US ERA ARCHIVE DOCUMENT

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#### RCRA REVISION CHECKLIST 81

Petroleum Refinery Primary and Secondary
Oil/Water/Solids Separation Sludge Listings (F037 and F038)
55 FR 46354-46397
November 2, 1990
as amended on December 17, 1990, at 55 FR 51707
(RCRA Cluster I, HSWA)

Following the promulgation of the two rules addressed by this checklist, an interim final rule (56 FR 21955; May 13, 1991; Revision Checklist 89) revised the definition of wastes subject to the F037 and F038 listings. That rule also clarified that, with regard to F038, floats generated in aggressive biological treatment units are not included in the listing description of that waste stream. Because these changes narrow the scope of the F037 and F038 listings, they are considered optional. States wishing to adopt the optional changes addressed by Revision Checklist 89 are strongly encouraged to adopt them at the same time the Revision Checklist 81 provisions are adopted.

			STATE	ANALOG IS:		
	FEDERAL	ANALOGOUS		MORE	BROAD-	
FEDERAL	RCRA	STATE	EQUIV-	STRIN-	ER IN	
REQUIREMENT	CITATION	CITATION	ALENT	GENT	SCOPE	
	PART 261 - IDENTIFIC	CATION AND LISTING OF HAZARDO	DUS WASTE			
	SUBPART D	- LISTS OF HAZARDOUS WASTES				
HAZARDOUS WASTES FROM NON-SP	PECIFIC SOURCES					
add the waste codes "F037" and "F038" to						
list in alphanumeric						
order as shown						
pelow; redesignate the						
introductory paragraph						
and the table as						
paragraph (a)	261.31(a)	31 TAC §335.1	X			
Industry and EPA hazardous		Manufacture and a second programmer and a second progr		Hazard		
waste No.		Hazardous waste			code	

F037 . Petroleum refinery primary oil/water/solids separation sludge--Any sludge
generated from the gravitational separation of oil/water/solids during the storage or
treatment of process wastewaters and oily cooling wastewaters from petroleum refineries.
Such sludges include, but are not limited to, those generated in: oil/water/solids
separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater
units receiving dry weather flow. Sludges generated in stormwater units that do not
receive dry weather flow, sludges generated in aggressive biological treatment units as
defined in §261.31(b)(2) (including sludges generated in one or more additional units

does not generate a sludge that is hazardous waste by (T)

#### RCRA REVISION CHECKLIST 81: Petroleum Refinery Primary and Secondary Oil/Water/Solids Separation Sludge Listings (F037 and F038) (Cont'd)

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

after wastewaters have been treated in aggressive biological treatment units) and KO51 wastes are not included in this listing.

F038 . Petroleum refinery secondary (emulsified) oil/water/solids separation sludge-Any sludge and/or float generated from the physical and/or chemical separation of
oil/water/solids in process wastewaters and oily cooling wastewaters from petroleum
refineries. Such wastes include, but are not limited to, all sludges and floats
generated in: induced air flotation (IAF) units, tanks and impoundments, and all sludges
generated in DAF units. Sludges generated in stormwater units that do not receive dry
weather flow, sludges generated in aggressive biological treatment units as defined in
§261.31(b)(2) (including sludges generated in one or more additional units after
wastewaters have been treated in aggressive biological treatment units) and F037, K048,
and K051 wastes are not included in this listing.

add new paragraph entitled "Listing Specific Definitions:" 261.31(b) 31 TAC §335.1 definition of oil/water/ solids for the purposes of F037 and F038 listings 261.31(b)(1) 31 TAC §335.1 for the purposes of F037 and F038, aggressive biological treatment units are defined as units which employ one of four specified treatment methods; specific requirements for high-rate aeration: 261.31(b)(2)(i) 31 TAC §335.1 units employ a minimum of 6 hp per million gallons of treatment volume and either: 261.31(b)(2)(i)(A) 31 TAC §335.1 the hydraulic retention time of the unit is no longer than 5 days 261.31(b)(2)(i)(B) 31 TAC §335.1 Χ the hydraulic retention time is no longer than 30 days and the unit

#### RCRA REVISION CHECKLIST 81: Petroleum Refinery Primary and Secondary Oil/Water/Solids Separation Sludge Listings (F037 and F038) (Cont'd)

	FEDERAL	ANALOGOUS	SIAIE	ANALOG IS:	2227
FEDERAL REQUIREMENT	RCRA CITATION	STATE CITATION	EQUIV- ALENT	MORE STRIN- GENT	BROAD ER IN SCOPE
the Toxicity					
Characteristic	261.31(b)(2)(i)(C)	31 TAC §335.1	X		
generators and		21 1110 3223.1			
reatment, storage					
and disposal					
facilities must prove	•				
their sludges are					
exempt from listing					
as F037 and F038					
wastes; maintenance					
of documents and					
data sufficient					
o prove that:	261.31(b)(2)(ii)	31 TAC §335.1	X		
nit is an aggressive					
piological treatment					
unit as defined in					
61.31(b)(2)	261.31(b)(2)(ii)(A)	31 TAC §335.1	x		
ludges were actually					
enerated in the					
ggressive biological					
reatment unit	261.31(b)(2)(ii)(B)	31 TAC §335.1	X		
ludges are					
onsidered to be					
enerated at the					
oment of deposition	<del></del>				
n the unit					
or the purposes of					,
he F037 listing;					
eposition defined	261.31(b)(3)(i)	31 TAC §335.1	Х		
or the purposes of					
he F038 listing	261.31(b)(3)(ii)	31 TAC §335.1	Х		
ludges are					<del></del>
onsidered to be					
enerated at the					
oment of deposition					
n the unit;					
eposition defined	261.31(b)(3)(ii)(A)	31 TAC §335.1	X		
loats are considered		- A - A - A - A - A - A - A - A - A - A			<del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>
o be generated at					
he moment they are					
ormed in the top of					
ne unit	261.31(b)(3)(ii)(B)	31 TAC §335.1	X		

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#### RCRA REVISION CHECKLIST 81: Petroleum Refinery Primary and Secondary Oil/Water/Solids Separation Sludge Listings (F037 and F038) (Cont'd)

			STATE	ANALOG IS:	
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	MORE STRIN- GENT	BROAD ER IN SCOPE
BASIS FOR LISTING HAZARDO	DUS WASTE				
add the waste codes		,			
"F037" and "F038"					
in alphanumeric					
order to list as					
shown below:	Appendix VII	31 TAC §335.29	X		

# APPENDIX VII.--BASIS FOR LISTING HAZARDOUS WASTE

EPA I	naza ste		ıs		····		Наг			onst lis		ents	for
	*	*	*	*	*	*	*	*	*	*	*	*	
F037	• •											rene hrom	
F038								zene ene,	-			rene nium.	chry
	*	*	*	*	*	*	*	*	*	*	*	*	

The introductory paragraph and table were originally introduced into the code as 261.31. The final rule for this checklist has redesignated the old 261.31 as 261.31(a) and added a new paragraph, 261.31(b).

 $<sup>^2</sup>$  See the technical correction to the rule at 55  $\underline{\text{FR}}$  51707 (December 17, 1990).

### Incorporation by Reference Form 1

#### RCRA Revision Checklist 81

### Cluster RCRA I

		STAT	E ANALOG IS:	
FEDERAL RCRA CITATION	STATE CITATION INCORPORATING BY REFERENCE	EQUIVALENT	MORE STRINGENT	BROADER IN SCOPE
261.31(a)-261.31(b)(3)(	ii)(B) 31 TAC §335.1	Χ		
Part 261 Appendix VII	31 TAC §335.29	X		
261.31(a)	31 TAC §335.1	X		The second secon
261.35(a)-(c)(12)	31 TAC §335.1	X		
Part 261 Appendix III	31 TAC §335.29	Χ		
Part 261 Appendix VII	31 TAC §335.29	Х		Control of the Contro
Part 261 Appendix VIII	31 TAC §335.29	X		
264.190	31 TAC §335.152(a)(8)	X		PARTITION OF THE PARTIT
264.190(c)	31 TAC §335.152(a)(8)	Χ		
264.570(a)	31 TAC §335.152(a)(14)	X		
264.570(b)	31 TAC §335.152(a)(14)	Х		
264.571(a)-(d)	31 TAC §335.152(a)(14)	X		
264.572(a)-(o)	31 TAC §335.152(a)(14)	X		
264.573(a)-(b)(3)	31 TAC §335.152(a)(14)	X		
264.574(a)-(c)(2)	31 TAC §335.152(a)(14)	X		
264.575	31 TAC §335.152(a)(14)	X		
265.190	31 TAC §335.112(a)(9)	X		
265.190(c)	31 TAC §335.112(a)(9)	Χ		
265.440(a)	31 TAC §335.112(a)(18)	Х		
265.440(b)	31 TAC §335.112(a)(18)	X		
265.441(a)-(d)	31 TAC §335.112(a)(18)	Χ		

		STATI	E ANALOG IS:	
FEDERAL RCRA CITATION	STATE CITATION INCORPORATING BY REFERENCE	EQUIVALENT	MORE STRINGENT	BROADER IN SCOPE
265.442	31 TAC §335.112(a)( <u>1.8</u> )	X		
265.442	31 TAC §335.112(a)≬ 8;	X		
265.443(a)-(n)	31 TAC §335.112(a)(18)	X		
265.444(a)-(b)(3)	31 TAC §335.112(a)(18)	X		
265.445(a)-(c)(2)	31 TAC §335.112(a)(L8·)	X		
270.26	31 TAC §305.50(4)(A)	X		
270.26(a)-(c)(16)	31 TAC §305.50(4)(A)	X		

Comments:

#### RCRA REVISION CHECKLIST 82

Wood Preserving Listings
55 FR 50450-50490
December 6, 1990

(RCRA Cluster I, HSWA and Non-HSWA Provisions)

- 1) This Revision Checklist adds three broad categories of wastes from wood preserving processes that use chlorophenolic, creosote, and/or inorganic (arsenical and chromium) preservatives to the list of wastes from non-specific sources. These wastes, F032, F034 and F035, include wastewaters, process residuals, preservative drippage and spent formulations. The listing of F032 and the permitting and interim status standards applicable to drip pads handling this waste are promulgated pursuant to HSWA. The listings of F034 and F035, the permitting and interim standards for drip pads that handle F034 and F035 wastes, and the addition of a test method to Appendix III of Part 261 are non-HSWA provisions. EPA will implement the addition of F032 to the list of hazardous wastes from non-specific sources 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 that do not have interim or final authorization. In authorized States, the non-HSWA requirements will not be applicable until the States revise their programs to adopt equivalent requirements under State law, unless the wastes are designated as hazardous due to the Toxicity Characteristic, which would allow an owner or operator to comply with the drip pad standards administered under federal law.
- 2) Note that on June 13, 1991 (56  $\underline{FR}$  27332), an administrative stay was published affecting this final rule. Because the Federal code was changed, a checklist was developed, Revision Checklist 91. The changes addressed by that checklist are all optional.
- 3) Technical corrections were made to this rule on July 1, 1991 (56 FR 30192; Revision Checklist 92). States are strongly encouraged to adopt those technical corrections at the same time that Revision Checklist 82 provisions are adopted.

