US ERA ARCHIVE DOCUMENT

RCRA REVISION CHECKLIST 99

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

			STATE	ANALOG	IS:
	FEDERAL	ANALOGOUS		MORE	BROAD
FEDERAL	RCRA	STATE	EQUIV-	STRIN-	ER IN
REQUIREMENT	CITATION	CITATION	ALENT	GENT	SCOPE
PART		STE MANAGEMENT SYS	STEM: GENEI	RAL	
DEFINITIONS					
"qualified ground-	0.00 10	225 1			
water scientist"	260.10	335.1	X		······
	SUBPART F - GR	OUND-WATER MONITO	RING		***************************************
GROUND-WATER MON	IITORING SYSTEM				
demonstrate alternate					
hydraulically down-					
gradient monitoring					
well location will meet					
alternate criteria;					
in writing and kept at					
facility; certified by					
qualified ground-water					
scientist and establish:	265.91(a)(3)	335.112(a)(5)	X		
existing physical					
obstacle prevents					
monitoring well					
installation at					
hydraulically					
downgradient limit					

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

			STATE	ANALOG	IS:
	FEDERAL	ANALOGOUS		MORE	BROAD-
FEDERAL	RCRA	STATE	EQUIV-	STRIN-	ER IN
REQUIREMENT	CITATION	CITATION	ALENT	GENT	SCOPE
of the waste					
management area	265.91(a)(3)(i)	335.112(a)(5)	X		, , , , , , , , , , , , , , , , , , , ,
selected alternate					
downgradient location					
is as close to limit of					
waste management area					
as practical	265.91(a)(3)(ii)	335.112(a)(5)	X		
location ensures					
detection that, given					
alternate location, is					
as early as possible					
of any statistical					
amounts of hazardous					
waste or constituents					
that migrate from the					
waste management area					
to uppermost aquifer	265.91(a)(3)(iii)	335.112(a)(5)	Х		
lateral expansion, new					
or replacement units					
not eligible for an					
alternate downgradient					
location	265.91(a)(3)(iv)	335.112(a)(5)	X		

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 ER 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.

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
	ZARDOUS WASTE MA	NAGEMENT SYST	EM: G	ENERA	L	
	SUBPART B - D	EFINITIONS				THE RESIDENCE OF THE PARTY OF T
DEFINITIONS			T	~	_	
add "replacement unit"	260.10	335.1	X			
revise "sump"	260.10	335.1	X			
PART 264 - STANDAR TREAT	DS FOR OWNERS AN	D OPERATORS OF ID DISPOSAL FACI	HAZAF LITIES	RDOUS	WAST	E
SUI	BPART B - GENERAL F	ACILITY STANDAR	DS			
GENERAL INSPECTION REQU	JIREMENTS			-		
replace "264.194" with "264.193, 264.195"; remove "264.253"; add	264 15/5//4	335.152(a)(1)	X	ASSECUTATION SECULATION CONTRACTOR SECULATION CONTRACTOR CONTRACTO		STREAM TO THE STREET ST
"264.278	264.15(b)(4)					
CONSTRUCTION QUALITY A	SSURANCE PROGRAM	VI			T	
2 CQA program	264.19(a)	335.152(a)(1)	<u> </u>			

				STATE	ANALOG 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						
professional engineer	264.19(a)(1)	335.152(a)(1)	X			
	264.19(a)(2)	335.152(a)(1)	X			
	264.19(a)(2)(i)	335.152(a)(1)	X			
	264.19(a)(2)(ii)	335.152(a)(1)	X			
	264.19(a)(2)(iii)	335.152(a)(1)	X			
	264.19(a)(2(iv)	335.152(a)(1)	X			
the physical components	264.19(a)(2)(v)	335.152(a)(1)	X			
the CQA program must address	264.19(a)(2)(vi)	335.152(a)(1)	X			
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 include:	264.19(b)	335.152(a)(1)	×			

			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)	335.152(a)(1)	X			
identification of key CQA plan development and implementation personnel; CQA officer qualifications	264.19(b)(2)	335.152(a)(1)	X			
inspection and sampling activities' description; what must be described	264.19(b)(3)	335.152(a)(1)	×			
contents of program	264.19(c)	335.152(a)(1)	X			ļ
must include observations, inspections, tests, and measurements sufficient to ensure:	264.19(c)(1)	335.152(a)(1)	×			
structural stability and integrity of 264.19(a)(2) units	264.19(c)(1)(i)	335.152(a)(1)	X			
proper construction according to permit specifications and good engineering practices, and proper installation according to design specifications	264.19(c)(1)(ii)	335.152(a)(1)	X			
material conformity with design and other material specifications	264.19(c)(1)(iii)	335.152(a)(1)	×		District of the state of the st	

