of action leakage rate; adequate safety margin	265.222(b)	83				

				STATE A	ANALOG IS	
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
how to determine if action leakage rate has been exceeded; unless another calculation approved, average daily flow rate calculated weekly during active life and closure period, and monthly during post-closure care period	265.222(c)	HWMR-7 Part VI §601	Х			
RESPONSE ACTIONS				gang and de Comme 1 State on the Andrews of State on the	Walter Co. 1	garand and Electric Control of the C
if unit subject to 265.221(a), then must submit a response action plan to the Regional Administrator when submitting 265.222 proposed action leakage rate; must set forth actions to be taken if action leakage rate is exceeded; content as specified in 265.223(b)	265.223(a)	11	11			
responsibilities if flow rate into leak detection system exceeds the action leakage rate for any sump:	265.223(b)	11	TO TO			
notify Regional Administrator in writing within seven days of determination	265.223(b)(1)	18	8 8			
preliminary assessment to Regional Administrator within 14 days of determination; what assessment must address	265.223(b)(2)	10	88			

em mentalah dinggangganggangganggan panah menganggan dinaksi panah dinaksi din			STATE ANALOG IS:				
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE	
determine location, size and cause of any leak	265.223(b)(3)	HWMR-7 Part VI §601	X		-	·	
determine whether 1) waste receipt should cease or be curtailed, 2) waste should be removed for inspection, repairs, or controls, and 3) unit should be closed	265.223(b)(4)	11	88				
determine short- and longer-term actions to mitigate or stop any leaks	265.223(b)(5)	11	10 E				
within 30 days after Regional Administrator notification, submit the results of 265.223(b)(3)-(5) analyses, the results of actions taken, and actions planned; thereafter, as long as flow rate exceeds action leakage rate, monthly report to Regional Administrator summarizing		18					
results of remedial actions taken and actions planned	265.223(b)(6)				west of Communication and the Communication		
how the 265.223(b)(3), (4) & (5) determinations must be made	265.223(c)	18					
assess the source of liquids and amounts by source	265.223(c)(1)(i)	18	9 8				

				STATE A	ANALOG IS	:
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
conduct analyses of liquids in leak detection system to identify sources of liquids and location of leaks, and the hazard and mobility of the liquid	265.223(c)(1)(ii)	HWMR-7 Part VI §601	X			
assess seriousness of leaks	265.223(c)(1)(iii)	18	11			
document why assessments not needed	265.223(c)(2)	12	18			
MONITORING AND INSPECT	ION					
if leak detection system required under 265.221(a), record amount of liquid removed from each sump, at least weekly during active life and closure period	265.226(b)(1)	12	11			
after final cover installed, record amount of liquids at least monthly; when quarterly and semi-annual recording allowed; when monthly recording must resume	265.226(b)(2)	te	113			
"pump operating level" defined	265.226(b)(3)	11	88			

			STATE ANALOG IS:				
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE	
CLOSURE AND POST-CLOSU	JRE CARE						
redesignate old 265.228(b)(2) as 265.228(b)(3); add new paragraph regarding maintaining and monitoring the leak detection system in accordance with 265.221(c)(2)(iv) and (3) and 265.226(b) and comply with other applicable Part 265 leak detection system requirements	265.228(b)(2)	HWMR-7 Part VI §601	X				
redesignated 265.228(b)(2) becomes new 265.228(b)(3)	265.228(b)(3)	н	ene en	A Proposition of the Contract			
redesignated 265.228(b)(3) becomes new 265.228(b)(4)	265.228(b)(4)	16					
	SUBPART L - W	ASTE PILES				-	
DESIGN AND OPERATING R	EQUIREMENTS						
completely revise section; waste piles which must install two or more liners and a leachate collection and removal system in accordance with 264.251(c) unless exempt under 264.251(d), (e) or (f); compliance with 265.221(b) procedures; "construction commences" defined under "existing"							
facility"	265.254						