	_		STATE	ANALOG IS:	
	FEDERAL	ANALOGOUS		MORE	BROAD -
FEDERAL	RCRA	STATE	EQUIV-	STRIN-	ER IN
REQUIREMENT	CITATION	CITATION	ALENT	GENT	SCOPE
	PART 260 - HAZARDO	DUS WASTE MANAGEMENT SYSTEM:	GENERAL		***************************************
	SU	BPART B - DEFINITIONS			
DEFINITIONS					
dd "drip pad" in					
alphabetical order	260.10	31 TAC §335.1	X		
	PART 261 - IDENTIFI	CATION AND LISTING OF HAZARD	OUS WASTE		
		SUBPART A - GENERAL			

	EENFRAL			~	STATE ANALO	OG 15:	
FEDERAL	FEDERAL RCRA	<del>.</del>	ANALOGOUS STATE	FOU	MO		BROAD
REQUIREMENT	CITATIO	N	CITATION	EQUI ALE		RIN- ut	ER IN SCOPE
	•						0001 0
add new paragrap	ph						
which excludes a	as a						
solid waste sper	nt						
wood preserving							
solutions that h	nave						
been used and ar	re		,				
reclaimed and re	eused						
for their origin	nal						
intended purpose	261.4(a	1)(9)					
		SUBPART D - L	.1STS OF HAZARDOUS WAS	TES			
HAZARDOUS WASTES	FROM NON-SPECIFIC SOL	וחכרכ				<del></del>	
add the waste co		JACES					
'F032", "F034" a							
'F035" in alpha-							
numeric order to							
as shown below	261.31(	a)	31 TAC §335.1	X			
nductor and EDA	<b>L</b>						
Industry and EPA	Hazardous						
	_				Hazar	d	
waste N	0.		Hazardous waste		Hazar	d	code
waste N	0.		Hazardous waste		Hazar	d	code
waste N	* *	*	Hazardous waste	*	Hazar	d *	code
*	* *		*	*		*	
*	* * *	uals, preservati	* ive drippage, and sper		*	*	code
*	* * waters, process residu tions from wood pres	uals, preservati serving process	* ive drippage, and sper es generated at plants	that current	* ly use or	*	
*	* waters, process residu tions from wood pres have previously used	uals, preservati serving process d chlorophenolid	* ive drippage, and sper es generated at plants c formulations (except	that current potentially	* ly use or cross-	*	
*	* waters, process residu tions from wood pres have previously used contaminated wastes	uals, preservati serving process d chlorophenolic that have had	* ive drippage, and sper es generated at plants c formulations (except the F032 waste code de	that current potentially eleted in acco	* ly use or cross-	*	
*	* * waters, process residu tions from wood pres have previously used contaminated wastes with §261.35 of this	uals, preservati serving processed d chlorophenolic that have had s chapter and wi	*  ive drippage, and sper es generated at plants c formulations (except the F032 waste code de nere the generator doe	that current potentially eleted in acco s not resume	* ly use or cross- indance or	*	
*	*  * waters, process residu  tions from wood pres have previously used contaminated wastes  with §261.35 of this initiate use of chlo	uals, preservati serving processed chlorophenolic that have had s chapter and wi prophenolic form	*  ive drippage, and sper es generated at plants c formulations (except the F032 waste code de nere the generator doe mulations). This list	that current potentially eleted in acco s not resume ing does not	* ly use or cross- undance or include	*	
*	*  *  *  *  *  *  *  *  *  *  *  *  *	uals, preservati serving processed chlorophenolic that have had s chapter and wi prophenolic form t sludge from th	*  ive drippage, and sper es generated at plants c formulations (except the F032 waste code de nere the generator doe mulations). This list ne treatment of waste	that current potentially leted in acco s not resume ing does not vater from woo	* ly use or cross- undance or include	*	
* '032 Waste	*  *  *  *  *  *  *  *  *  *  *  *  *	uals, preservations serving processed chlorophenolic that have had so chapter and with the chapter and with the chapter from the studge from the statuse crees	* ive drippage, and sper es generated at plants c formulations (except the F032 waste code de nere the generator doe mulations). This list ne treatment of wastew sote and/or pentachlor	that current potentially eleted in acco s not resume ing does not vater from woo	* ly use or cross- undance or include	*	(1)
* '032 Waste	* waters, process residu tions from wood pres have previously used contaminated wastes with §261.35 of this initiate use of chlo K001 bottom sediment preserving processes waters, process residu	uals, preservations are that have had a chapter and with prophenolic form the studge from the sthat use crees als, preservations	*  ive drippage, and sper es generated at plants c formulations (except the F032 waste code de nere the generator doe mulations). This list ne treatment of wastew sote and/or pentachlor ve drippage, and spen	that current potentially eleted in acco s not resume ing does not vater from woo ophenol. t formula-	* ly use or cross- ordance or include	*	
* '032 Waste	* waters, process residutions from wood preshave previously used contaminated wastes with §261.35 of this initiate use of chlow K001 bottom sediment preserving processes waters, process residutions from wood preserving waters	uals, preservations and that have had that have had to chapter and with the studge from the studge from the sthat use crees als, preservations processes	*  ive drippage, and sper es generated at plants c formulations (except the F032 waste code de nere the generator doe mulations). This list ne treatment of wastew sote and/or pentachlor ve drippage, and spen es generated at plants	that current potentially eleted in access not resume ing does not water from woo cophenol. t formula-	* ly use or cross- ordance or include d	*	(T)
* '032 Waste	* waters, process residu tions from wood pres have previously used contaminated wastes with §261.35 of this initiate use of chlo K001 bottom sediment preserving processes waters, process residu tions from wood pres formulations. This	uals, preservations of chlorophenolic that have had so chapter and with the comphenolic form the studge from the state use creosestals, preservations processed listing does not be that use creosestals, preservations are serving processed that the comphenolic complex that use creosestals, preservations are considered to the complex that the comp	*  ive drippage, and sper es generated at plants c formulations (except the F032 waste code de nere the generator doe mulations). This list ne treatment of wastew sote and/or pentachlor ve drippage, and spen es generated at plants ot include K001 bottom	that current potentially eleted in acco s not resume ing does not water from woo cophenol. t formula- that use cre	*  ly use or cross- ordance or include d	*	(T)
* 032 Waste	*  *  *  *  *  *  *  *  *  *  *  *  *	uals, preservations and that have had that have had that so chapter and who comphenolic form that sludge from the state use creostals, preservations processed listing does not stewater from we stewater from we	*  ive drippage, and sper es generated at plants c formulations (except the F032 waste code de nere the generator doe mulations). This list ne treatment of wastew sote and/or pentachlor ve drippage, and spen es generated at plants	that current potentially eleted in acco s not resume ing does not water from woo cophenol. t formula- that use cre	*  ly use or cross- ordance or include d	*	(T)
* 032 Waste	*  *  *  *  *  *  *  *  *  *  *  *  *	uals, preservations of chlorophenolic format sludge from the state of the creek als, preservations erving does not be creek als, preservations of the creek also also also also also also also also	* ive drippage, and speres generated at plants of formulations (except the F032 waste code denere the generator does mulations). This list the treatment of wastewaste and/or pentachlor ve drippage, and spenes generated at plants of include K001 bottom and process	that current potentially eleted in access not resume ing does not resume that from woo ophenol. It formulates that use creates sediment slutes that use contents the contents the contents that use contents the contents the contents that use contents the contents the contents the contents that use contents the	*  ly use or cross- ordance or include d	*	(1)
* 032 Waste	*  *  *  *  *  *  *  *  *  *  *  *  *	uals, preservations and that have had that have had the prophenolic form the studge from the state of the preservations are the prophenolic form the state of the preservations are the preservations of the preservations	* ive drippage, and speres generated at plants of formulations (exception for the F032 waste code denere the generator does mulations). This list one treatment of wastewaste and/or pentachlor ve drippage, and spenes generated at plants out include K001 bottom cod preserving process ve drippage, and spenes ve drippage, and spenes ve drippage, and spenese versus ver	that current potentially eleted in accounting does not resume ring does not patter from woo ophenol. It formulates that use creates that use counting the countin	* ly use or cross- ordance or include d  osote dge from reosote	*	(1)
* 032 Waste	*  waters, process residutions from wood preshave previously used contaminated wastes with §261.35 of this initiate use of chlock001 bottom sediment preserving processes waters, process residutions from wood presformulations. This the treatment of was and/or pentachlorophwaters, process residutions from wood pres	uals, preservations and that have had that have had to complete and with the prophenolic form the state of th	* ive drippage, and sper es generated at plants c formulations (except the F032 waste code de nere the generator doe mulations). This list ne treatment of wastew sote and/or pentachlor ve drippage, and spen es generated at plants out include K001 bottom bood preserving process ve drippage, and spen es generated at plants	that current potentially eleted in access not resume ing does not resume that is that use creates that use contact that use in that use inother that use in the contact that use in the cont	*  ly use or  cross-  rdance  or  include  d  osote  dge from  reosote	*	(T)
* 032 Waste	*  waters, process residutions from wood preshave previously used contaminated wastes with §261.35 of this initiate use of chlor K001 bottom sediment preserving processes waters, process residutions from wood presformulations. This the treatment of was and/or pentachloroph waters, process residutions from wood prespreservatives contai	uals, preservations and that have had that have had to complement of the state of t	* ive drippage, and speres generated at plants of formulations (except the F032 waste code denere the generator does mulations). This list me treatment of wastewsote and/or pentachlor ve drippage, and spenes generated at plants of include K001 bottom pood preserving process ve drippage, and speness generated at plants chromium. This list	that current potentially eleted in access not resume ing does not resume ing does not represent that use creates that use control that use indicates that use indicates that use indicates in the control of the control	*  ly use or cross- ordance or include d  osote dge from reosote rganic include	*	(T)
* 032 Waste	* waters, process residutions from wood preshave previously used contaminated wastes with §261.35 of this initiate use of chlor k001 bottom sediment preserving processes waters, process residutions from wood presformulations. This the treatment of was and/or pentachloroph waters, process residutions from wood prespreservatives contai k001 bottom sediment	uals, preservations and control of that have had to complete and with the complete and the	* ive drippage, and spenes generated at plants of formulations (except the F032 waste code denere the generator does mulations). This list me treatment of wastewsote and/or pentachlor ve drippage, and spenes generated at plants of include K001 bottom bod preserving process ve drippage, and spenes generated at plants of chromium. This list chromium. This list	that current potentially eleted in access not resume ing does not resume in the complete of th	*  ly use or cross- ordance or include d  osote dge from reosote rganic include	*	(T)
* 032 Waste	* waters, process residutions from wood preshave previously used contaminated wastes with §261.35 of this initiate use of chlor k001 bottom sediment preserving processes waters, process residutions from wood presformulations. This the treatment of was and/or pentachloroph waters, process residutions from wood prespreservatives contai k001 bottom sediment	uals, preservations and control of that have had to complete and with the complete and the	* ive drippage, and speres generated at plants of formulations (except the F032 waste code denere the generator does mulations). This list me treatment of wastewsote and/or pentachlor ve drippage, and spenes generated at plants of include K001 bottom pood preserving process ve drippage, and speness generated at plants chromium. This list	that current potentially eleted in access not resume ing does not resume ing does not represent that use creates that use control to the control of the cont	*  ly use or cross- ordance or include d  osote dge from reosote rganic include	*	(T)
* 032 Waste	* waters, process residutions from wood preshave previously used contaminated wastes with §261.35 of this initiate use of chlor k001 bottom sediment preserving processes waters, process residutions from wood presformulations. This the treatment of was and/or pentachloroph waters, process residutions from wood prespreservatives contai k001 bottom sediment	uals, preservations and control of that have had to complete and with the complete and the	* ive drippage, and spenes generated at plants of formulations (except the F032 waste code denere the generator does mulations). This list me treatment of wastewsote and/or pentachlor ve drippage, and spenes generated at plants of include K001 bottom bod preserving process ve drippage, and spenes generated at plants of chromium. This list chromium. This list	that current potentially eleted in access not resume ing does not resume ing does not represent that use creates that use control to the control of the cont	*  ly use or cross- ordance or include d  osote dge from reosote rganic include	*	(T)

DELETION OF CERTAIN HAZARDOUS WASTE CODES FOLLOWING EQUIPMENT CLEANING AND REPLACEMENT wastes from wood preserving processes