					STATE	ANALOG IS	
	FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
2	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)	335.152(a)(1)	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)	335.152(a)(1)	X			
	SUBPART E - M	ANIFEST SYSTEM, RE	ECORDKEEPING, A	ND REP	ORTIN	G	
	OPERATING RECORD						7
	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)	335.152(a)(4)	×			

				STATE	NALOG IS	•
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
(SUBPART K - SURFACE	IMPOUNDMENTS			CM354500	
DESIGN AND OPERATING RE	QUIREMENTS				T	T
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)	335.168(c)	×			
liner system must include:	264.221(c)(1)(i)	335.168(c)	X	-		
top liner designed and constructed to prevent migration of hazardous constituents into liner for specified period	264.221(c)(1)(i)(A)	335.168(c)	×			
3 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)	335.168(c)	X			
liners must comply with 264.221(a)(1),(2)&(3)	264.221(c)(1)(ii)	335.168(c)	X			

				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	264.221(c)(2)	335.168(c)	X			
	bottom slope of 1 percent or more	264.221(c)(2)(i)	335.168(c)	×			
4	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)	335.168(c)	X			
	construction material specifications	264.221(c)(2)(iii)	335.168(c)	×			
	designed and operated to minimize clogging during active life and post-closure care period	264.221(c)(2)(iv)	335.168(c)	X			
	specifications for sumps and liquid removal methods	264.221(c)(2)(v)	335.168(c)	x	William Control of the Control of th		
	collect and remove pumpable liquids in sumps to minimize head on bottom liner	264.221(c)(3)	335.168(c)	×			
	what must be demonstrated if leak detection system is not located completely above seasonal high water table	264.221(c)(4)	335.168(c)	X			

				STATE ANALOG		
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
Regional Administrator may approve alternate design or operating practices if owner or operator can demonstrate that design/practices will:	264.221(d)	335.168(d)	×			
prevent hazardous constituent migration into ground or surface water as effectively as system specified in 264.221(c), and	264.221(d)(1)	335.168(d)	×			
allow detection of hazardous constituent leaks through top liner at least as effectively	264.221(d)(2)	335.168(d)	X			
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)	335.168(f)	X			
meets RCRA 3004(o)(1)(A)(i) and (o)(5) design standards	264.221(f)(1)	335.168(f)	X			
no reason to believe liner is not functioning as designed	264.221(f)(2)	335.168(f)	X	Demandant control (Articological Control	-	
old 264.221(f),(g)&(h) become 264.221(g),(h)&(i)	264.221(g)-(i)	335.168(g)-(i)	X		Postocompanyol production of the control of the con	Manufacture of the Control of the Co

ACTION LEAKAGE RATE

	4		STATE ANALOG IS:			
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
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)	335.152(a)(9)	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)	335.152(a)(9)	x			
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)	335.152(a)(9)	X			
responsibilities if flow rate into leak detection system exceeds the action leakage rate for any sump:	264.223(b)	335.152(a)(9)	×			
notify Regional Administrator in writing within seven days of determination	264.223(b)(1)	335.152(a)(9)	· X			

			STATE ANALOG IS:			
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
preliminary assessment to Regional Administrator within 14 days of determination; what assessment must address	264.223(b)(2)	335.152(a)(9)	×			
determine location, size and cause of any leak	264.223(b)(3)	335.152(a)(9)	X			
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)	335.152(a)(9)	X			
determine short- and longer- term actions to mitigate or stop any leaks	264.223(b)(5)	335.152(a)(9)	×			
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)	335.152(a)(9)	X			
how the 264.223(b)(3)-(5) determinations must be made:	264.223(c)	335.152(a)(9)	X			
assess the source of liquids and amounts by source	264.223(c)(1)(i)	335.152(a)(9)	X			