	-		STATE ANALOG IS:			
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
ACTION LEAKAGE RATES						
proposed action leakage rate to Regional Administrator when submitting 265.254 notice; within 60 days of receipt, Regional Administrator will establish action leakage rate or extend review period; when the proposed rate will be approved	265.255(a)	HWMR-7 Part VI §601	X			
8 Regional Administrator approval of action leakage rate for 265.254 units; definition of action leakage rate; adequate safety margin	265.255(b)	Н	8.6			,
how to determine if action leakage rate has been exceeded; unless another calculation approved, average daily flow rate calculated weekly during active life and closure period	265.255(c)	ii	11			

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
RESPONSE ACTIONS						
if unit subject to 265.254, then must submit a response action plan to the Regional Administrator when submitting 265.255 proposed action leakage rate; must set forth actions to be taken if action leakage rate is exceeded; content as specified in 265.259(b)	265.259.(a)	HWMR-7 Part VI §601	X			
responsibilities if flow rate into leak detection system exceeds the action leakage rate for any sump:	265.259(b)	II	18			
notify Regional Administrator in writing within seven days of determination	265.259(b)(1)	11	8.0			
preliminary assessment to Regional Administrator within 14 days of determination; what assessment must address	265.259(b)(2)	п	8.5	en e		
determine location, size and cause of any leak	265.259(b)(3)	n	\$6			
determine whether 1) waste receipt should cease or be curtailed, 2) waste should be removed for inspection, repairs, or controls, and 3) unit should be closed	265.259(b)(4)	88	00			

ensemblement of the control of the c			STATE ANALOG IS:			•
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
determine short- and longer-term actions to mitigate or stop any leaks	265.259(b)(5)	HWMR-7 Part VI §601	Х			
within 30 days after Regional Administrator notification, submit the results of 265.259(b)(3)-(5) analyses, the results of actions taken and actions planned thereafter, as long as flow rate exceeds action leakage rate, monthly report to Regional Administrator summarizing results of remedial actions taken and actions planned	265.259(b)(6)	11	11			
how the 265.259(b)(3),(4) & (5) determinations must be made:	265.259(c)	10	18 `			
assess the source of liquids and amounts by source	265.259(c)(1)(i)	11	18			
conduct analyses of liquids in leak detection system to identify sources of liquids and location of leaks, and the hazard and mobility of the liquid	265.259(c)(1)(ii)	18	88			
assess seriousness of leaks	265.259(c)(1)(iii)	10	19			700000000000000000000000000000000000000
document why assessments not needed	265.259(c)(2)	10	8 69			

Puping channels in the control of th				STATE A	ANALOG IS	
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
MONITORING AND INSPECT	ION		y			
if leak detection system required under 265.254, record amount of liquids removed from each sump, at least weekly during active life and closure period	265,269	HWMR-7 Part VI §601	X		:	
	SUBPART N	LANDFILLS				
DESIGN AND OPERATING R	EQUIREMENTS					
completely revise paragraph; landfills which must install two or more liners and a leachate collection and removal system above and between such liners, and operate in accordance with 264.301(d), (e) (f); "construction commences" defined under "existing facility"	265.301(a)	11	11		_	
revise paragraph; when a landfill owner/operator is exempt from 265.301(a)	265.301(c)	98	000 000 000 000 000 000 000 000 000 00	A many of the property of the		Windowski (2007) and the state of the state
meets RCRA 3004(o)(1)(A)(i) and (o)(5) design standards	265.301(c)(1)) E	99			
no reason to believe liner is not functioning as designed	265.301(c)(2)	88	88			
redesignated 265.302(a), (b), (c) & (d) became new 265.301(f), (g), (h) and (i)	265.0 /1 (f)-(i)	16	88			