	CENEDAL		STAT	E ANALOG IS:	
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
at plants that do not					
resume or initiate					
use of chlorophenolic					
preservatives will not		·			
meet the listing					
definition of FO32					
once the 261.35(b)					
and (c) requirements					
are met; wastes may					
continue to meet					
another hazardous					
waste listing descrip-					
tion or exhibit one or					
more characteristics	261.35(a)	31 TAC 5775 1	v		
generators must	201.00101	31 TAC §335.1	X		
either clean or					
eplace all specified					
process equipment					
hat may have come					
nto contact with					
hlorophenolic					
ormulations or					
onstituents;					
enerators must					
ither:	261.35(b)	31 TAC §335.1	<b>V</b>		
repare and sign		51 TAC \$333.1	X		
written equipment					
leaning or replace-					
ent plan and con-					
uct cleaning and/or					
eplacement of equip-					
ent in accordance					
ith plan; manage					
iscarded equipment					
F032 waste	261.35(b)(1)	31 TAC §335.1	V		
emoval of all visible	20::00\0/\'/	J1 186 333.1	X		***************************************
esidues from process					
quipment and rinsing					
ocess equipment					
th appropriate					
olvent to meet					
pecified criteria when					
sted in accordance					
th SW-846 Method					
th SW-846 Method					

	FEDERAL		STATE	ANALOG IS:	
FEDERAL	FEDERAL RCRA	ANALOGOUS STATE	EQUIV-	MORE STRIN-	BROAD - ER IN
REQUIREMENT	CITATION	CITATION	ALENT	GENT	SCOPE
document that previous equipment					
cleaning or replace-					
ment was performed in accordance with					
261.35 requirements					
and occurred after a					
change in	7/4 75/1 17				
preservative	261.35(b)(3)	31 TAC §335.1	X		····
documentation that			•		
must be maintained					
as part of the					
facility's	n. ( ) mm				
operating record	261.35(c)	31 TAC §335.1	X		
name and address of					
the facility	261.35(c)(1)	31 TAC §335.1	X		
formulations					
previously used and					
the date on which					
their use ceased					
in each process					
at the plant	261.35(c)(2)	31 TAC §335.1	X		····
formulations currently					
used in each process					
et the plant	261.35(c)(3)	31 TAC §335.1	X		
equipment cleaning					
or replacement plan	261.35(c)(4)	31 TAC §335.1	X		
name and address of					
any persons who					
conducted the					
cleaning and					
replacement	261.35(c)(5)	31 TAC §335.1	X		
dates on which					
cleaning and					
replacement were					
accomplished	261.35(c)(6)	31 TAC §335.1	X		
dates of sampling	, and the same of				**
and testing	261.35(c)(7)	31 TAC §335.1	X		
description of sample		**************************************			
andling and prep-					
ration techniques	261.35(c)(8)	31 TAC §335.1	Х		
description of the			· · · · · · · · · · · · · · · · · · ·		
ests performed, the					
date, and the results					
if the tests	261.35(c)(9)	31 TAC §335.1	X		
ame and model		J. 1710 1007.1	^		
numbers of the					

	FFRERAL		STATE	ANALOG IS:	
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	MORE STRIN- GENT	BROAD ER IN SCOPE
					0001 2
instrument(s) used i	in				
performing the tests	261.35(c)(10)	31 TAC §335.1	X		
QA/QC					
documentation	261.35(c)(11)	31 TAC §335.1	X		
signed certification	ר				
statement	261.35(c)(12)	31 TAC §335.1	Х		
	Α	PPENDIX III TO PART 261			
CHEMICAL ANALYSIS TE	ST METHODS				
add the compound,					
"Benzo(k)					
fluoranthene", in					
alphabetical order,					
to Table 1	Table 1 Americal	111 71 740 5775 00			
	lable I, Appendix	111 31 TAC §335.29 X			
	~				
		1ANALYSIS METHODS FOR			
	ORGANIC	CHEMICALS CONTAINED IN Sy-846			
		Method			
	Compound	Nos.			
				amon.	
	* * * * *	* * * * * * * *			
		A A K K			
	Renzo(k) fluore-th	0.000 5555			
	Benzo(k) fluoranthen	-			
		8270,8310			
	* * * * *	* * * * * * *			
	AP	PENDIX VII TO PART 261			
-					
ASIS FOR LISTING HAZ	ARDOUS WASTE				
dd "F032", "F034",					
nd "F035" to list					
n alphanumeric order	•				
s shown below:	Appendix VII	31 TAC §335.29	X		
		5 333			
EDA L	nazardous		and the second second second		
		Hazardous constituents for	•		
wa	iste No.	which listed			

							STATE ANALOG I	
FEDERAL		FEDERAL			ANALOGOUS	50.11	MORE	BROAD -
FEDERAL REQUIREMENT		RCRA CITATION			STATE CITATION	EQUI\ ALEN1		ER IN SCOPE
VE-AD I VELLEN I		CITATION			CITATION	ALEN	UCN!	SLUPE
	*	nkr	*	*	*	*		
	F032				Benz(a)anthrac	ene, benzo(a)p	yrene,	
			dibenz(a	,h)-an	thracene,			
					d)pyrene, pentach	lor-		
					ic, chromium, teta			
					heptachlorodiben:			
					ra-, penta-, hexa-			
			tachloro			. ,		
	F034				Benz(a)anthrac	ene,		
			benzo(k)	fluora		,		
			benzo(a)		•			
			dibenz(a					
					d)pyrene, naphtha	-		
					chromium.			
	F035			Jenie,	Arsenic, chrom	ium lead		
	لرون ا		• • • • •		ALSEITE, CHI'OII	rum, tedu.		
	*	*	*	*	*	*		
		· · · · · · · · · · · · · · · · · · ·				***************************************		
	wa		APPE	MDIX VI	II TO PART 261			
			APPE	NDIX VI	II TO PART 261			
HAZARDOUS CONS			APPE	NDIX VI	II TO PART 261			
			APPE	NDIX VI	II TO PART 261			
add the specif hazardous constituents i	ied n	and the second s	APPE	NDIX VI	II TO PART 261			
add the specif nazardous	ied n		APPE	NDIX VI	II TO PART 261			
add the specif hazardous constituents i	ied n order	Appendix V		NDIX VI	11 TO PART 261 31 TAC §335.29	X		
add the specif nazardous constituents i alphabetical o	ied n order			NDIX VI		X		
add the specif nazardous constituents i alphabetical o	ied n order			NDIX VI			Chemical	
add the specif nazardous constituents i alphabetical o	ied n order	Appendix V		NDIX VI		Chemical	Chemical	Hazardou
add the specif nazardous constituents i alphabetical o	ied n order			NDIX VI		Chemical abstracts	abstracts	
add the specif nazardous constituents i alphabetical o	ied n order	Appendix V		NDIX VI	31 TAC §335.29	Chemical		Hazardou waste No
add the specif nazardous constituents i alphabetical o	n order :	Appendix V	/111	NDIX VI	31 TAC §335.29	Chemical abstracts name	abstracts No.	
add the specif nazardous constituents i alphabetical o as shown below	ied n order ::	Appendix V Common name	/III *		31 TAC §335.29	Chemical abstracts name	abstracts No.	
add the specif nazardous constituents i alphabetical o as shown below	ied n order ::	Appendix V Common name	/III *		31 TAC §335.29	Chemical abstracts name	abstracts No.	
add the specif nazardous constituents i alphabetical o as shown below	ied n order ::	Appendix V Common name	/III *		31 TAC §335.29	Chemical abstracts name	abstracts No.	
add the specif nazardous constituents i alphabetical o as shown below	ied n order ::	Appendix V Common name	/III *		31 TAC §335.29	Chemical abstracts name	abstracts No.	
add the specifications in a second truents in a second truents in a second truents in a second truent in a s	n n order :: * nthene	Appendix V  Common name  *	**		31 TAC §335.29	Chemical abstracts name  * * * 207-08-9	abstracts No.	
add the specifications in azardous constituents is alphabetical of as shown below senzo(k)fluora	n order :: nthene * menzofurans	Appendix V  Common name  *	******		31 TAC §335.29	Chemical abstracts name  * * 207-08-9	abstracts No.	
add the specifications in azardous constituents is alphabetical of as shown below senzo(k)fluora	n order :: nthene * menzofurans	Appendix V  Common name  *	******		31 TAC §335.29	Chemical abstracts name  * * 207-08-9	abstracts No.	
add the specifications in a second truents in a second truents in a second truents in a second truent in a s	n order :: nthene * menzofurans	Appendix V  Common name  *	******		31 TAC §335.29	Chemical abstracts name  * * 207-08-9	abstracts No.	

	FEDERAL	41141.000110	STATI	E ANALOG IS:	
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	MORE STRIN- GENT	BROAD ER IN SCOPE
	PART 262 - STANDARDS APPLI	CABLE TO GENERATORS OF H			
			TETALOGO WASTE		
	SUBPART C - P	RE-TRANSPORT REQUIREMENT	s		
ACCUMULATION TIME					
redesignate paragraph				***************************************	
(a)(2) as (a)(3);					
add new paragraph					
requiring placement					
of waste on drip pads,					
generator compliance					
with Subpart W of					
Part 265 and					
maintenance of the					
following records					
at the facility:	262.34(a)(2)	31 TAC §335.69(a)	(1)(iii)	X	
description of			***************************************	*	
procedures to ensure					
wastes are removed					
from drip pad and					
associated collection					
system at least once					
every 90 days	262.34(a)(2)(i)	31 TAC §335.69(a)(	(1)(iii)(A)	X	
documentation of					*******************************
each waste removal,					
including quantity,					
date and time of					
removal; generator					
exemption from Sub-					
parts G and H of					
Part 265 require-					
ments, except for					
265.111 and 265.114	262.34(a)(2)(ii)	31 TAC §335.69(a)(	1)(iii)(B)	Х	
redesignate					
'262.34(a)(2)" as					
'262.34(a)(3)"	262.34(a)(3)	31 TAC §335.69(a)(	2)	X	
redesignate					
'262.34(a)(3)" as					
'262.34(a)(4)"	262.34(a)(4)	31 TAC §335.69(a)(	3)	X	
redesignate					
'262.34(a)(4)" as					
'262.34(a)(5)"	262.34(a)(5)	31 TAC §335.69(a)(	4)	X	

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

assessment obtained

	FENEDAL	FEDERAL ANALOGOUS		E ANALOG IS:	
FEDERAL	RCRA	ANALOGOUS STATE	EQUIV-	MORE STRIN-	BROAD
REQUIREMENT	CITATION	CITATION	ALENT	GENT	ER IN SCOPE
	·				
*	SUE	PART J - TANK SYSTEMS			
APPLICABILITY					
add reference to					
paragraph (c)	264.190	§335.152(a)(8)	X		
add new paragraph			· · · · · · · · · · · · · · · · · · ·		
subjecting tanks,					
sumps and other					
collection devices					
used in conjunction					
with Subpart W-					
regulated drip pads to					
Part 264, Subpart J					
requirements	264.190(c)	§335.152(a)(8)	V		
		(۵)(۵) اعدا ، دودر	X		
	ÇI	JBPART W - DRIP PADS			
	30	DOLAKI M - DKIE PAUS			
APPLICABILITY					
Subpart W applies					
o owners and					
pperators of facilities					
hat use new or	g.man.				
xisting drip pads					
o convey treated					
ood drippage to an					
ssociated collection					
ystem; existing drip					
ads defined	264.570(a)	31 TAC §335.152(a)(14)		V	
wner or operator		5: IAC \$333.132(a)(14)	***************************************	X	
f certain drip pads					
nside or under					
structure					
ot subject to					
64.572(e) or					
64.572(f)					
egulations, as					
ppropriate	26/ 570/55	74			
SDI ODI 1015	264.570(b)	31 TAC §335.152(a)(14)		Χ	
SSESSMENT OF EXISTING DRIP	PAD INTEGRITY				
valuation of existing					
rip pads; by June 6,					