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FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	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	264.223(c)(1)(ii)	335.152(a)(9)	X			
assess seriousness of leaks	264.223(c)(1)(iii)	335.152(a)(9)	X			
document why assessments not needed	264.223(c)(2)	335.152(a)(9)	X			
MONITORING AND INSPECTI	ON		-	7	T	
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)	335.152(a)(9)	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)	335.152(a)(9)	×			
definition of "pump operating level"	264.226(d)(3)	335.152(a)(9)	L x			

				STATE A	ANALOG IS	
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
CLOSURE AND POST-CLOSUE	RE CARE					1
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)	335.169(b)(2)	X			
redesignated 264.228(b)(2) becomes new 264.228(b)(3)	264.228(b)(3)	335.169(b)(3)	×			
redesignated 264.228(b)(3) becomes new 264.228(b)(4)	264.228(b)(4)	335.169(b)(4)	X			
	SUBPART L - W	ASTE PILES	otronos es estados est			
DESIGN AND OPERATING RE	QUIREMENTS	-				7
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)	335.170(c)	×			
liner system must include:	264.251(c)(1)(i)	335.170(c)	<u> x</u>			

Nazzalanda kulikida menemenan da kini kini pinginda kelamak umun asam ang unan bersada da da tahun a tama anda da kini da Malaman				STATE	ANALOG IS	1
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
top liner designed and constructed to prevent migration of hazardous constituents into liner for specified period	264.251(c)(1)(i)(A)	335.170(c)	×			
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	264.251(c)(1)(i)(B)	335.170(c)	X			
liners must comply with 264.251(a)(1)(i)-(iii)	264.251(c)(1)(ii)	335.170(c)	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 264.251(c)(3)(iii)&(iv)	264.251(c)(2)	335.170(c)	×			

				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 the leak detection system; what the leak detection system must be capable of; minimum requirements:	264.251(c)(3)	335.170(c)	X			
bottom slope of 1 percent or more	264.251(c)(3)(i)	335.170(c)	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	264.251(c)(3)(ii)	335.170(c)	×			
construction material specifications	264.251(c)(3)(iii)	335.170(c)	X			
designed/operated to minimize clogging during active life and post-closure care period	264.251(c)(3)(iv)	335.170(c)	×			
specifications for sumps and liquid removal methods	264.251(c)(3)(v)	335.170(c)	X			
collect and remove pumpable liquids in leak detection system sumps to minimize head on the bottom liner	264.251(c)(4)	335.170(c)	X			
what must be demonstrated if leak detection system not located completely above seasonal high water table	264.251(c)(5)	335.170(c)	X			

				STATE	ANALOG IS	G IS:	
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE	
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)	335.170(d)	×				
prevent hazardous constituent migration into ground or surface water as effectively as system specified in 264.251(c), and	264.251(d)(1)	335.170(d)(1)	X				
allow detection of hazardous constituent leaks through top liner at least as effectively	264.251(d)(2)	335.170(d)(2)	×	NORTH THE REAL PROPERTY OF THE			
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)	335.170(e)	X				
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)	335.170(f)	X				
meets RCRA 3004(o)(1)(A)(i) and (o)(5) design standards	264.251(f)(1)	335.170(f)(1)	×				
no reason to believe liner is not functioning as designed	264.251(f)(2)	335.170(f)(2)	<u> </u> x				

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FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
old 264.251(c)-(g) become new 264.251(g)-(k)	264.251(g)-(k)	335.170(g)-(k)	X			The state of the s
ACTION LEAKAGE RATE						
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)	335.152(a)(10)	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	264.252(b)	335.152(a)(10)	×			



				STATE	ANALOG IS	£
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
RESPONSE ACTIONS			nggangsansus-Normannon			
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)	335.152(a)(10)	X			
responsibilities if flow rate into leak system exceeds the action leakage rate for any sump:	264.253(b)	335.152(a)(10)	X			
notify Regional Administrator in writing within seven days of determination	264.253(b)(1)	335.152(a)(10)	×			
preliminary assessment to Regional Administrator within 14 days of determination; what assessment must address	264.253(b)(2)	335.152(a)(10)	×			
determine location, size and cause of any leak	264.253(b)(3)	335.152(a)(10)	X			
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)	335.152(a)(10)	×			
determine short- and longer- term actions to mitigate or stop any leaks	264.253(b)(5)	335.152(a)(10)	X			