				STATE	ANALOG IS	
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
ACTION LEAKAGE RATE						
redesignate old 265.302(a) as 265.301(f); add new paragraph addressing proposed action leakage rate to Regional Administrator when submitting 265.301(b) notice; within 60 days of receipt Regional Administrator will establish action leakage rate or extend the review period; when the proposed rate will be approved	265.302(a)	HWMR-7 Part VI §601	X			
redesignate old 265.302(b) as 254.301(g); add new paragraph addressing Regional Administrator approval of action leakage rate for 265.301(a) units; definition of action leakage rates; adequate safety margin	265.302(b)	11				
redesignate old 265.302(c) as 265.301(h); add new paragraph addressing how to determine if action leakage rate has been exceeded; unless another calculation approved, average daily flow rate calculated weekly during active life and closure period, and monthly during post-closure care period	265.302(c)	98	16			

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FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
old 265.302(d) becomes 265.301(i)	265.302(d)	HWMR-7 Part VI §601	X			
RESPONSE ACTIONS		•				
if unit subject to 265.301(a), then must submit a response action plan to the Regional Administrator when submitting 265.302 proposed action leakage rate; must set forth actions to be taken if action leakage rate is exceeded; content as specified in 265.303(b)	265.303(a)					
responsibilities if flow rate into leak detection system exceeds the action leakage rate for any sump:	265.303(b)	86				
notify Regional Administrator in writing within seven days of determination	265.303(b)(1)	15	8 8			
preliminary assessment to Regional Administrator within 14 days of determination; what assessment must address	265.303(b)(2)	88				
determine location, size and cause of any leak	265.303(b)(3)	88	88			

				STATE	NALOG IS	•
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
determine whether 1) waste receipt should cease or be curtailed, 2) waste should be removed for inspection, repairs, or controls, and 3) unit should be closed	265.303(b)(4)	HWMR-7 Part VI §601	X			
determine short- and longer-term actions to mitigate or stop any leaks	265.303(b)(5)	II	8.8			
within 30 days after Regional Administrator notification, submit the results of 265.303(b)(3)-(5) analyses, the results of actions taken and actions planned; thereafter, as long as flow rate exceeds action leakage rate, monthly report to Regional Administrator summarizing results of remedial actions taken and actions planned	265.303(b)(6)	fi				
how the 265.303(b)(3), (4) & (5) determinations must be made:	265.303(c)	12	18	Association of the continuous and the continuous an		
assess the source of liquids and amounts by source	265.303(c)(1)(i)	10	645 GTP	A CONTRACTOR OF THE PROPERTY O		The state of the s
conduct analyses of liquids in leak detection system to identify sources of liquids and location of leaks, and the hazard and mobility of the liquid	265.303(c)(1)(ii)	н	88			
assess seriousness of leaks	265.303(c)(1)(iii)	18	18			

			STATE ANALOG IS:				
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE	
document why assessments not needed	265.303(c)(2)	HWMR-7 Part VI §601	X				
MONITORING AND INSPECT	ION						
if leak detection system required under 265.301(a), record amount of liquids removed from each sump, at least weekly during active life and closure period	265.304(a)	11	11				
after final cover installed, record amount of liquid at least monthly; when quarterly and semiannual recording allowed; when monthly recording must resume	265.304(b)	13	11				
definition of "pump operating level"	265.304(c)	11	CE C				
CLOSURE AND POST-CLOS	URE CARE						
redesignate old 265.310(b)(2) as 265.310(b)(3); add new paragraph addressing maintaining and monitoring the leak detection system in accordance with 264.301(c)(3)(iv) & (4), and 265.304(b); comply with other applicable Part 265 leak detection system		16	66				
requirements	265.310(b)(2)						

end make in the common that th			STATE ANALOG IS:			
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
redesignated 265.310(b)(2), (3) & (4) become 265.310(b)(3), (4) & (5)	265.310(b)(3)-(5)	HWMR-7 Part VI §601	X			

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

SUBPART A - GENERAL INFORMATION

EFFECT OF A PERMIT				······································		erigamon sull'accioni NV de describende emissione de senies
paragraph is reorganized so that requirements not included in a permit are subparagraphs (a)(1)&(2); add a third subparagraph addressing Part 264 requirements regarding leak detection systems for new and replacement surface impoundments, waste piles, landfills and lateral expansion of such units; what the leak detection system requirements include	270.4(a)	HWMR-7 Part IX §901	Х			
	270.4(a)(1)	11				
	270.4(a)(2)	II	3.5			
	270.4(a)(3)	11	5.0	3	1	