	EEDED	A.V.A	STAT	E ANALOG IS:	
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV-	MORE STRIN- GENT	BROAD- ER IN SCOPE
and kept on file;					
annual review, update					
and recertification		·			
required until 264.572					
standards are met,					
except 264.572(b)					
standards for liners					
and leak detection					
systems; documen-					
tation of drip pad age	264.571(a)	31 TAC §335.152(a)(14)		X	
development of					
written plan for up-					
grading, repairing and					
modifying drip pad					
to meet 264.572(b)					
requirements;					
submittal of plan to					
Regional Adminis-					
trator no later than					
2 years before					
completion of modi-					
fications; written plan					
documentation, re-					
view and certification					
requirements;					
conditions for					
completion of					
upgrades, repairs					
and modifications	264.571(b)	31 TAC §335.152(a)(14)		X	
for existing drip	20111107	5: TAC 3333: 132(8)(14)			
pads of known and					
documentable age,					
upgrades, repairs					
and modifications					
completed within					
two years of					
June 6, 1991, or					
when the drip pad					
nas reached					
ias reached 15 years of age,					
∌ years of age, whichever comes					
	2// 524	74			
ater	264.571(b)(1)	31 TAC §335.152(a)(14)		X	····
for existing drip pads					
with no documentable					
age, upgrades, repairs					
and modifications					
nust be completed					

			STATE ANALOG IS:		
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV-	MORE STRIN- GENT	BROAD- ER IN SCOPE
within 8 years of					
June 6, 1991; if					
facility is over 7 years					
old, completion					
by the time facility					
reaches 15 years or					
by two years after					
June 6, 1991, which-					
ever comes later	264.571(b)(2)	31 TAC §335.152(a)(14)		X	
conditions under which					
owner or operator					
may petition					
Regional Adminis-					
trator for extension					
of deadline; petition					
granted if drip pad					
meets all 264.572					
requirements, except					
those for liners and					
leak detection systems					
specified in					
264.572(b)	264.571(b)(3)	31 TAC §335.152(a)(14)		Χ	
submittal of	201.31.107(37	51 THE 3551 TSE(8) (14)			
required drawings					
and certification to					
Regional Adminis-	quarter (				
trator or State Director					
upon completion of all					
repairs and					
nodifications	26/ 571/0)	71 TAC 5775 150/- \/4/\		V	
	264.571(c)	31 TAC §335.152(a)(14)		Χ	····
if drip pad found to be leaking or unfit					
	·				
or use, compliance with 264.572(m) provi-					
sions or close drip					
·					
oad in accordance	2// 574/ 15	74 *** 5775 ****			
ith 264.574	264.571(d)	31 TAC §335.152(a)(14)		X	
PECION AND ODERATING SECTION	rucur o				
ESIGN AND OPERATING REQUIR	EMENIS			Χ	
drip pads must:	264.572(a)	31 TAC §335.152(a)(14)		v	
pe constructed of	204.712(0)	JI INC 9333.132(8)(14)		X	
on-earthen					
materials, excluding					
rood and non-					
structurally supported	n. (				
esphalt	264.572(a)(1)	31 TAC §335.152(a)(14)		X	

	EEDEDA	A.11.A. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	STATE ANALOG IS:		
FEDERAL	FEDERAL RCRA	ANALOGOUS STATE	EQUIV-	MORE STRIN-	BROAD- ER IN
REQUIREMENT	CITATION	CITATION	ALENT	GENT	SCOPE
be sloped for free-					
drainage to the					
associated collection	244 5724 4424	-			
system	264.572(a)(2)	31 TAC §335.152(a)(14)		X	
have a curb or berm	244 5724 4474				
around the perimeter be impermeable	264.572(a)(3)	31 TAC §335.152(a)(14)	·	X	
,	2// 579/ 5//5				
as specified be of sufficient	264.572(a)(4)	31 TAC §335.152(a)(14)		X	
structural strength					
and thickness to meet					
specified conditions;					
note regarding		,			
structural integrity					
standards	24/ 572/>/5>	74 *.= ^*** -=			
a drip pad must	264.572(a)(5)	31 TAC §335.152(a)(14)		X	
nave:	264.572(b)	74 740 5777 177			
a synthetic liner that	204.372(0)	31 TAC §335.152(a)(14)		X	
meets certain design,					
construction and instal-					
lation specifications	04/ 570/EN/4N	74 740 0770 077			
specific requirements	264.572(b)(1)	31 TAC §335.152(a)(14)		X	
for liner construction					
materials	26/ 572/65/15/55	71 740 5775 450			
foundation or base	264.572(b)(1)(i)	31 TAC §335.152(a)(14)		X	
requirements	264.572(b)(1)(ii)	71 TAR S775 AFR.			
iner must cover all	204.372(0)(1)(11)	31 TAC §335.152(a)(14)		X	
surrounding earth that					
could come into					
contact with the					
easte or leakage	26/ 572/65/15/55	71 740 5775 450-			
eakage detection	264.572(b)(1)(iii)	31 TAC §335.152(a)(14)		Х	
ystem immediately					
bove the liner;					
etection system					
ust be:	264.572(b)(2)	71 TAP 2770 400/		N.	
onstructed of		31 TAC §335.152(a)(14)		X	
aterials that are:	264.572(b)(2)(i)	71 TAC 5775 457/- \/4/-			
hemically resistant	204.712(0)(2)(1)	31 TAC §335.152(a)(14)		X	<del></del>
o relevant waste					
nd leakage	264 572761721711741	71 TAC \$775 4507			
f sufficient strength	264.572(b)(2)(i)(A)	31 TAC §335.152(a)(14)		X	
nd thickness to					
revent collapse	26/ 572/61/21/:1/01	73 740 5775 450			
esigned and operated	264.572(b)(2)(i)(B)	31 TAC §335.152(a)(14)		X	
o function without					
logging through the					

	FEDERAL ANALOGOUS		STATE ANALOG IS:			
FEDERAL REQUIREMENT	RCRA	ANALOGOUS STATE	MORE BRO EQUIV- STRIN- ER			
	CITATION	CITATION	ALENT	GENT	SCOPE	
•						
scheduled closure of						
the drip pad	264.572(b)(2)(ii)	31 TAC §335.152(a)(14)		X		
designed to detect						
drip pad failure or the						
release of hazardous						
waste or accumulated						
liquid at the earliest						
practicable time	264.572(b)(2)(iii)	31 TAC §335.152(a)(14)		X		
maintenance of drip						
pads; note regarding						
remedial action	264.572(c)	31 TAC §335.152(a)(14)		X		
convey, drain, and						
collect liquid resulting						
from drippage or						
precipitation in order						
to prevent run-off	264.572(d)	31 TAC §335.152(a)(14)		X		
run-on control						
system requirements,						
unless control						
system is protected						
by a structure, as						
described in						
264.570(b)	264.572(e)	31 TAC §335.152(a)(14)		X		
run-off management		37 186 (333:132(47(147	······································			
system requirements,						
unless system is						
protected by a						
structure, as						
described in						
264.570(b)	264.572(f)	71 TAC 5775 1577-1/1/				
evaluation of drip pad	204.212(1)	31 TAC §335.152(a)(14)		X		
for compliance with						
264.572(a) - (f)						
requirements; design						
certification required	24/ 572/->	74 740 6775 457				
removal of drippage	264.572(g)	31 TAC §335.152(a)(14)		X		
and accumulated						
precipitation from						
essociated collection						
system as necessary						
to prevent overflow						
onto the drip pad	264.572(h)	31 TAC §335.152(a)(14)		X		
thorough cleaning of						
drip pad surface at						
east once every						
seven days to meet						
specified conditions;						

	5505041		STATE ANALOG IS:		
FEDERAL	FEDERAL RCRA	ANALOGOUS STATE	EQUIV-	MORE STRIN-	BROAD -
REQUIREMENT	CITATION	CITATION	ALENT	GENT	ER IN SCOPE
documentation of date,					
time and cleaning					
procedure in facility's		*			
operating log	264.572(i)	31 TAC §335.152(a)(14)		X	
minimize tracking of					
hazardous waste or					
constituents off the					
drip pad	264.572(j)	31 TAC §335.152(a)(14)		X	
after removal from					
treatment vessel,					
treated wood from					
pressure and non-					
pressure processes					
nust be held on pad					
until drippage has					
ceased; documen-					
ation required	264.572(k)	31 TAC §335.152(a)(14)		Χ	
collection and holding		2222.132(0)(14)			
units for run-on and					
un-off control systems					
mptied or otherwise					
nanaged as soon as					
ossible after storms					
o maintain design					
apacity	264.572(1)	31 140 8775 150/->/1/>			
hroughout the active		31 TAC §335.152(a)(14)		X	
ife of the drip pad					
nd as specified in					
he permit, repair of					
etected condition					
hat could lead to					
r has caused a					
elease of hazardous					
etease of nazardous aste within a					
easonable period					
· ·					
f time, in accordance					
ith the following					
rocedures:	264.572(m)	31 TAC §335.152(a)(14)		Χ	
oon detection of a					
ondition that has					
ed or could lead to					
release of					
izardous waste, the					
mer must:	264.572(m)(1)	31 TAC §335.152(a)(14)		Χ	
nter discovery in			***************************************		····
ne facility operating					
pg	264.572(m)(1)(i)	31 TAC §335.152(a)(14)		Χ	

	FEDERAL	ANALOGOUS	STATE	ANALOG IS:	
FEDERAL	RCRA	STATE	EQUIV-	MORE STRIN-	BROAD
REQUIREMENT	CITATION	CITATION	ALENT	GENT	ER 11
immodiately					
immediately remove					
from service					
affected portion of		,			
drip pad	264.572(m)(1)(ii)	31 TAC §335.152(a)(14)		X	
determine steps					
to repair drip pad					
and clean up any					
leakage; establish					
schedule for repairs	264.572(m)(1)(iii)	31 TAC §335.152(a)(14)		x	
notify Regional					
Administrator within					
24 hours after					
discovery; provide					
written notice as					
specified within 10					
working days	264.572(m)(1)(iv)	31 TAC §335.152(a)(14)		X	
review, determination				**	
and notification by					
Regional Administrator	264.572(m)(2)	31 TAC §335.152(a)(14)		v	
written notification to		5. 11.0 3000.102(0)(14)		X	
Regional Administrator					
and certification of					
compliance with					
264.572(m)(1)(iv) after					
repairs and clean up	264.572(m)(3)	71 TAC \$775 450, 250			
should a permit be		31 TAC §335.152(a)(14)	**************************************	X	
necessary, Regional					
Administrator will					
specify in the permit					
all design and					
perating practices					
pperating practices mecessary to ensure					
· ·					
hat 264.572 require-					
ents are met	264.572(n)	31 TAC §335.152(a)(14)		<	
ocumentation in					
perating log, as					
pecified, of					
ast operating and					
aste handling					
ractices	264.572(o)	31 TAC §335.152(a)(14)	>	(	
NSPECTIONS					
nspection of liners					
nd cover systems					
or uniformity, damage					
nd imperfections					
uring construction or					