				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)	335.152(a)(10)	×			
how the 264.253(b)(3), (4), & (5) determinations must be made	264.253(c)	335.152(a)(10)	×			
assess the source of liquids and amounts by source	264.253(c)(1)(i)	335.152(a)(10)	X_			
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)	335.152(a)(10)	X			
assess seriousness of leaks	264.253(c)(1)(iii)	335.152(a)(10)	X			
document why assessments not needed	264.253(c)(2)	335.152(a)(10)	<u> </u> x			

				STATE	ANALOG IS	
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
MONITORING AND INSPECTI	ON			***************************************		guerounas activos anticas interactivos activos
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)	335.152(a)(10)	×			
poriod	SUBPART N - L		<u> </u>	<u> Latiniani minimi mini</u>	<u></u>	<u> </u>
DESIGN AND OPERATING RE						erganisation control to the control
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)	335.173(c)	X			
the liner system must include:	264.301(c)(1)(i)	335.173(c)	X			
top liner designed and constructed to prevent migration of hazardous constituents into liner for specified period	264.301(c)(1)(i)(A)	335.173(c)	×			

		•		STATE ANALOG IS:			
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER 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)	335.173(c)	X				
liners must comply with 264.301(a)(1)(i)-(iii)	264.301(c)(1)(ii)	335.173(c)	X				
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)	335.173(c)	X				
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)	335.173(c)	X				

				STATE A	ATE ANALOG IS:		
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE	
bottom slope of 1 percent or more	264.301(c)(3)(i)	335.173(c)	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)	335.173(c)	X				
construction material specifications	264.301(c)(3)(iii)	335.173(c)	X				
designed/operated to minimize clogging during active life and post-closure care period	264.301(c)(3)(iv)	335.173(c)	×				
specifications for sumps and liquid removal methods	264.301(c)(3)(v)	335.173(c)	x_				
collect and remove pumpable liquids in leak detection system sumps to minimize head on the bottom liner	264.301(c)(4)	335.173(c)	×				
what must be demonstrated if leak detection system not located completely above seasonal high water table	264.301(c)(5)	335.173(c)	X				

				STATE	ANALOG 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)	335.173(d)	×			
prevent hazardous constituent migration into ground or surface water as effectively as system specified in 264.301(c), and	264.301(d)(1)	335.173(d)(1)	×	managa populari projecti proje		
allow detection of hazardous constituent leaks through top liner at least as effectively	264.301(d)(2)	335.173(d)(2)	×			
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)	335.173(f)	×			
meets RCRA 3004(o)(1)(A)(i) and (o)(5) design standards	264.301(f)(1)	335.173(f)(1)	X			
no reason to believe liner is not functioning as designed	264.301(f)(2)	335.173(f)(2)	X			
old 264.301(f)-(k) become new 264.301(g)-(l)	264.301(g)-(l)	335.173(g)-(k)	X			

					STATE A	ANALOG IS:		
	FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE	
	ACTION LEAKAGE RATE						1	
6	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)	335.152(a)(12)	×				
	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) ON	335.152(a)(12)	X				
	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)	335.152(a)(12)	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	264.303(c)(2)	335.152(a)(12)	X				
	definition of "pump operating level"	264.303(c)(3)	335.152(a)(12)	x				

				STATE A	NALOG IS	
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
RESPONSE ACTIONS					ya	***************************************
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)	335.152(a)(12)	x			
responsibilities if flow rate into leak detection system exceeds the section leakage rate for any sump	264.304(b)	335.152(a)(12)	×			
notify Regional Administrator in writing within seven days of determination	264.304(b)(1)	335.152(a)(12)	X			
preliminary assessment to Regional Administrator within 14 days of determination; what assessment must address	264.304(b)(2)	335.152(a)(12)	×			
determine location, size and cause of any leak	264.304(b)(3)	335.152(a)(12)	<u> </u> x			
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)	335.152(a)(12)	X			
determine short- and longer- term actions to mitigate or stop any leaks	264.304(b)(5)	335.152(a)(12)	X			

				STATE A	ANALOG IS	getonacida sweenen saatu maani maani
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)	335.152(a)(12)	X			
how the 264.304(b)(3)-(5) determinations must be made	264.304(c)	335.152(a)(12)	X			
assess the source of liquids and amounts by source	264.304(c)(1)(i)	335.152(a)(12)	х			
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	264.304(c)(1)(ii)	335.152(a)(12)	X			
assess seriousness of leaks	264.304(c)(1)(iii)	335.152(a)(12)	X			
document why assessments not needed	264.304(c)(2)	335.152(a)(12)	X			