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FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADEF IN SCOPE	
	SUBPART B - PERMI	T APPLICATION					
SPECIFIC PART B INFORMA	TION REQUIREMENTS	FOR SURFACE IM	POUN	OMENT	S		
remove "or will be" after "impoundment is" and insert "and is or will be" after "designed"; insert "264.19," "264.222," and "264.223 of this chapter"; replace the last sentence with the following clause: ", addressing the following items:"	270.17(b)	HWMR-7 Part IX §901	X				
redesignate old 270.17(b)(2) as 270.17(b)(6); add new paragraph addressing double liner and leak (leachate) detection, collection and removal system if unit must meet 264.221(c) requirements; submission if seeking 264.221(d), (e) or (f) exemption	270.17(b)(2)	11	11				
redesignate old 270.17(b)(3) as 270.17(b)(7); add new paragraph addressing information required if surface impoundment is located in a saturated zone	270.17(b)(3)						
construction quality assurance plan, if required	270.17(b)(4)	13	88			·	

the control of the co				STATE	ANALOG IS	•
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
proposed action leakage rate with rationale and response action plan if required	270.17(b)(5)	HWMR-7 Part IX §901	X			
redesignated 270.17(b)(2)&(3) became new 270.17(b)(6)&(7)	270.17(b)(6)&(7)	п	8 8			
replace "liner and" with "double liner system, leak detection system"; replace "§ 264.226(a) and (b)" with "§ 264.226(a), (b) and (d) of this chapter"	270.17(c)	п	11			
SPECIFIC PART B INFORMA	TION REQUIREMENTS	FOR WASTE PILE	S			A CONTRACTOR OF THE CONTRACTOR
insert "waste" before "pile"; remove "or will be" after pile is"; insert "and is or will be" after "designed"; insert		u	22			
"264.19" "264.252" and "264.253 of this chapter"; replace last sentence with following clause: "addressing the following items:"	270.18(c)			• :		· ·

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FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
redesignate old 270.18(c)(1) as 270.18(c)(1)(i); after parenthetical clause addressing existing portion, insert "if the waste pile must meet the requirements of § 264.251(a) of this chapter"; replace "§ 264.252(b), the owner or operator must submit" with "§ 264.251(b) of this chapter, submit"	270.18(c)(1)(i)	HWMR-7 Part IX §901	X			
double liner and leak (leachate) detection, collection, and removal system if must meet 264.251(c) requirements; submission if seeking a 264.251(d), (e) or (f) exemption	270.18(c)(1)(ii)	11	11			
information required if leak detection system is located in a saturated zone	270.18(c)(1)(iii)	11	ens ensemble de la constitución		Apparation of the former of the forether of the former of the former of the former of the former of	
construction quality assurance plan if required	270.18(c)(1)(iv)	18	18			
proposed action leakage rate with rationale and response action plan if required	270.18(c)(1)(v)	10	50 00	en e		

An exercision of the second of				STATE	ANALOG IS	
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
replace "liner" with "double liner system, leachate collection and removal system, leak detection system, cover system"; replace "264.254(a) and (b)" with "264.254(a), (b) and (c) of this chapter"	270.18(d)	HWMR-7 Part IX §901	X			
SPECIFIC PART B INFORMA	TION REQUIREMENTS	FOR LANDFILLS	-			
remove "or will be" after "landfill is" and insert "and is or will be" after "designed"; insert "264.19" and "264.302 and 264.303 of this chapter"; replace the last sentence with the following clause: ", addressing the following items:"	270.21(b)		15			
redesignate old 270.21(b)(1) as 270.21(b)(1)(i); remove "and leachate collection and removal system"; add "if the landfill must meet the requirements of §264.301(a) of this chapter" to first sentence; add "of this chapter" after "264.301(b)"; after "alternate" change "design" to "designs"; after "any hazardous" change "constituent" to "constituents"	270.21(b)(1)(i)					