	FEDERAL	ANALOGOUS	STATE ANALOG IS:		
FEDERAL REQUIREMENT	RCRA	STATE	EQUIV-	MORE STRIN-	BROAD- ER IN
AL-WOIKEMEN!	CITATION	CITATION	ALENT	GENT	SCOPE
installation; inspection					
and certification of					
liners to meet					
264.572 requirements;		*			
maintenance of					
certification as part					
of the facility					
operating record;					
inspection of liners					
and covers after					
installation					
	264.573(a)	31 TAC §335.152(a)(14)		X	
drip pad must be					
inspected weekly and					
after storms to detect					
evidence of any of					
the following:	264.573(b)	31 TAC §335.152(a)(14)		X	
deterioration,					
malfunctions or					
improper operation					
of run-on and run-off					
control systems	264.573(b)(1)	31 TAC §335.152(a)(14)		X	
presence of leakage					
n and proper					
functioning of leak					
detection system	264.573(b)(2)	31 TAC §335.152(a)(14)		Χ	
deterioration or		5 1110 3555.152(8)(14)		Χ	
racking of drip					
ad surface;					
ote regarding					
emedial action	264.573(b)(3)	71 740 5775 4504			
	201.2/2/0/(2)	31 TAC §335.152(a)(14)		X	
LOSURE					
t closure, removal					
nd decontamination					
equirements; manage-					
ent as hazardous					
aste	264.574(a)	71 TAC 5775 450			
onditions under		31 TAC §335.152(a)(14)		X	
nich owner or					
perator must close					
scility and perform					
ost-closure care in					
cordance with					
64.310 requirements;					
or permitted units,					
rmit requirement					
ntinues throughout					

		STATE		
FEDERAL RCRA CITATION	STATE	EQUIV-	MORE STRIN- GENT	BROAD- ER IN SCOPE
	,			
264.574(b)	31 TAC §335.152(a)(14)		X	
264.574(c)(1)	31 TAC §335.152(a)(14)		X	
264.574(c)(1)(i)	31 TAC §335.152(a)(14)		х	
AMPRO				
264.574(c)(1)(ii)	31 TAC §335.152(a)(14)		x	
Augylask				
,				
264.574(c)(2)	31 TAC §335.152(a)(14)		X	
	264.574(c)(1)(ii)  264.574(c)(1)(ii)	RCRA CITATION CITATION  264.574(b) 31 TAC §335.152(a)(14)  264.574(c)(1) 31 TAC §335.152(a)(14)  264.574(c)(1)(i) 31 TAC §335.152(a)(14)	FEDERAL STATE EQUIV- CITATION STATE EQUIV- ALENT  264.574(b) 31 TAC §335.152(a)(14)  264.574(c)(1)(i) 31 TAC §335.152(a)(14)  264.574(c)(1)(ii) 31 TAC §335.152(a)(14)	RCRA STATE EQUIV- STRIN- CITATION ALENT GENT  264.574(b) 31 TAC §335.152(a)(14) x  264.574(c)(1)(i) 31 TAC §335.152(a)(14) x  264.574(c)(1)(ii) 31 TAC §335.152(a)(14) x

DESIGN AND INSTALLATION OF NEW DRIP PADS

owners and

operators of drip pads

	EEDEDA	41141 6 2011-	STATE ANALOG IS:		
FEDERAL	FEDERAL RCRA	ANALOGOUS STATE	EQUIV-	MORE STRIN-	BROAD
REQUIREMENT	CITATION	CITATION	ALENT	STRIN- GENT	ER 11 SCOPE
must annual Atlanta					
must ensure that the					
pads are designed, installed and					
operated in		*			
accordance with all					
applicable 264.572,					
264.573 and					
264.574 requirements	264.575	31 TAC §335.152(a)(	1/ >	V	
		ا (۵) عدا . ددوی عدا اد	14)	X	
		TUS STANDARDS FOR OWNERS AND C			
	HAZARDOUS WASTE TREA	TMENT, STORAGE AND DISPOSAL F	ACILITIES		
	SUB	PART J - TANK SYSTEMS			***************************************
APPLICABILITY					
add reference to					~~~
paragraph (c)	265.190	31 TAC §335.112(a)(9	9)	Х	
add new paragraph					
subjecting tanks,					
sumps and other					
collection devices					
used in conjunction					
with Subpart W-					
regulated drip pads	, manua				
to Part 265, Subpart J	2/5 400	_			
requirements	265.190(c)	31 TAC §335.112(a)(9	)	X	
	SU	BPART W - DRIP PADS			
APPLICABILITY Subpost 11 and 15 and 1					
Subpart W applies to owners and					
operators of facilities					
that use new or					
existing drip pads					
to convey treated					
wood drippage to an					
associated collection					
system; existing drip					
pads defined	265 //0/=>	74 746 6775 445			
owner or operator	265.440(a)	31 TAC §335.112(a)(2	0)	X	
of certain drip pads					
inside or under					
structure					
21. 001010					

	FEREDAL	A11A1 000110	STAT	STATE ANALOG IS:		
FEDERAL	FEDERAL RCRA	ANALOGOUS STATE	EQUIV-	MORE STRIN-	BROAD -	
REQUIREMENT	CITATION	CITATION	ALENT	STRIN- GENT	ER IN SCOPE	
			7,7,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1			
must ensure that the						
pads are designed,						
installed and						
operated in						
accordance with all		•				
applicable 264.572,						
264.573 and						
264.574 requirements	264.575	31 TAC §335.152(a)(1	4)	X		
		TUS STANDARDS FOR OWNERS AND OP TMENT, STORAGE AND DISPOSAL FAC				
	SUB	PART J - TANK SYSTEMS				
APPLICABILITY						
add reference to				-		
paragraph (c)	265.190	31 TAC §335.112(a)(9)	)	X		
add new paragraph						
subjecting tanks,						
sumps and other						
collection devices						
used in conjunction						
with Subpart W-						
regulated drip pads	- company					
to Part 265, Subpart J						
requirements	265.190(c)	31 TAC §335.112(a)(9)		X		
	SU	BPART W - DRIP PADS				
APPLICABILITY				***************************************		
Subpart W applies						
to owners and						
pperators of facilities						
hat use new or						
xisting drip pads						
o convey treated						
ood drippage to an						
ssociated collection						
ystem; existing drip						
ads defined	245 //0/ >	<b>9. 2.</b> 2				
wher or operator	265.440(a)	31 TAC §335.112(a)(20	Σ	X		
· ·						
f certain drip pads nside or under						
structure						
J., UCLUI C						

	FEDERAL ANALOGOUS		STATE ANALOG IS:		
FEDERAL REQUIREMENT	RCRA	STATE	EQUIV-	MORE STRIN-	BROAD ER IN
	CITATION	CITATION	ALENT	GENT	SCOPE
not subject to					
265.443(e) or					
265.443(f)					
regulations, as	D/F // D//				
appropriate	265.440(b)	31 TAC §335.112(a)(20)	·····	X	
ASSESSMENT OF EXISTING DRI	P PAD INTEGRITY				
evaluation of existing	1 TAD TRICGRITS				
drip pads; by June 6,					
1991, written					
assessment obtained					
and kept on file;					
annual review, update					
and recertification					
required until 265.443					
standards are met,					
except for 265.443(b)					
standards for liners					
and leak detection					
systems;					
documentation					
of drip pad age	265.441(a)	31 TAC §335.112(a)(20)		Χ	
development of					
written plan for up-		•			
grading, repairing and					
modifying drip pad	Acodomy				
to meet 265.443(b)					
requirements;					
submittal of plan to					
Regional Adminis-					
trator no later than					
years before					
completion of modi-					
fications;					
vritten plan docu-					
mentation, review and					
certification require-					
ments; conditions for					
completion of					
pgrades, repairs					
and modifications	245 //1/5	74 712 277			
or existing drip	265.441(b)	31 TAC §335.112(a)(20)		X	
·					
eads of known and					
ocumentable age,					
pgrades, repairs					
nd modifications					
ompleted within					

	FEDERAL ANALOGOUS		STATE ANALOG IS:		
FEDERAL REQUIREMENT	RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	MORE STRIN- GENT	BROAD - ER IN SCOPE
****************					
two years of					
June 6, 1991; or					
when the drip pad		· ·			
has reached					
15 years of age,					
whichever comes					
later	265.441(b)(1)	31 TAC §335.112(a)(20)		X	
for existing drip pads					
with no documentable					
age, upgrades, repairs					
and modifications					
nust be completed					
within 8 years of June					
June 6, 1991; if					
facility is over 7 years					
old, completion by the					
ime facility reaches					
5 years or by two					
rears after June 6,					
991, whichever					
omes later	265.441(b)(2)	31 TAC §335.112(a)(20)		V	
onditions under		3. TAC \$333.112(a)(20)		X	
hich owner or					
perator may petition					
egional Adminis-					
rator for extension	_				
f deadline;					
etition granted if					
rip pad meets all					
65.443 requirements,					
xcept those for					
iners and leak					
etection systems					
pecified in					
55.443(b)	265.441(b)(3)	31 TAC §335.112(a)(20)		Х	
ubmittal of					
equired drawings					
nd certification to					
egional Administrator					
State Director					
oon completion of					
l repairs and					
odifications	265.441(c)	31 TAC §335.112(a)(20)		Х	
drip pad found to					<del></del>
e leaking or unfit for					
e, comply with					

	FEDERAL ANALOGOUS		STATE ANALOG IS:			
FEDERAL	RCRA	ANALOGOUS STATE	EQUIV-	MORE STRIN-	BROAD-	
REQUIREMENT	.CITATION	CITATION	ALENT	GENT	ER IN SCOPE	
sions or close drip						
pad in accordance						
with 265.445	265.441(d)	31 TAC §335.112(a)(20)		X		
DESIGN AND INSTALLATION O	F NEU DDID DADC					
owners and operators	NEW DATE FADS					
of new drip pads						
must ensure that the						
pads are designed,						
installed and						
operated in						
accordance with all						
applicable 265.443,						
265.444 and						
265.445 requirements	245 442					
-02.442 Tegoti ellients	265.442	31 TAC §335.112(a)(20)	······································	X		
DESIGN AND OPERATING REQU	IREMENTS					
drip pads must:	265.443(a)	31 TAC §335.112(a)(20)		X		
pe constructed of				^		
non-earthen						
naterials, excluding						
wood and non-						
structurally supported						
esphalt	265.443(a)(1)	31 TAC §335.112(a)(20)				
e sloped to free-		31 TAC (333):112(a)(20)		X		
drain wastes to the						
ssociated collection						
ystem	265.443(a)(2)	71 TAC 5775 440.				
ave a curb or berm	2003/6/(2/	31 TAC §335.112(a)(20)		X		
round the perimeter	265.443(a)(3)	74 *** ****				
e impermeable	(a)(a)	31 TAC §335.112(a)(20)		X	·····	
s specified	265.443(a)(4)	74 740 6777				
e of sufficient	200.443(8)(4)	31 TAC §335.112(a)(20)		X		
tructural strength						
nd thickness to						
eet specified condi-						
ions; note regarding						
cructural integrity	<b>B</b> 4 <b>B</b> 3 3 5					
andards	265.443(a)(5)	31 TAC §335.112(a)(20)		X		
new drip pad or an						
disting drip pad,						
ter the 265.441(b)						
adline, must have:	265.443(b)	31 TAC §335.112(a)(20)		Χ		
synthetic liner					-	
at meets certain						
ecifications	265.443(b)(1)	31 TAC §335.112(a)(20)		Χ		