				:		
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
CLOSURE AND POST-CLOSU	RE CARE			T	T	
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)	335.174(b)(3)	X			
old 264.310(b)(3)-(5) become 264.310(b)(4)-(6)	264.310(b)(4)-(6)	335.174(b)(4) -(6)	X			
PART 265 - INTERIM	STATUS STANDARD	S FOR OWNERS A	ND OP OSAL I	ERATO	RS OF	

SUBPART B - GENERAL FACILITY STANDARDS GENERAL INSPECTION REQUIREMENTS insert "265.260, 265.278, 265.304" 265.15(b)(4) 335.112(a)(1) X CONSTRUCTION QUALITY ASSURANCE PROGRAM 1 CQA program 265.19(a) 335.112(a)(1) X

				STATE	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, waste pile and landfill units that must comply with 265.221(a), 265.254 and 265.301(a); 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 professional						
engineer	265.19(a)(1)	335.112(a)(1)	X			
	265.19(a)(2)	335.112(a)(1)	X			-
	265.19(a)(2)(i)	335.112(a)(1)	<u> </u>			
	265.19(a)(2)(ii)	335.112(a)(1)	x			
	265.19(a)(2)(iii)	335.112(a)(1)	X			
·	265.19(a)(2)(iv)	335.112(a)(1)	X			
the physical components the CQA program must	265.19(a)(2)(v)	335.112(a)(1)	X			
address	265.19(a)(2)(vi)	335.112(a)(1)	X			
before construction begins, owner/operator must develop a written CQA plan; identify steps that will be used to monitor and document the quality of materials and condition and manner of their installation; the CQA plan must include:	265.19(b)	335.112(a)(1)	×			

				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)	335.112(a)(1)	X			
identification of key CQA plan development and implementation personnel; CQA officer qualifications	265.19(b)(2)	335.112(a)(1)	X			
inspection and sampling activities' description; what must be described	265.19(b)(3)	335.112(a)(1)	×			
contents of program	265.19(c)	335.112(a)(1)	×			
must include observations, inspections, tests, and measurements sufficient to ensure:	265.19(c)(1)	335.112(a)(1)	×			
structural stability and integrity of 265.19(a)(2) units	265.19(c)(1)(i)	335.112(a)(1)	×			
proper construction according to permit specifications and good engineering practices, and proper installation according to design specifications	265.19(c)(1)(ii)	335.112(a)(1)	X			
material conformity with design and other material specifications under 264.221, 264.251, and 264.301	265.19(c)(1)(iii)	335.112(a)(1)	X			

California de la Alexandra de La California de California				STATE A	ANALOG 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	265.19(c)(2)	335.112(a)(1)	×			
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)	335.112(a)(1)	X	D	Reserved to the second	

				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	D REPO	ORTING	<u> </u>	
OPERATING RECORD						T
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	265.73(b)(6)	335.112(a)(4)	×			
"265.280(d)(1)"	UBPART K - SURFAC		<u> </u>	.1	.1	
		L IVIII OOIADINIETA O				
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)	335.112(a)(10)	X			
revise paragraph; when a replacement surface impoundment unit is exempt from 265.221(a):	265.221(c)	335.112(a)(10)	×			
constructed in compliance with RCRA 3004(o)(1)(A)(i) and (o)(5) design standards	265.221(c)(1)	335.112(a)(10)	X			

				STATE	ANALOG IS	:
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
no reason to believe liner is not functioning as designed	265.221(c)(2)	335.112(a)(10)	×			
redesignate old paragraph 265.222(a) as 265.221(f)	265.221(f)	335.112(a)(10)	×	NATION OF THE PROPERTY OF THE	PROFESSIONAL PROFE	overiment and the state of the
redesignate old paragraph 265.222(b) as 265.221(g)	265.221(g)	335.112(a)(10)	×			
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)	335.112(a)(10)	X			
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)	335.112(a)(10)	×			

				STATE	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)	335.112(a)(10)	×			
RESPONSE ACTIONS					1	Hayros marchasal marchasan ann an an
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)	335.112(a)(10)	X			
responsibilities if flow rate into leak detection system exceeds the action leakage rate for any sump:	265.223(b)	335.112(a)(10)	×			
notify Regional Administrator in writing within seven days of determination	265.223(b)(1)	335.112(a)(10)	×		Maria de la companio del companio de la companio del companio de la companio del la companio de	
preliminary assessment to Regional Administrator within 14 days of determination; what assessment must address	265.223(b)(2)	335.112(a)(10)	×			