		and the state of t	Land	STATE	ANALOG IS	
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
double liner and leak (leachate) detection, collection, and removal system if must meet 264.301(c) requirements; submission if seeking exemption under 264.301(d), (e) or (f)	270.21(b)(1)(ii)	HWMR-7 Part IX §901	х			
information required if leak detection system located in a saturation zone	270.21(b)(1)(iii)	11				
construction quality assurance plan if required	270.21(b)(1)(iv)	11	3 8			
proposed action leakage rate, with rationale and response action plan if required	270.21(b)(1)(v)	11	8 8			
remove "liner and" and insert "double liner system, feachate collection and emoval system,"; after "cover system" insert "and appurtenances for control or run-on and run-off,"; replace "264.303(a) and (b)" with "264.303(a), (b), and (c) of this chapter"; in last sentence, replace "should" with "must"	270.21(d)					

And the property of the second			STATE ANALOG IS:							
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE				
SUBPART D - CHANGES TO PERMIT										
PERMIT MODIFICATION AT	THE REQUEST OF TH	E PERMITTEE								
add the "7. a. & b." entries under "B. General Facility Standards"; add the "6., and 7. a., b. & c." entries under "H. Surface Impoundments"; add the entries "7., and 8. a., b. & c." entries under "J. Landfills and Unenclosed Waste 270.42/Piles"	270.42/Appendix I	HWMR-7 Part IX §901	X							

- This section is considered to be both a HSWA and a Non-HSWA provision. It is Non-HSWA only to the extent that it applies to the final cover requirements for the Construction Quality Assurance Program.
- ² Note that there is a typographical error in the <u>Federal Register</u>; "COA" should be "CQA."
- Note that there is a technical error in the <u>Federal Register</u>; "1x10⁻⁷/cm/sec" should be "1x10⁻⁷cm/sec."
- ⁴ Note that there are two technical errors in the <u>Federal Register</u>; "1x10/1/cm/sec" should be "1x10-1cm/sec" and 3x10/4/m²sec" should be 3x10-4m²/sec."
- Note that there is a typographical error in the <u>Federal Register</u>; "surface impoundment" should be "waste pile."
- Note that there is a technical error in the <u>Federal Register</u>; "paragraphs (3)(c)(iii) and (iv)" should be "paragraphs (c)(3)(iii) and (iv)."
- Note that there is a typographical error in the <u>Federal Register</u>; "surface impoundment" should be "landfill."
- Note that there is a typographical error in the <u>Federal Register</u>; "surface impoundment" should be "waste pile."

 9 Note that in the <u>Federal Register</u> this section is incorrectly designated as 270.21(c).

RCRA REVISION CHECKLIST 101

Administrative Stay for the
Requirement that Existing Drip Pads Be Impermeable
57 FR 5859-5861
February 18, 1992
(RCRA Cluster II, Both HWSA and Non-HWSA provisions)

Note: This Revision Checklist addresses an administrative stay of the requirements for drip pad coating, sealers, or covers for existing drip pads at wood preserving plants until October 31, 1992. A previous administrative stay addressed by Revision Checklist 91 (56 FR 27332; June 13, 1991) affected new drip pads and has no ending date. Note that in the Federal Register the stay was placed at 264.572(a)(4). The rule (56 FR 30192; July 1, 1991) addressed by Revision Checklist 92 redesignated 264.572(a)(4) as 264.573(a)(4). Because of this redesignation, the administrative stay for new drip pads, unfortunately, does not appear in the July 1, 1991 CFR.