	EFRENAL		STATE ANALOG IS:		
FEDERAL	FEDERAL RCRA	ANALOGOUS STATE	EQUIV-	MORE STRIN-	BROAD -
REQUIREMENT	CITATION	CITATION	ALENT	GENT	ER IN SCOPE
•					
specific requirements					
for liner construction					
materials	265.443(b)(1)(i)	31 TAC §335.112(a)(20)		X	
foundation or base					
requirements	265.443(b)(1)(ii)	31 TAC §335.112(a)(20)	- <del> </del>	X	
liner must cover					
all surrounding					
earth that could					
come into contact					
with the waste					
or leakage	265.443(b)(1)(iii)	31 TAC §335.112(a)(20)		x	
leakage detection					
system immediately					
above the liner;					
detection					
system must be:	265.443(b)(2)	31 TAC §335.112(a)(20)		X	
constructed of					***************************************
materials that are:	265.443(b)(2)(i)	31 TAC §335.112(a)(20)		X	
chemically resistant		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
to relevant waste					
and leakage	265.443(b)(2)(i)(A)	31 TAC §335.112(a)(20)		X	
of sufficient strength		31 1/10 3333.112(8)(20)		^	
and thickness to					
prevent collapse	265.443(b)(2)(i)(B)	31 TAC §335.112(a)(20)		X	
designed to detect the		3. The 3333. The (8)(20)		^	
failure of the drip	_				
pad or the presence					
of hazardous waste					
release or					
accumulated liquid at					
the earliest					
practicable time	265.443(b)(2)(ii)	71 745 5775 4474			
maintenance of drip	203.443(0)(2)(11)	31 TAC §335.112(a)(20)		X	
pads; note regarding					
remedial action	345 //7/->	74 0777			
convey, drain, and	265.443(c)	31 TAC §335.112(a)(20)		Х	
collect liquid resulting					
from drippage or					
precipitation in order					
	245 442 4				
to prevent run-off	265.443(d)	31 TAC §335.112(a)(20)		Χ	
run-on control					
system requirements,					
unless drip pad					
s protected					
by a structure, as					
described in					
65.440(b)	265.443(e)	31 TAC §335.112(a)(20)		X	

	FEDERAL	ANAL OCOUR	STATE ANALOG IS:		
FEDERAL REQUIREMENT	RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	MORE STRIN- GENT	BROAD ER IN SCOPE
run-off management					
system requirements,					
unless drip pad		at			
is protected by a					
structure, as					
described in					
265.440(b)	265.443(f)	31 TAC §335.112(a)(20)		X	
evaluation of					
drip pad for					
compliance with					
265.443(a) - (f)					
requirements;					
design certification					
required	265.443(g)	31 TAC §335.112(a)(20)		x	
removal of drippage		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	······································		
and accumulated					
precipitation from					
associated collection					
system as necessary					
to prevent overflow					
onto the drip pad	265.443(h)	31 TAC §335.112(a)(20)		.,	
horough cleaning of	200.442(11)	37 TAC \$333. [12(8)(20)		X	
irip pad surface at					
east once every					
seven days to meet					
pecified conditions;					
locumentation of					
iate, time and					
leaning procedure in					
acility's					
perating log	265.443(i)	31 TAC §335.112(a)(20)	***************************************	X	
inimize tracking of					
azardous waste or					
onstituents off the		•			
rip pad	265.443(j)	31 TAC §335.112(a)(20)		X	
fter removal from					
reatment vessel,					
reated wood from					
ressure and non-					
ressure processes					
ust be held on pad					
ntil drippage has					
eased; documen-					
ation required	265.443(k)	31 TAC §335.112(a)(20)		X	
ollection and holding	- X:3/	3. 1 3333.112(8)(20)		^	
nits for run-on and					
un-off control systems					

		: Wood Preserving Listings (			
FEDERAL	FEDERAL RCRA	ANALOGOUS STATE	EQUIV-	TE ANALOG IS: MORE STRIN-	BR ER
REQUIREMENT	CITATION	CITATION	ALENT	GENT	S
emptied or otherwise					
managed as soon as					
•					
possible after storms		*			
to maintain design	2/5 //2/1	24			
capacity	265.443(1)	31 TAC §335.112(a)(20)		X	
throughout the active					
life of the drip pad					
and as specified in					
the permit, repair of					
detected condition					
that could lead to					
or has caused a					
release of hazardous					
waste within a					
reasonable period					
of time, in accordance					
with the following					
procedures:	245 //7/m)	71 740 6775 440			
	265.443(m)	31 TAC §335.112(a)(20)		X	
upon detection of a					
condition that has led					
or could lead to a					
release of hazardous					
waste, the owner					
must:	265.443(m)(1)	31 TAC §335.112(a)(20)		X	
entry of discovery in					
the facility operating					
log	265.443(m)(1)(i)	31 TAC §335.112(a)(20)		Х	
immediate removal					
from service of		•			
affected portion of					
drip pad	265.443(m)(1)(ii)	31 TAC \$775 113/		V	
determination of steps	203.743(11)(11)	31 TAC §335.112(a)(20)		X	
to repair drip pad,					
remove any leakage,					
and establish schedule					
for clean up and					
repairs	265.443(m)(1)(iii)	31 TAC §335.112(a)(20)		X	
notify Regional					
Administrator within					
24 hours after					
discovery; provide					
written notice as					
specified within 10					
working days	265.443(m)(1)(iv)	31 TAC §335.112(a)(20)		X	
review, determination		J/.C 3000.112(a)(20)			
and notification by					
Regional Administrator	745 //7/>/7>	71 710 (775			
MEGIONAL AUMINISTRATOR	265.443(m)(2)	31 TAC §335.112(a)(20)		X	

	FEDERAL	ANALOGOUS	STATE ANALOG IS:		
FEDERAL REQUIREMENT	RCRA CITATION	STATE CITATION	EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
written notification to					
Regional Adminis-					
trator and		,			
certification of					
compliance with					
265.443(m)(1)(iv)					
after repairs and					
clean up	265.443(m)(3)	31 TAC §335.112(a)(20)		Χ	
documentation in					
operating log, as					
specified, of					
past operating and					
waste handling					
practices	265.443(n)	31 TAC §335.112(a)(20)		Х	
INSPECTIONS					
inspection of liners					
and cover systems					
for uniformity, damage					
and imperfections					
during construction or					
installation; inspection and certification of					
liners to meet					
265.443 requirements;	materion.				
maintenance of					
certification as part					
of the facility					
operating record;					
inspection of liners					
and covers after					
installation	265.444(a)	31 TAC §335.112(a)(20)		x	
drip pad must be		A contract of the second of th	······································	***************************************	
inspected weekly and					
after storms to detect					
evidence of any of					
the following:	265.444(b)	31 TAC §335.112(a)(20)		X	
deterioration,					
malfunctions or					
improper operation					
of run-on and run-off					
control systems	265.444(b)(1)	31 140 8275 117/-1/201		V	
presence of		31 TAC §335.112(a)(20)		Χ	
leakage in and proper					
functioning of leak					
detection system	245 ////->/25	74			
deterioration or	265.444(b)(2)	31 TAC §335.112(e)(20)		X	

			STATE ANALOG IS:		
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV-	MORE STRIN- GENT	BROAD- ER IN
		3.77.1.30.1	ALCHI	GENI	SCOPE
cracking of drip pad					
surface; note regar-					
ding remedial action	265.444(b)(3)	31 TAC §335.112(a)(20)		X	
CL OCUPT					
CLOSURE					
at closure, removal and decontamination					
requirements; manage-					
, ,					
ment as hazardous	D/5 //5	44			
waste	265.445(a)	31 TAC §335.112(a)(20)		X	
closure and post-					
closure care of drip					
pad as a landfill under					
265.310, if some					
contaminated subsoils	e e				
cannot be removed or					
decontaminated;					
for permitted					
units, permit require-					
ment continues					
throughout post-					
closure period	265.445(b)	31 TAC §335.112(a)(20)		X	
owner or operator					
of an existing drip					
pad not in compliance					
with the 265.443(b)(1)	- American Control of the Control of				
liner requirements					
must:	265.445(c)(1)	31 TAC §335.112(a)(20)		Χ	
include in the closure					
plan for the drip pad					
under 265.112, a plan					
for 265.445(a) com-					
pliance and a contin-					
gent plan for					
265.445(b) compliance	265.445(c)(1)(i)	31 TAC §335.112(a)(20)		X	
prepare contingent					
post-closure plan					
under 265.118 for					
complying with					
265.445(b) in case					
not all contaminated					
subsoils can be					
practicably removed					
at closure	265.445(c)(1)(ii)	31 TAC §335.112(a)(20)		V	
cost estimates		J. INC 3000. 112(8)(20)		Х	
calculated under					
265.112 and 265.144					

FEDERAL REQUIREMENT			STATE ANALOG IS:		
	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	MORE STRIN- GENT	BROAD ER IN SCOPE
					<u> </u>
for closure and post-					
closure care of drip					
pad subject to		•			
265.445 must include					
cost of complying with					
contingent closure					
plan and contingent					
post-closure plan; cost					
of expected closure					
under 265.445(a) need					
not be included	265.445(c)(2)	31 TAC §335.112(a)(20)		X	

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

#### SUBPART B - PERMIT APPLICATION

SPECIAL PART B INFORMATION	REQUIREMENTS FOR DRIP P	ADS	
additional information			
to be provided by			
owners and operators			
of hazardous waste			
treatment, storage,			
or disposal facilities	gaptions		
that collect, store, or			
treat hazardous waste			
on drip pads, except			
as otherwise provided			
by 264.1	270.26	31 TAC §305.50(4)(A)	X
list of hazardous			
wastes placed or			
to be placed on			
each drip pad	270.26(a)	31 TAC §305.50(4)(A)	X
detailed plans and			
an engineering report			
describing how			
264.90(b)(2) will			
be met, if an			
exemption is sought			
to Subpart F of			
Part 264	270.26(b)	31 TAC §305.50(4)(A)	X
detailed plans and		and the second s	
an engineering report			
describing the design,			
construction, opera-			
tion and maintenance			

	EEDEDAI	FEDERAL ANALOGOUS		STATE ANALOG IS:		
FEDERAL	FEDERAL RCRA	ANALOGOUS STATE	EQUIV-	MORE STRIN-	BROAD- ER IN	
REQUIREMENT	CITATION	CITATION	ALENT	GENT	SCOPE	
of drip pad to meet						
264.572 require-						
ments; submission		*				
must address						
264.571 items	270.26(c)	31 TAC §305.50(4)(A)		X		
design characteristics						
of the drip pad	270.26(c)(1)	31 TAC §305.50(4)(A)		X		
liner system	270.26(c)(2)	31 TAC §305.50(4)(A)		X		
leakage detection						
system	270.26(c)(3)	31 TAC §305.50(4)(A)		X		
practices designed						
o maintain drip						
pads .	270.26(c)(4)	31 TAC §305.50(4)(A)		Х		
associated collection						
system	270.26(c)(5)	31 TAC §305.50(4)(A)		X		
control of run-on						
to the drip pad	270.26(c)(6)	31 TAC §305.50(4)(A)		Х		
ontrol of run-off						
rom the drip pad	270.26(c)(7)	31 TAC §305.50(4)(A)		X		
emoval intervals and						
lemonstration of						
ufficiency to prevent						
verflow	270.26(c)(8)	31 TAC §305.50(4)(A)		X		
rocedures for						
leaning drip pad at	appellis.					
east once every						
even days;						
rovisions for						
ocumentation of						
ate, time and						
leaning procedure	270.26(c)(9)	31 TAC §305.50(4)(A)		X		
perating practices						
nd procedures to						
inimize tracking of						
azardous waste						
r waste constituents						
ff the drip pad	270.26(c)(10)	31 TAC §305.50(4)(A)		X		
rocedures for						
nsuring that						
reated wood from						
ressure and non-						
ressure processes is						
eld on the drip pad						
ntil drippage has						
eased; recordkeeping						
ractices	270.26(c)(11)	31 TAC §305.50(4)(A)		X		

FEDERAL REQUIREMENT			STATE ANALOG IS:		
	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
provisions for					
ensuring that					
collection and					
holding units for					
run-on and run-off		•			
control systems					
are emptied or					
managed as soon as					
possible after storms					
to maintain design					
capacity	270.26(c)(12)	31 TAC §305.50(4)(A)		X	
if treatment is carried					<del></del>
out on the drip pad,					
details of process					
equipment used, and					
the nature and quality					
of residuals	270.26(c)(13)	31 TAC §305.50(4)(A)		X	
description of drip					
pad inspections to					
meet 264.572 require-					
ments; include in					
270.14(b)(5)					
inspection plan	270.26(c)(14)	31 TAC §305.50(4)(A)		X	
certification that drip				**************************************	
pad design meets					
264.571(a) - (f)	_				
requirements	270.26(c)(15)	31 TAC §305.50(4)(A)		X	
description of removal					
procedures at closure					
under 264.573(a);					
for waste not removed					
at closure, submittal					,
of detailed plan and					
engineering report to					
describe compliance					
with 264.310(a)					
and (b); information	•				
should be included					
in closure plan					
and, where applicable,					
270.14(b)(13)					
post-closure plan	270 26(6)(14)	71 TAC 2705 50//2/-		.,	
crosu, c pran	270.26(c)(16)	31 TAC §305.50(4)(A)		X	

#### RCRA REVISION CHECKLIST 82: Wood Preserving Listings (Cont'd)

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

Note that paragraph 264.572(m)(3) in the <u>Federal Register</u> (55 <u>FR</u> 50486, December 6, 1990), has an incorrect reference. The reference to "paragraph (m)(3) of this section" should be to "paragraph (m)(1)(iv) of this section." This error is addressed by the July 1, 1991 technical corrections to the rule (56 <u>FR</u> 30192).