				STATE	NALOG 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)	335.112(a)(10)	×			TO SECURE AND THE SEC
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)	335.112(a)(10)	X			
determine short- and longer- term actions to mitigate or stop any leaks	265.223(b)(5)	335.112(a)(10)	×		A THE TAXABLE PROPERTY OF TAXABLE PROP	
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 results of remedial actions taken and actions planned	265.223(b)(6)	335.112(a)(10)	X			
how the 265.223(b)(3), (4) & (5) determinations must be made	265.223(c)	335.112(a)(10)	×			
assess the source of liquids and amounts by source	265.223(c)(1)(i)	335.112(a)(10)	×			
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)	335.112(a)(10)	X			

			Ī			
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
assess seriousness of leaks	265.223(c)(1)(iii)	335.112(a)(10)	X			
document why assessments not needed	265.223(c)(2)	335.112(a)(10)	X		The state of the s	
MONITORING AND INSPECTI	ON					
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)	335.112(a)(10)	X			
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)	335.112(a)(10)	X			
"pump operating level" defined	265.226(b)(3)	335.112(a)(10)	×			

FEDERAL REQUIREMENTS FEDERAL REQUIREMENTS FEDERAL REQUIREMENTS CITATION AMALOGOUS STATE CITATION ALENT GENT STRIN GENT STRIN SCOPE CLOSURE AND POST-CLOSURE CARE Fedesignate 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) becomes new 265.228(b)(3) 265.228(b)(3) 335.112(a)(10) X Fedesignated 265.228(b)(3) becomes new 265.228(b)(4) 265.228(b)(4) 335.112(a)(10) X SUBPART L - WASTE PILES DESIGN AND OPERATING REQUIREMENTS 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					STATE	ANALOG IS	
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) 335.112(a)(10) X redesignated 265.228(b)(2) becomes new 265.228(b)(3) 265.228(b)(3) 335.112(a)(10) X redesignated 265.228(b)(3) becomes new 265.228(b)(4) 335.112(a)(10) X SUBPART L - WASTE PILES DESIGN AND OPERATING REQUIREMENTS 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	FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION			STRIN-	STRIN	BROADER IN SCOPE
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) 265.228(b)(3) 265.228(b)(3) 265.228(b)(3) 265.228(b)(3) 265.228(b)(4) 335.112(a)(10) X SUBPART L - WASTE PILES DESIGN AND OPERATING REQUIREMENTS 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	CLOSURE AND POST-CLOSU	RE CARE					
becomes new 265.228(b)(3) 265.228(b)(3) 335.112(a)(10) X redesignated 265.228(b)(3) becomes new 265.228(b)(4) 265.228(b)(4) 335.112(a)(10) X SUBPART L - WASTE PILES DESIGN AND OPERATING REQUIREMENTS 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"	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	265.228(b)(2)	335.112(a)(10)	×			
redesignated 265.228(b)(3) becomes new 265.228(b)(4) SUBPART L - WASTE PILES DESIGN AND OPERATING REQUIREMENTS 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"	redesignated 265.228(b)(2) becomes new						
DESIGN AND OPERATING REQUIREMENTS 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	becomes new			X			
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		SUBPART L - W	ASTE PILES	***************************************	CONTRACTOR		
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"	DESIGN AND OPERATING RE	QUIREMENTS					
commences" defined under 265.254 335.112(a)(11) X	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	265.254	335.112(a)(11)	×			

				STATE A	NALOG IS	
. FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
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)	335.112(a)(11)	×			
Regional Administrator approval of action leakage rate for 265.254 units; definition of action leakage rate; adequate safety margin	265.255(b)	335.112(a)(11)	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	265.255(c)	335.112(a)(11)	×			

	adiciana da tambén de la soprió de los cadas la hora por acido con actividades de la constitución de la cons			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						yerna mananina maisani mami
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)	335.112(a)(11)	×			
responsibilities if flow rate into leak detection system exceeds the action leakage rate for any sump:	265.259(b)	335.112(a)(11)	X			
notify Regional Administrator in writing within seven days of determination	265.259(b)(1)	335.112(a)(11)	×			
preliminary assessment to Regional Administrator within 14 days of determination; what assessment must address	265.259(b)(2)	335.112(a)(11)	×			
determine location, size and cause of any leak	265.259(b)(3)	335.112(a)(11)	×			
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)	335.112(a)(11)	X			
determine short- and longer- term actions to mitigate or stop any leaks	265.259(b)(5)	335.112(a)(11)	l x			