			STATE ANALOG IS:			
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

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

SUBPART W - DRIP PADS

RCRA REVISION CHECKLIST 101: Administrative Stay for the Requirement that Existing Drip Pads be Impermeable (cont'd)

			STATE ANALOG IS:				
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE	

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

SUBPART W - DRIP PADS

DESIGN AND OPERATION	NG REQUIREMENTS				
add note addressing administrative stay until October 30, 1992, for the coating, sealer, or cover requirements for existing drip pads	265.443(a)(4)/note	HWMR-7 Part V § 601 & §602 A.B.	X		

RCRA REVISION CHECKLIST 102

Second Correction to the Third Third Land Disposal Restrictions 57 FR 8086-8089 March 6, 1992 (RCRA Cluster II, HSWA provisions)

- Note: 1) The rule addressed by this checklist corrects errors and clarifies the language in the preamble and regulations of the June 1, 1990 (55 FR 22520; Revision Checklist 78) Third Third Land Disposal Restrictions rule. This rule was also modified by a January 31, 1991 (56 FR 3864; Revision Checklist 83) final rule. States that have already adopted Revision Checklists 78 and 83 are strongly encouraged to apply for the changes addressed by this checklist as soon as possible. Those that have not yet adopted the Third Third Land Disposal Restrictions are strongly encouraged to apply for the provisions in Revision Checklists 78, 83 and 102 at the same time.
- 2) This checklist may be subject to change in the future. EPA's State and Regional 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 <u>CFR</u> 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.

- Carried to Company and Company of Company			STATE ANALOG IS:						
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE			
PART 264 - STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT, STORAGE, AND DISPOSAL FACILITIES									
	SUBPART B - GENERAL	FACILITY STAND	ARDS						
GENERAL WASTE ANA	LYSIS								
add sentence regarding what information, at a minimum, the waste analysis must contain	264.13(a)(1)	HWMR-7 Part V §501	X						

US EPA ARCHIVE DOCUMENT

RCRA REVISION CHECKLIST 102: Second Correction to the Third Third Land Disposal Restrictions (cont'd)

ADDITION TO THE PROCESSION OF THE PARTY AND ADDITIONAL			STATE ANALOG IS:							
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER :N SCOPE				
PART 265 - INTERIM STATUS STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT, STORAGE, AND DISPOSAL FACILITIES										
SUBPART B - GENERAL FACILITY STANDARDS										
GENERAL WASTE ANA	LYSIS									
add sentence regarding what information, at a minimum, the waste analysis must contain	265.13(a)(1)	HWMR-7 Part VI §601	Х							
	PART 268 - LAND DISF	OSAL RESTRICTI	ONS							
	SUBPART A	- GENERAL								
DILUTION PROHIBITED	AS A SUBSTITUTE FOR	RTREATMENT								
after reference to 268.42, add the following clause: ", or unless the waste is a D003 reactive cyanide wastewater or nonwastewater"	268.3(b)	HWMR-7 Part VIII §801	Х	,						

RCRA REVISION CHECKLIST 102: Second Correction to the Third Third Land Disposal Restrictions (cont'd)

			apang pantunan nggapan kanan sarah pantunan kanan 1994, pantunan benda 1994 anda manun 1995 (1944 anda an		STATE A	NALOG (S:				
	FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE			
	SUBPART D - TREATMENT STANDARDS									
	TREATMENT STANDAR	DS EXPRESSED AS CO	NCENTRATIONS	IN WAS	STE EXT	RACT				
1	change "K031" to "D031" and remove "P038": remove ". Table CCWE identifies the restricted wastes D004, D008, K031, K084, K101, K102, P010, P011, P012, P036, P038, and U136"; also change "method" to "methods" before "in Appendix I"; remove "Appendix I of this part or" before "Appendix II of 40 CFR part 261"; add to the last sentence: ", unless otherwise noted in the following Table CCW"	268.41(a)	HWMR-7 Part VIII §801	X						
	TREATMENT STANDAR	DS EXPRESSED AS SP	ECIFIED TECHNO	LOGIE	S		ing particular and a state of the particular and a state of the particular and a state of the particular and a			
	revise the entry for "Reactive Sulfides based on 261.23(a)(5)" under D003	268.42(a)/Table 2	п	S S S S S S S S S S S S S S S S S S S	Andreas and the state of the st					

Note that there are typographical errors in the <u>Federal Register</u> addressed by this checklist. The change from K031 to D031 appears to be incorrect; "D031" should be "K031." There will be a technical correction in the future. Also, after "Appendix I of this part" in column 2 of page 57 <u>FR</u> 8089 of 268.41(a), "<u>for</u> the allowable" appears to have been incorrectly changed to "<u>of</u> the allowable."

RCRA REVISION CHECKLIST 103

Hazardous Debris Case-by-Case Capacity Variance 57 FR 20766-20770 May 15, 1992 (RCRA Cluster II, HSWA provisions)

Note: This rule provides an extension of the Land Disposal Restrictions effective date until May 8, 1993 for hazardous waste debris. The extension adopted by the rule includes more types of debris than granted a national capacity extension in the Third Third Land Disposal Restriction rule promulgated on June 1, 1990 (55 FR 22520, Revision Checklist 78). In that rule only inorganic solid debris and other debris contaminated with a waste whose treatment standard was based on incineration, mercury retorting or vitrification received a variance. Debris not covered by this variance includes debris contaminated with listed solvent or dioxin waste covered by the RCRA §3004(e) prohibition and debris contaminated with non-liquid "California List Wastes" pursuant to RCRA §3004(d) because the limit for granting national and case-by-case capacity extensions for these wastes has expired.

			STATE ANALOG IS:			
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
	PART 268 - LAND DIS	POSAL RESTRICTION	ONS	***************************************		
St	JBPART C - PROHIBITION	ONS ON LAND DISE	POSAL			
WASTE SPECIFIC PROH	BITIONS-THIRD THIRD	WASTES				
effective May 8, 1993, prohibition from land disposal of debris contaminated with 268.10, 268.11 and 268.12 wastes and debris contaminated with any characteristic waste having Subpart D. Part 268 treatment		HWMR-7 Part VIII §801	X			

268.35(e)

standards

RCRA REVISION CHECKLIST 104

Used Oil Filter Exclusion
57 FR 21524-21534
May 20, 1992
(RCRA Cluster II, HSWA provisions)

Note: The final rule addressed by this Revision Checklist preserves the status quo for used oil destined for disposal and exempts, from the definition of hazardous waste, certain types of used oil filters. The Agency is not taking final action, at this time, on a listing determination and/or management standards for used oils that are recycled as proposed in 1985 and 1991. It will, in the near future, make a final decision on such a listing under the authority of RCRA section 3014. The Agency may also propose standards controlling the burning of used oil in boilers and furnaces at a later date.

The standards addressed by this checklist narrow the scope of the Toxicity Characteristic (TC) rule promulgated pursuant to HSWA authority, as well as the characteristics of EP toxicity regulations promulgated under non-HSWA authority; thus, authorized States are not required to adopt them.

			STATE ANALOG IS:			
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	MORE STRIN- GENT	LESS STRIN- GENT	BROADER IN SCOPE

PART 261 - IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

SUBPART A - GENERAL

† EXCLUSIONS non-terne plated used oil filters not mixed with HWMR-7 χ waste listed in Part 261, Part II §201 subpart C if oil filters have been gravity hotdrained using one of the 261.4(b)(15) following methods: puncturing the filter anti-drain back valve of the filter dome end and 261.4(b)(15)(i) hot-draining hot-draining and 9.8 261.4(b)(15)(ii) crushing

RCRA REVISION CHECKLIST 104: Used Oil Filter Exclusion (cont'd)

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FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	MORE STRIN- GENT	LESS STRIN- GENT	BROADER IN SCOPE			
PART 261 -	PART 261 - IDENTIFICATION AND LISTING OF HAZARDOUS WASTE								
dismantling and hot- draining	261.4(b)(15)(iii)	HWMR-7 Part II §201	X						
any other equivalent hot-draining method which will remove used oil	261.4(b)(15)(iv)	11	83						

CL104.13 - 07/28/92

[Printed: 12/18/92]

RCRA REVISION CHECKLIST 105

Recycled Coke By-Product Exclusion 57 FR 27880-27888 June 22, 1992 (RCRA Cluster II, HSWA provisions)

Note: This Revision Checklist excludes from the definition of solid waste certain coke by-product plant residues that exhibit the Toxicity Characteristic (TC). The final rule reduces the scope of the Federal program; therefore, authorized States are not required to modify their programs to adopt this checklist. Although States are not required to adopt this checklist, EPA strongly encourages States to do so as quickly as possible in order to minimize disruption to legitimate recycling practices currently taking place in the coking industry.

Special Note: While this checklist is considered an optional checklist, States that adopt the Coke Oven Administrative Stay introduced by Revision Checklist 98 (56 FR 43874) should either remove their analog to the note that follows 266.100(a) or state in their regulations that this stay ends on June 22, 1992.

					STATE AN	ALOG IS:				
			ANALOGOUS STATE	EQUIV-	LESS STRIN-	MORE STRIN-	BROADER IN			
	FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	CITATION	ALENT	GENT	GENT	SCOPE			
	PART 261 - IDENTIFICATION AND LISTING OF HAZARDOUS WASTE									
	SUBPART A - GENERAL									
t	† EXCLUSIONS									
	replace existing paragraph with new paragraph excluding from definition of solid waste K087 and other wastes from coke byproducts that are hazardous only because they exhibit the Toxicity Characteristic when recycled as specified; exclusion is conditioned on there being no land disposal of the wastes from point of generation to recycling point	261.4(a)(10)	HWMR-7 Part II §201	X						
	PART 266 - STANDARI		MENT OF SPECIFIC C TYPES	HAZARI	DOUS V	VASTE	S AND			
	SUBPART H - HAZA	RDOUS WASTE BURNE	D IN BOILERS AND	O INDUST	TRIAL F	-URNA	CES			
t,1	APPLICABILITY									
	remove note addressing the Administrative Stay for coke ovens processing coke by-product wastes exhibiting the toxicity characteristic identified in 266.100(a)	266.100(a),note	HWMR-7 Part VII §701	X						

SPA 13

RCRA REVISION CHECKLIST 106

Lead-bearing Hazardous Materials
Case-by-Case Capacity Variance
57 FR 28628-28632
June 26, 1992
(RCRA Cluster II, HSWA provisions)

Note: This Revision Checklist is the third checklist affecting the prohibitions on land disposal of lead-bearing hazardous wastes. The two previous checklists include Revision Checklists 78 and 83. The final rule addressed by this checklist provides a one-year extension (until May 8, 1993) to the LDR effective date for owners and operators of secondary lead smelters who are engaged in the reclamation of lead-bearing hazardous materials. States adopting Revision Checklists 78 and 83 are encouraged to adopt the provisions of this checklist simultaneously. States which have already adopted the Revision Checklists 78 and 83 provisions are encouraged to adopt Revision Checklist 106 as soon as possible.

			STATE ANALOG IS:				
FEDERAL REQUIREMENTS	FEDERAL SCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE	
	PART 268 - LAND DIS	POSAL RESTRICT	IONS				
S	UBPART C - PROHIBIT	IONS ON LAND DI	SPOSAL				
WASTE SPECIFIC PRO	HIBITIONS - THIRD THI	RD WASTES					
remove "DOCE (lead materials stored before secondary smelting);" before "and D009"	268.35(c)	HWMR-7 PART VIII §801		, X			

[Printed: 6/26/93]

RCRA REVISION CHECKLIST 106: Lead-bearing Hazardous Materials Case-by-case Capacity Variance (cont'd)

			STATE ANALOG IS:			
Federal requirements	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
effective May 8, 1993, prohibition from land disposal of D008 lead materials stored before secondary smelting; submission of binding contractual commitment, documentation and detailed schedule for specified construction, and providing specified capacity, by March 1, 1993; D008 prohibited from land disposal by fallure to submit documentation; placed in facility record by July 27, 1992, documentation demonstrating that such management capacity will be adequate and compiles with all applicable Subtitle C		HWMR-7 PART VIII § 801	X			
requirements	268.35(k)	У		9	:	