Note that paragraph 265.443(m)(3) in the <u>Federal Register</u> (55 <u>FR</u> 50488, December 6, 1990), has an incorrect reference. The reference to "paragraph (m)(3) of this section" should be to "paragraph (m)(1)(iv) of this section." This error is addressed by the July 1, 1991 technical corrections to the rule (56 <u>FR</u> 30192).

<sup>&</sup>lt;sup>3</sup> Note that the Boilers and Industrial Furnaces Rule (56 <u>FR</u> 7134; February 21, 1991; Revision Checklist 85) inadvertently removed these requirements from the code. The July 1, 1991 (56 <u>FR</u> 30192; Revision Checklist 92) Wood Preserving technical corrections notice rectified this problem by redesignating this section as 270.26.

#### RCRA REVISION CHECKLIST 83

Land Disposal Restrictions for Third Third Scheduled Wastes; Technical Amendments 56 <u>FR</u> 3864-3928' January 31, 1991 RCRA Cluster I

Note: On June 1, 1990, EPA published regulations promulgating prohibitions on land disposal of the Third Third scheduled hazardous wastes (see Revision Checklist 78;  $55 \, \underline{\text{FR}}$  22520). The final rule addressed by this present checklist corrects errors and clarifies the language in the preamble and regulations of the June 1, 1990 final rule. States adopting the Revision Checklist 78 provisions are strongly encouraged to adopt these technical amendments simultaneously, particularly due to the many revisions to 268.41, 268.42, 268.43 and the Part 268 appendices.

	FF0F044		STATE	ANALOG IS:	
FEDERAL	FEDERAL	ANALOGOUS		MORE	BROAD-
REQUIREMENT	RCRA	STATE	EQUIV-	STRIN-	ER IN
REGOTREPIEM	CITATION	CITATION	ALENT	GENT	SCOPE
	PART 261 - IDENTIFI	CATION AND LISTING OF HAZARDOU	S WASTE		
	5	SUBPART A - GENERAL			
DEFINITION OF HAZARDOUS WA	ISTE				
add parenthetical	1012		***************************************		
phrase regarding					
characteristic wastes,					
no longer exhibiting					
a characteristic, that					
still may be subject					
to 268 requirements	261.3(d)(1)	31 TAC §335.1	×		
				77	
	SUBPART C - CHA	ARACTERISTICS OF HAZARDOUS WAS	rE		
GENERAL					
insert "used"					
after "This					
number must be"	261.20(b)	31 TAC §335.1	x		
			<u> </u>		·
	SUBPAKT D	- LISTS OF HAZARDOUS WASTES			
HAZARDOUS WASTES FROM NON-	SPECIFIC SOURCES				
revise description					
of F039	261.31(a)	31 TAC §335.1	X		
	DART 7/7 CTANDARD ARE				
	PART 202 - STANDARDS APP	LICABLE TO GENERATORS OF HAZAR	DOUS WASTE		
	SI	UBPART A - GENERAL			
UAZADDOUG MAGESTA					·
HAZARDOUS WASTE DETERMINAT replace "subpart D of	ION				
this part" with					
"subpart D of 40 CFR					
Part 261"	262.11(c)	74 740 5775 504.0.			
, or c cor	202.11(0)	31 TAC §335.504(2)	X		
	SUBPART C -	PRE-TRANSPORT REQUIREMENTS			
ACCUMULATION TIME				***************************************	
replace "and" between					
"section" and "the					
requirements" with ":":					
add "the requirements					

3

	5505041		STATE ANALOG IS:		
FEDERAL	FEDERAL	ANALOGOUS		MORE	BROAD -
FEDERAL	RCRA	STATE	EQUIV-	STRIN-	ER IN
REQUIREMENT	CITATION	CITATION	ALENT	GENT	SCOPE
of 40 CFR					
268.7(a)(4)"	262.34(d)(4)	31 TAC §335.69(f)(4)	×		
		AND DISPOSAL RESTRICTIONS			
	SLIB	PART A - GENERAL			
	300	CACIA GERENAL			***************************************
DEFINITIONS APPLICABLE IN T replace "paragraph	THIS PART				
(g)(6)" with					
"paragraph (f)"	268.2(d)	31 TAC §335.431(c)	X		
insert "wastewaters are" after "F005"	,				***************************************
at beginning of	200 200				
paragraph remove "(as	268.2(f)(1)	31 TAC §335.431(c)	X		
generated) that" after					
'wastewaters"; add					
', as generated." at					
end of paragraph	268.2(f)(2)	31 TAC §335.431(c)	x		
eplace "Inorganic				<del></del>	
Solid Debris are" with					
'Inorganic Solid					
Debris means"; insert					
0004-D011 hazardous					
wastes" after "solids":					
nsert "; and" after					
sieve"; remove the	name.				
comma and insert					
; and, are" after					
tabilization	268.2(g)	31 TAC §335.431(c)	X		
eplace periods at the					
end of each sub-					
paragraph with					
emicolons	268.2(g)(1)-(7)	31 TAC §335.431(c)	X		
ASTE ANALYSIS AND RECORDKE	EPING				
eplace "or section			***************************************	***************************************	
68.43 of the part"					
ith "of this part, if a					
enerator's waste is isted in 40 CFR					
art 261, Subpart D";					
elete "developed";					
eplace "Appendix I of					
his part" with "Part					
61, Appendix II"; add					
entence regarding					
68 Appendix IX test-					
ng or knowledge of					
aste to determine if					
aste exhibiting one					
r more characteristics					
	0.40 77.				
s restricted from land isposal eplace "may" with	268.7(a)	31 TAC §335.431(c)	X		

			STATE ANALOG IS:			
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	MORE STRIN- GENT	BROAD - ER IN SCOPE	
included, or"; revise the information that must be included on the notification to include the applicable wastewater or non- wastewater category			ALLINI	GEN 1	SCOPE	
and waste code sub- division; change "treatment standards appear" to "applicable treatment standard appears"	268.7(a)(1)(ii)	31 TAC §335.431(c)	х			
replace "may" with "must either be included, or"; revise the information that must be included on the notification to include the applicable wastewater or non-		3 3337.3(0)	X			
nastewater category nd waste code sub- livision; change treatment standards ppear" to "applicable reatment standard ppears"	268.7(a)(2)(i)(B)	31 TAC §335.431(c)	X			
eplace "may" with must either be ncluded, or"; revise he information that ust be included on he notification to nclude the applicable		3: The \$333.431(c)	^		Walter and the control of the contro	
astewater or non- astewater category nd waste code sub- ivision; change treatment standards opear" to "applicable reatment standard	249 7/23/73/::3	74 740 5775 4744 1				
edesignate 68.7(a)(6) s (a)(7); add new aragraph (a)(6) re- arding conditions nder which a enerator, managing a estricted waste ex- luded from the efinition of hazardous solid waste, must lace a one-time otice containing	268.7(a)(3)(ii)	31 TAC §335.431(c)	X			
pecified information n the facility's file	268.7(a)(6)					

			STATE	ANALOG IS:	
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	MORE STRIN- GENT	BROAD ER IN SCOPE
268.7(a)(7); add a					
sentence stating that					
the paragraph applies					
even when charac-					
teristic is removed					
prior to disposal or					
waste is excluded					
or exempted	268.7(a)(7)	31 TAC §335.431(c)	X		
redesignate old			Λ		
268.7(a)(7) as					
268.8(a)(8)	268.7(a)(8)	31 TAC §335.431(c)	X		
redesignate old					
268.7(a)(8) as					
268.7(a)(9)	268.7(a)(9)	31 TAC §335.431(c)	Х		
redesignate old					
268.7(a)(9) as					
268.7(a)(10)	268.7(a)(10)	31 TAC §335.431(c)	X		
replace "may" with					
"must either be					
included, or"; revise					
the information that					
must be included on					
the notification to					
include the applicable					
wastewater or non-					
wastewater category and waste code sub-					
division; change					
"treatment standards					
appear" to "applicable					
treatment standard	agentum.				
appears"	268.7(b)(4)(ii)	74 TAC S775 /744			
appear 3	200.7(0)(4)(11)	31 TAC §335.431(c)	X		
SPECIAL RULES REGARDING WA	STES THAT EXHIBIT A CHARACT	FRISTIC			
eplace "each waste	Similar				
code" with "each EPA					
łazardous Waste					
lumber (waste					

code)"; replace "carry a waste code designation" with "carry the waste code"; replace ", and also" with ". In addition, the waste will carry"; replace "waste code designations" with "of the waste codes"; replace "the relevant characteristic." with "a characteristic,"; add exception clause regarding the case when the treatment standard for the waste code in 261, Subpart D is used in lieu of that for 261, Subpart C

268.9(a) 31 TAC §335.431(c)

delete from the notifi-

			STATE ANALOG IS:		
FEDERAL	FEDERAL	ANALOGOUS		MORE	BROAD-
REQUIREMENT	RCRA CITATION	STATE	EQUIV-	STRIN-	ER IN
	CITATION	CITATION	ALENT	GENT	SCOPE
cation requirements		-			
the "treatability					
group(s)" and add					
requirements for the					
applicable wastewater					
or non-wastewater					
category and waste	2/2 24 14 14 14 14				
code sub-divisions	268.9(d)(1)(ii)	31 TAC §335.431(c)	X		
	SUBPART C - PRO	HIBITIONS ON LAND DISPOSAL			
JASTE SPECIFIC PROHIBITIONS	- FIRST THIRD WASTES	***************************************			
remove Hazardous					
Waste Nos. KO48,					
K049, K050, K051,					
K052, and K061					
(containing 15% zinc					
or greater); retain only					
(071 and revise					
grammar of paragraph to reflect a single					
vaste	268.33(b)	31 TAC §335.431(c)	v		
		31 100 3333.431(0)	X		
ASTE SPECIFIC PROHIBITIONS	- THIRD THIRD WASTES				
add in alphanumeric order: "F002					
(1,1,2-trichloroethane),					
F005 (benzene), F005					
(2-ethoxy ethanol),					
005 (2-nitro-					
propane)"; "F025";					
K015 (nonwaste-					
maters)"; ", reactive					
nonwastewaters)" after					
KO46 (wastewaters";					
and (high zinc sub-					
ategory > 15% zinc)"					
fter "K061 (waste-					
aters)"; ", calcium					
ulfate nonwaste-					
aters)" after "K069					
wastewaters"; and P026"; delete:					
ruzo"; detete: (wastewaters)" after					
K083"; "(waste-					
aters)" after "P018";					
P109"; and "(waste-					
aters)" after "U120"	268.35(a)	31 TAC §335.431(c)	X		
elete "(nonwaste-					
aters)" after "P087";					
elete "and"					
fter "U151					
nonwastewaters)";					
nange "inorganic					
olids debris" to					
inorganic solid					
ebris"; change 268.2(a)(7)" to					
268.2(g)"	268.35(c)	71 TAC 5775 /74/->			
	200.37(0)	31 TAC §335.431(c)	X		