				STATE A	ANALOG 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 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)	335.112(a)(11)	X			
how the 265.259(b)(3),(4) & (5) determinations must be made:	265.259(c)	335.112(a)(11)	×		and the second s	
assess the source of liquids and amounts by source	265.259(c)(1)(i)	335.112(a)(11)	X			
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)	335.112(a)(11)	X			
assess seriousness of leaks	265.259(c)(1)(iii)	335.112(a)(11)	X			
document why assessments not needed	265.259(c)(2)	335.112(a)(11)	×	presences respective and control and contr	NEW COLUMN TO THE COLUMN TO TH	Name of the current o

				STATE		
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
MONITORING AND INSPECTI	NC					
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	335.112(a)(11)	X			
GROUP ASSESSMENT AND ASSESSMENT AND ASSESSMENT AND ASSESSMENT ASSE	SUBPART N	LANDFILLS				
DESIGN AND OPERATING RE	QUIREMENTS					
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) or (f); "construction commences" defined under "existing facility"	265.301(a)	335.112(a)(13)	×			
revise paragraph; when a landfill owner/operator is exempt from 265.301(a)	265.301(c)	335.112(a)(13)	×			
meets RCRA 3004(o)(1)(A)(i) and (o)(5) design standards	265.301(c)(1)	335.112(a)(13)	X			
no reason to believe liner is not functioning as designed	265.301(c)(2)	335.112(a)(13)	x		The state of the s	
redesignated 265.302(a), (b), (c) & (d) became new 265.301(f), (g), (h) and (i)	265.301(f)-(i)	335.124(a)-(d)			X	

ACTION LEAKAGE RATE

			STATE ANALOG IS:				
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE	
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)	335.112(a)(13)	×				
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)	335.112(a)(13)	x				
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)	335.112(a)(13)	×				
old 265.302(d) becomes 265.301(i)	265.302(d)	335.112(a)(13)	×	TOO OO	NAMES OF THE PROPERTY OF THE P	Barries and American	

				:		
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 265.301(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)	335.112(a)(13)	×			
responsibilities if flow rate into leak detection system exceeds the action leakage rate for any sump:	265.303(b)	335.112(a)(13)	X			
notify Regional Administrator in writing within seven days of determination	265.303(b)(1)	335.112(a)(13)	×			
preliminary assessment to Regional Administrator within 14 days of determination; what assessment must address	265.303(b)(2)	335.112(a)(13)	×			
determine location, size and cause of any leak	265.303(b)(3)	335.112(a)(13)	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	265.303(b)(4)	335.112(a)(13)	X			

				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	265.303(b)(5)	335.112(a)(13)	X			
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)	335.112(a)(13)	x			
how the 265.303(b)(3), (4) & (5) determinations must be made:	265.303(c)	335.112(a)(13)	X			
assess the source of liquids and amounts by source	265.303(c)(1)(i)	335.112(a)(13)	x			
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)	335.112(a)(13)	X			
assess seriousness of leaks	265.303(c)(1)(iii)	335.112(a)(13)	x			
document why assessments not needed	265.303(c)(2)	335.112(a)(13)	X			No. opening and a second and a

MONITORING AND INSPECTION

				STATE ANALOG IS:		
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
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)	335.112(a)(13)	x			
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)	335.112(a)(13)	X			
definition of "pump operating level"	265.304(c)	335.112(a)(13)	X		BEODEWARDS REASON FOR STANSARD	
CLOSURE AND POST-CLOSU	RE CARE		·	T	т	
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 requirements	265.310(b)(2)	335.112(a)(13)	x			
redesignated 265.310(b)(2), (3) & (4) become 265.310(b)(3), (4) & (5)	265.310(b)(3)-(5)	335.112(a)(13)	×			

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

SUBPART A - GENERAL INFORMATION

				STATE ANALOG IS:			
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE	
EFFECT OF A PERMIT			ma ^{di} anterintanessa massa m	aguerranian anno anno anno anno anno anno anno	gaston and a second		
paragraph is reorganized so that requirements not included in a permit are	270.4(a)	305.122(a)	×		SECRETARION DE L'ACCIONNE SE	analysis a marana a chaochadh an	
subparagraphs (a)(1)&(2); add a third subparagraph addressing Part 264 requirements regarding leak	270.4(a)(1)	305.122(a)(1)	×		-		
detection systems for new and replacement surface impoundments, waste piles, landfills and lateral	270.4(a)(2)	305.122(a)(2)	×				
expansion of such units; what the leak detection system requirements include	270.4(a)(3)	305.122(a)(3)	×				

				STATE	ANALOG IS	
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
	SUBPART B - PERMI	T APPLICATION		o-munit//mid-to-p	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
SPECIFIC PART B INFORMAT	ION REQUIREMENTS F	OR SURFACE IMPO	DUNDN	MENTS	_	
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)	305.50(4)(A)	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)	305.50(4)(A)	X			
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)	305.50(4)(A)	X			
construction quality assurance plan, if required	270.17(b)(4)	305.50(4)(A)	l x			

			STATE	ANALOG IS	
FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
270.17(b)(5)	305.50(4)(A)	×			
270.17(b)(6)&(7)	305.50(4)(A)	X			
270.17(c)	305.50(4)(A)	X			
			<u></u>		
ION REQUIREMENTS					
	270.17(b)(5) 270.17(b)(6)&(7) 270.17(c)	270.17(b)(5) 305.50(4)(A) 270.17(b)(6)&(7) 305.50(4)(A) 270.17(c) 305.50(4)(A) ION REQUIREMENTS FOR WASTE PILES	270.17(b)(5) 305.50(4)(A) X 270.17(b)(6)&(7) 305.50(4)(A) X 270.17(c) 305.50(4)(A) X ION REQUIREMENTS FOR WASTE PILES	ANALOGOUS STATE EQUIVALENT 270.17(b)(5) 305.50(4)(A) 270.17(b)(6)&(7) 305.50(4)(A) X 270.17(c) 305.50(4)(A) X ION REQUIREMENTS FOR WASTE PILES	### ANALOGOUS STATE CITATION STRINGENT 270.17(b)(5) 305.50(4)(A) X 270.17(b)(6)&(7) 305.50(4)(A) X 270.17(c) 305.50(4)(A) X ION REQUIREMENTS FOR WASTE PILES

			STATE ANALOG IS:			
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)	305.50(4)(A)	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)	305.50(4)(A)	X			
information required if leak detection system is located in a saturated zone	270.18(c)(1)(iii)	305.50(4)(A)	×			
construction quality assurance plan if required	270.18(c)(1)(iv)	305.50(4)(A)	X			
proposed action leakage rate with rationale and response action plan if required	270.18(c)(1)(v)	305.50(4)(A)	X			

		egalaja kandra kand	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)	305.50(4)(A)	×			
SPECIFIC PART B INFORMAT	ON REQUIREMENTS	OR LANDFILLS		T	T	
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)	305.50(4)(A)	X			
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)	305.50(4)(A)	<u> </u>			

FEDERAL REQUIREMENTS		·	STATE ANALOG IS:				
	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)	305.50(4)(A)	X		t		
information required if leak detection system located in a saturation zone	270.21(b)(1)(iii)	305.50(4)(A)	×				
construction quality assurance plan if required	270.21(b)(1)(iv)	305.50(4)(A)	X				
proposed action leakage rate, with rationale and response action plan if required	270.21(b)(1)(v)	305.50(4)(A)	×	na de como de	Attendance and the state of the		
remove "liner and" and insert "double liner system, leachate collection and removal 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)	305.50(4)(A)	<u> </u>				

^			STATE ANALOG IS:			
FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN GENT	BROADER IN SCOPE
	SUBPART D - CHAN	GES TO PERMIT				
PERMIT MODIFICATION AT T	HE REQUEST OF THE	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	305.69(i), B, H, J	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.
- 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."
- Note that there are two technical errors in the <u>Federal Register</u>; "1x10/-1/cm/sec" should be "1x10-1 cm/sec" and 3x10/-4/m²/sec" should be 3x10-4 m²/sec."
- 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."
- Note that in the <u>Federal Register</u> this section is incorrectly designated as 270.21(c).