1

			STATE ANALOG IS:		
FEDERAL REQUIREMENT	FEDERAL RCRA	ANALOGOUS STATE	EQUIV-	MORE STRIN-	BROAD ER IN
CCGOT KEMEN!	CITATION	CITATION	ALENT	GENT	SCOPE
add "268.10, 268.11, and" before "268.12"; add language pertain- ing to soil or debris contaminated with					
mixed radioactive/	2/2 75 / 1/2				
nazardous wastes delete "or" before	268.35(d)	31 TAC §335.431(c)	X		
"vitrification"; insert "acid leaching followed by chemical precipitation, or					
thermal recovery of metals," after					
'vitrification"	268.35(e)	31 TAC §335.431(c)	X		
	SUBPART	D - TREATMENT STANDARDS			
APPLICABILITY OF TREATMENT "Appendix I of this	STANDARDS				
part" is replaced by "Appendix II of Part 261" in the first sentence; "These wastes" replaces the repetition of the waste code numbers; "Appendix I of this part or the test method in appendix II of part 261" is replaced by "40 CFR Part 261, Appendix II, or the test method in Appendix IX of this part" in the second sentence; "value shown in Table CCW" is replaced with "con- centrations shown in Table CCWE"	268.40(a)	31 TAC §335.431(c)	X		
REATMENT STANDARDS EXPRESS	ED AS CONCENTRATIONS IN	WASTE EXTRACT			
Table CCWE is re- rised to read as shown at 6 FR 3880-3884, anuary 31, 1991; also see explanation of revisions at 6 FR 3868-3869	268.41(a)/ Table CCWE	31 TAC §335.431(c)	X		
			···········		
REATMENT STANDARDS EXPRESS add "," after "264, subpart 0"; shange "part 268, subpart C' to part 268, subpart D,";	ED AS SPECIFIED TECHNOL	OGIES			

	EEDEDAL		STATE ANALOG IS:		
EEDEDAL	FEDERAL	ANALOGOUS	E011-11	MORE	BROAD
FEDERAL REQUIREMENT	RCRA CITATION	STATE	EQUIV-	STRIN-	ER IN
CESO INCIDENTI	CITATION	CITATION	ALENT	GENT	SCOPE
insert "a" before		•			
"specific HOC."	268.42(a)(2)	31 TAC §335.431(c)	X		
add new paragraph					
(a)(3); mixture of					
wastewater (discharge					
of which is subject to					
Clean Water Act) and de minimis losses of					
materials that meet					
the criteria of D001					
ignitable liquids with					
greater than 10% TOC					
is subject to Table 1					
DEACT treatment					
standard; de minimis					
defined	268.42(a)(3)	31 TAC §335.431(c)	Х		
revise Table 1 as					
shown at 56 FR 3884-3885:					
also see explanation					
of changes at					
56 FR 3869	268.42(a)/Table 1	31 TAC §335.431(c)	Х		
revise Table 2 as		3333,131,07			
shown at					
56 <u>FR</u> 3885-3891;					
also see explanation					
of changes	2/0 /2/->/7 11 2	74 740 6775 1744 -	.,		
at 56 FR 3869 revise Table 3 as	268.42(a)/Table 2	31 TAC §335.431(c)	X		
shown at					
56 FR 3891-3892;	ülem r				
also see explanation					
of changes					
at 56 FR 3869	268.42(a)/Table 3	31 TAC §335.431(c)	X		
TREATMENT STANDARDS EXPRES	SED AS WASTE CONCENTRATIONS				
revise Table CCW as	TEL TO WHOLE CONCENTRATIONS				
shown at					
56 <u>FR</u> 3892-3911;					
also see explanation					
of changes	2/0 /7/ \	74			
at 56 FR 3869-3870 insert "by a footnote	268.43(a)/Table CCW	31 TAC §335.431(c)	X		
in Table CCW" before					
"in this section"	268.43(c)	31 TAC §335.431(c)	X		
insert "standards"			73		
after "treatment";					
insert comma after					
"Part 264, subpart 0";					
delete "40 CFR"	<b>949</b> ( <b>9</b> 3)	<b></b>			
before "part 265"	268.43(c)(1)	31 TAC §335.431(c)	X	***************************************	
revise paragraph to refer to the treatment					
refer to the treatment or disposal facility	268.43(c)(2)	31 TAC 8775 /71/21	v		
revise last sentence	200.43(0)(2)	31 TAC §335.431(c)	X		·····
so that "detection					
limits" for the					
"regulated" organic					
regulated organic					
constituents are achieved	268.43(c)(3)	31 TAC §335.431(c)			

	FFDERAL ANALOCOUS		STATE ANALOG IS			
EEDEDAI	FEDERAL	ANALOGOUS		MORE	BROAD	
FEDERAL REQUIREMENT	RCRA CITATION	STATE	EQUIV-	STRIN-	ER IN	
REGOTRERE	CITATION	CITATION	ALENT	GENT	SCOPE	
	APPE	NDIX IV TO PART 268				
ORGANOMETALLIC LAB PACKS						
revise Appendix IV as shown at 56 <u>FR</u> 3912; also see explanation		-				
of changes at 56 FR 3870	Appendix IV	31 TAC §335.431(c)	Χ			
	APPE	ENDIX V TO PART 268				
ORGANIC LAB PACKS revise Appendix V as					***************************************	
shown at 56 <u>FR</u> 3912; also see explanation of changes at						
56 FR 3870	Appendix V	31 TAC §335.431(c)	X			
	ADDEN	IDIX VII TO PART 268				
	APPEN	DIX VII TO PART 208				
FADLE 1 FEFECTIVE DATES	OF CUREACE DICEOCCE MACE	50 (10) 001 110 5555				
TABLE 1 EFFECTIVE DATES REGULATED IN THE LDRS - CO		ES (NUN-SUIL AND DEBRIS)				
revise Appendix VII to reflect two tables					•	
rather than one table;						
Table 1 is shown at						
56 <u>FR</u> 3912-3919;						
also see explanation	-					
of changes at						
56 FR 3870	Appendix VII/Table 1	31 TAC §335.431(c)	Χ	***************************************		
TABLE 2 SUMMARY OF EFFE	CTIVE DATES OF LAND DISPOS	SAL RESTRICTIONS FOR				
CONTAMINATED SOIL AND DEBRI revise Appendix VII to	IS (CSD)					
reflect two tables						
ather than one table;						
Table 2 is shown at						
56 <u>FR</u> 3919-3920;						
also see explanation						
of changes at						
66 FR 3870	Appendix VII/Table 2	31 TAC §335.431(c)	X		···-	
	APPEND	DIX VIII TO PART 268				
	V050 500 V100 V100 V100 V100 V100 V100 V					
MATIONAL CAPACITY LDR VARIA Tevise Appendix VIII	INCES FUR UIC WASTES				**	
evise appendix viii as shown at						
66 FR 3920; also see						
explanation of						
changes at						
66 FR 3870	Appendix VIII	31 TAC §335.431(c)	<u> </u>			
	-					
	***************************************	IDIX IX TO PART 268				

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### RCRA REVISION CHECKLIST 83: Land Disposal Restrictions for Third Third Scheduled Wastes; Technical Amendments (cont'd)

			STATE ANALOG IS:		
FEDERAL REQUIREMENT	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	MORE STRIN- GENT	BROAD- ER IN SCOPE
TEST (SW-846, METHOD 1310A)					
add new appendix which describes an	2.4.				
interim method to					
determine whether a waste exhibits the					
characteristic of EP					
Toxicity as shown at					
56 <u>FR</u> 3920-3927; also see discussion					
at 56 FR 3870-3871	Appendix IX	31 TAC §335.431(c)	X		

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

#### SUBPART D - CHANGES TO PERMIT

PERMIT MODIFICATION AT THE REQUEST OF THE PERMITTEE

add a footnote symbol
to the Class 1
designation at B.1.b. 270.42/Appendix I 31 TAC §305.69(h) X

Note that the volume number on this Federal Register notice is incorrect. It should be 56 rather than 55; 55

- was the volume corresponding to 1990.
- reference to "F023" in the parenthetical phrase was inadvertently left out. States should not remove "F023" when revising their F039 description.

The Federal Register (56 FR 3877) contains a typographical error in the revised description of F039. The

The <u>Federal Register</u> (56 <u>FR</u> 3877) incorrectly changes the period at the end of 268.2(g)(8) to a semicolon. States are advised to retain the period because 268.2(g)(8) is the last subparagraph in a series of eight pertaining to various inorganic or metal materials.

#### Incorporation by Reference Form 1

#### RCRA Revision Checklist 83

#### · Cluster RCRA I

	STATE ANALOG IS:				
STATE CITATION INCORPORATING BY REFERENCE	EQUIVALENT	MORE STRINGENT	BROADER IN SCOPE		
31 TAC §335.1	. X				
31 TAC §335.1	Χ				
31 TAC §335.1	X		***************************************		
31 TAC §335.431(c)	X				
31 TAC §335.431(c)	Χ .				
31 TAC §335.431(c)	X				
31 TAC §335.431(c)	X				
31 TAC §335.431(c)	X				
31 TAC §335.431(c)	Х				
31 TAC §335.431(c)	X				
31 TAC §335.431(c)	X				
31 TAC §335.431(c)	Х				
31 TAC §335.431(c)	Х				
31 TAC §335.431(c)	Х				
31 TAC §335.431(c)	Х				
31 TAC §335.431(c)	Х				
31 TAC §335.431(c)	X				
31 TAC §335,431(c)	X				
31 TAC §335.431(c)	Х				
31 TAC §335,431(c)	Х				
31 TAC §335.431(c)	Х				
	INCORPORATING BY REFERENCE  31 TAC §335.1  31 TAC §335.431(c)  31 TAC §335.431(c)	STATE CITATION   INCORPORATING BY REFERENCE   EQUIVALENT     31 TAC \$335.1	STATE CITATION INCORPORATING BY REFERENCE  31 TAC §335.1  X  31 TAC §335.1  X  31 TAC §335.1  X  31 TAC §335.431(c)  X		

		STATE ANALOG IS:			
	STATE CITATION		MORE	BROADER	
FEDERAL RCRA CITATION	INCORPORATING BY REFERENCE	EQUIVALENT	STRINGENT	IN SCOPE	
268.42(a)(2)	31 TAC §335.431(c)	X			
268.42(a)(3)	31 TAC §335.431(c)	X			
268.42(a)/Table 1	31 TAC §335.431(c)	Χ			
268.42(a)Table 2	31 TAC §335.431(c)	Χ			
268.42(a)/Table 3	31 TAC §335.431(c)	Χ			
268.43(a)/Table CCW	31 TAC §335.431(c)	Χ .	***************************************		
268.43(c)	31 TAC §335.431(c)	X			
268.43(c)(1)-(c)(3)	31 TAC §335.431(c)	Х			
Part 268 Appendix IV	31 TAC §335.431(c)	X			
Part 268 Appendix V	31 TAC §335.431(c)	X			
Part 268 App. VII/Table 1	31 TAC §335.431(c)	Χ			
Part 268 App. VII/Table 2	31 TAC §335.431(c)	X		APRILITATION AND A STATE OF THE	
Part 268 Appendix VIII	31 TAC \$335.431(c)	Х			
Part 268 Appendix IX		X			

Comments: