

US EPA ARCHIVE DOCUMENT

RCRA REVISION CHECKLIST 23

Standards for Hazardous Waste Storage and Treatment Tank Systems
 51 FR 25470-25486
 July 14, 1986

FEDERAL REQUIREMENT	RCRA CITE	STATE AUTHORITY		IF DIFFERENT FROM FEDERAL REQUIREMENT, EXPLAIN
		STATUTE	REGULATION	

PART 260 - HAZARDOUS WASTE MANAGEMENT SYSTEM: GENERAL

DEFINITIONS

FEDERAL REQUIREMENT	RCRA CITE	STATE AUTHORITY	IF DIFFERENT FROM FEDERAL REQUIREMENT, EXPLAIN
1 "aboveground tank"	260.10	Same RCRA Cite HWMR 5 Part I	
1 "ancillary equipment"	260.10	"	
1 "component"	260.10	"	
1 "corrosion expert"	260.10	"	
1 "existing tank system" or "existing component"	260.10	"	
1 "inground tank"	260.10	"	
1 "installation inspector"	260.10	"	
1 "leak detection system"	260.10	"	
1 "new tank system"	260.10	"	
1 "onground tank"	260.10	"	
1 "sump"	260.10	"	
1 "tank system"	260.10	"	
1 "underground tank"	260.10	"	
1 "unfit-for-use tank system"	260.10	"	
1 "zone of engineering control"	260.10	"	

- 1 These regulations implement HSWA to the extent that they apply to tank systems owned or operated by small quantity generators. establish leak detection requirements for all new underground tank systems, and establish permit standards for underground tank systems that cannot be entered for inspection. It is recommended that States seek program modification for the rules promulgated under both RCRA authority and HSWA authority by the deadline for non-HSWA Cluster III (7/1/88).

RCRA REVISION CHECKLIST: Storage and Treatment Tank Systems (con't)

FEDERAL REQUIREMENT	RCRA CITE	STATE AUTHORITY		If DIFFERENT FROM FEDERAL REQUIREMENT, EXPLAIN
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PART 261 - IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

† EXCLUSIONS

Secondary materials re-claimed or returned to process	261.4(a)(8)	Same RCRA Cite HWMR 5 Part II	
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PART 262 - STANDARDS APPLICABLE TO GENERATORS OF HAZARDOUS WASTE

ACCUMULATION TIME

1 Accumulation on-site	262.34(a)(1)	Same RCRA Cite HWMR 5 Part III	
1 Compliance with Subpart I of 265	262.34(d)(2)	"	
1 Compliance with Subpart J of 265	262.34(d)(3)	"	

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

GENERAL INSPECTION REQUIREMENTS

Frequency of inspection	264.15(b)(4)	Same RCRA Cite HWMR 5 Part V	
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OPERATING RECORD

Data requirements	264.73(b)(6)	"	
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APPLICABILITY

1 Closure & Post-closure compliance w/264.197	264.110(b)(3)	"	
1 Financ. responsibility compliance w/264.197	264.140(b)(3)	"	

SUBPART J - TANK SYSTEMS

1 Applicability tank systems used for storing or treating h.w.	264.190	"	
1 Exemptions from secondary containment requirements	264.190(a)&(b)	"	

ASSESSMENT OF EXISTING TANK SYSTEM'S INTEGRITY

1 Written assessment requirement	264.191(a)	"	
1 Minimum assessment considerations	264.191(b)	"	

* See technical corrections of August 15, 1986 (51 FR 29430).

FEDERAL REQUIREMENT	RCRA CITE	STATE AUTHORITY		IF DIFFERENT FROM FEDERAL REQUIREMENT, EXPLAIN
		STATUTE	REGULATION	
ASSESSMENT OF EXISTING TANK SYSTEM'S INTEGRITY (con't)				
1 12 mos. deadline if materials become h.w. after 7/14/86	264.191(c)	Same RCRA Cite HWMR 5 Part V		
1 Tank systems found to be leaking or unfit for use	264.191(d)	"		
DESIGN AND INSTALLATION OF NEW TANK SYSTEMS OR COMPONENTS				
* 1 Info. to be included in written assessments for new tanks	264.192(a)	"		
* 1 New tank installation procedures; inspection requirements	264.192(b)	"		
1 Backfilling requirements for new underground tank systems	264.192(c)	"		
1 Tightness requirement	264.192(d)	"		
1 Protection of ancillary equipment	264.192(e)	"		
1 Corrosion protection requirements	264.192(f)	"		
1 Written statements and certification statements	264.192(g)	"		
CONTAINMENT AND DETECTION OF RELEASES				
* 1 Schedule for providing secondary containment for tank systems	264.193(a)	"		
1 Min. requirements for secondary systems	264.193(b)	"		
1 Min. spec. of secondary containment	264.193(c)	"		
1 Devices that satisfy the secondary containment requirements	264.193(d)	"		
* 1 Additional requirements for liner and vault systems, and double-walled tanks	264.193(e)	"		
* 1 Ancillary equipment must be provided with full secondary containment	264.193(f)	"		
1 Exceptions at 264.193(f)	264.193(f) (1) - (4)	"		
1 Variance requirements	264.193(g)	"		
† Requirements for addressing releases from tank systems that have obtained variances	264.193(g) (3) and (4)	"		

RCRA REVISION CHECKLIST: Storage and Treatment Tank Systems (con't)

FEDERAL REQUIREMENT	RCRA CITE	STATE AUTHORITY		IF DIFFERENT FROM FEDERAL REQUIREMENTS, EXPLAIN
		STATUTE	REGULATION	
CONTAINMENT AND DETECTION OF RELEASES (con't)				
1 Procedures for requesting a variance	264.193(h)	Same RCRA Cite HWMR 5 Part V		
1 Requirements for all tank systems until such time as secondary containment is provided	264.193(i)	"		
GENERAL OPERATING REQUIREMENTS				
1 H.W. or treatment reagents not to be placed in tank systems	264.194(a)	"		
1 Min. controls and practices to prevent spills and overflows	264.194(b)	"		
1 Requirements if a leak or spill occurs in the tank system	264.194(c)	"		
INSPECTIONS				
1 Schedules & procedure for inspecting overfill controls	264.195(a)	"		
1 Daily inspection requirements	264.195(b)	"		
1 Minimum inspection frequency for cathodic protection systems	264.195(c)	"		
1 Documentation in operating record	264.195(d)	"		
RESPONSE TO LEAKS OR SPILLS AND DISPOSITION OF LEAKING OR UNFIT - FOR - USE TANK SYSTEMS				
1 Immediate removal (from service) of leaking or unfit-for-use tank systems	264.196	"		
1 Prevent flows of additional wastes	264.196(a)	"		
1 Removal of waste from tank system or secondary containment system	264.196(b)	"		
1 Containment of visible releases to the environment	264.196(c)	"		
1 Notifications/reports	264.196(d)	"		
1 Prov. of sec. containment, repair, or closure	264.196(e)	"		
1 Certification closure requirements	264.196(f)	"		

RCRA 1.1 ON CHECKLIST: Storage and Treatment Systems (con't)

FEDERAL REQUIREMENT	RCRA CITE	STATE AUTHORITY		IF DIFFERENT FROM FEDERAL REQUIREMENT, EXPLAIN
		STATUTE	REGULATION	
CLOSURE AND POST-CLOSURE CARE				
1 General closure requirements	264.197(a)	Same RCRA Cite HWMR 5 Part V		
1 Specific requirements when contaminated soils cannot practicably be removed or decontaminated; closure as a landfill	264.197(b)	"		
* 1 Closure plans and financial responsibility requirements for tank systems w/o secondary containment that fall under §264.193(b)-(f) and are not exempt from secondary containments requirements	264.197(c)	"		
SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTES				
1 Ltd. placement of I or R wastes in tank systems	264.198(a)	"		
1 Compliance w/maintenance of protective distances	264.198(b)	"		
SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES				
1 Ltd. placement of incom. wastes in tank systems	264.199(a)	"		
1 Use of tank system that previously held incom. wastes	264.199(b)	"		
PART 265 - INTERIM STANDARDS FOR OWNERS AND OPERATORS				
GENERAL WASTE ANALYSIS				
1 Methods for additional waste analysis	265.13(b)(6)	Same RCRA Cite HWMR 5 Part VI		
GENERAL INSPECTION REQUIREMENTS				
1 Inspection frequency	265.15(b)(4)	"		
OPERATING RECORD				
1 Records & results of analysis & trial tests	265.73(b)(3)	"		
1 Monitoring, testing, of analytical data	265.73(b)(6)	"		

RCRA REVISION CHECKLIST: Storage and Treatment Tank Systems (con't)

FEDERAL REQUIREMENT	RCRA CITE	STATE AUTHORITY		IF DIFFERENT FROM FEDERAL REQUIREMENT, EXPLAIN
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APPLICABILITY

1 Tank systems which must comply w/landfill requirements	265.110(b)(2)	Same RCRA Cite HWMR 5 Part VI	
Financial responsibility requirements	265.140(b)	"	

SUBPART J - TANK SYSTEMS

APPLICABILITY

1 Tanks systems used for storing & treating h.w	265.190	"	
† Exemptions from secondary containment requirements	265.190(a)&(b)	"	

ASSESSMENT OF EXISTING TANK SYSTEMS OR COMPONENTS

1 Written assessment requirement	265.191(a)	"	
1 Min. assessment considerations	265.191(b)	"	
1 12 mos. deadline for materials which become h.w. after 7/14/86	265.191(c)	"	
1 Tank systems found to be leaking or unfit for use	265.191(d)	"	

DESIGN AND INSTALLATION OF NEW TANK SYSTEMS OR COMPONENTS

1 Info. to be included in the written assessment for new underground tank	265.192(a)	"	
1 New tank installation procedures; inspection requirements	265.192(b)	"	
1 Backfilling requirements for new underground tank systems	265.192(c)	"	
1 Tightness requirements	265.192(d)	"	
1 Protection of ancillary equipment	265.192(e)	"	
1 Corrosion protection requirements	265.192(f)	"	
1 Written statements and certification statements	265.192(g)	"	

RCRA REVISION CHECKLIST: Storage and Treatment Tank Systems (con't)

FEDERAL REQUIREMENT	RCRA CITE	STATE AUTHORITY		IF DIFFERENT FROM FEDERAL REQUIREMENT, EXPLAIN
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CONTAINMENT AND DETECTION OF RELEASES				
1 Applicability of secondary containment requirements	265.193(a)	Same RCRA Cite HWMR 5 Part VI		
1 Minimum requirements for secondary containment systems	265.193(b)	"		
1 Minimum specifications of secondary containment	265.193(c)	"		
1 Devices that secondary containment for tanks must include	265.193(d)	"		
1 Additional requirements for liner and vault systems, and doubled walled tanks	265.193(e)	"		
1 Ancillary equipment must be provided with full secondary containment	265.193(f)	"		
1† Exception to 265.193(f)	265.193(f)(1)-(4)	"		
*1 † Variance requirements	265.193(g)	"		
1 † Procedures for requesting a variance	265.193(h)	"		
*1 Requirements for all tanks systems until such time as secondary containment is provided	265.193(i)	"		
GENERAL OPERATING REQUIREMENTS				
1 H.W. or treatment reagents not to be placed in tank system	265.194(a)	"		
1 Minimum controls and practices to prevent spills and overflows	265.194(b)	"		
1 Requirements if a leak or spill occurs in the tank system	265.194(c)	"		
INSPECTIONS				
1 Daily inspection requirements	265.195(a)	"		
1 Minimum inspection frequency for cathodic protection system	265.195(b)	"		

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FEDERAL REQUIREMENT	RCRA CITE	STATE AUTHORITY		IF DIFFERENT FROM FEDERAL REQUIREMENT, EXPLAIN
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INSPECTIONS (con't)

Documentation in operating record	265.195(c)	Same RCRA Cite HWMR 5 Part VI	
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RESPONSE TO LEAKS OR SPILLS AND DISPOSITION OF LEAKING OR UNFIT-FOR-USE TANK SYSTEMS

1 Immediate removal (from service) leaking or unfit-for-use tank systems	265.196	"	
1 Prevent flow of additional wastes	265.196(a)	"	
1 Removal of waste from tank system or secondary containment system	265.196(b)	"	
1 Containment of visible releases to the environment	265.196(c)	"	
1 Notifications/reports	265.196(d)	"	
1 Provision of secondary containment, repair, or closure	265.196(e)	"	
1 Certification of major repairs	265.196(f)	"	

CLOSURE AND POST-CLOSURE CARE

General closure requirements	265.197(a)	"	
Specific requirements when contaminated soils cannot practicably be removed or decontaminated; closure as a landfill	265.197(b)	"	
1 Requirements for tank systems without secondary containment that fall under §265.193(b)-(f) and are not exempt from secondary containment requirements	265.197(c)	"	

SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTES

1 Limited placement of I or R wastes in tank systems	265.198(a)	"	
1 Compliance w/maintenance of protective distance	265.198(b)	"	

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FEDERAL REQUIREMENT	RCRA CITE	STATE AUTHORITY		IF DIFFERENT FROM FEDERAL REQUIREMENT, EXPLAIN
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SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES

1 Limited placement of incompatible wastes in tank systems	265.199(a)	Same RCRA Cite HWMR 5 Part VI	
1 Use of tank system that previously held incompatible wastes	265.199(b)	"	

WASTE ANALYSIS AND TRIAL TESTS

1 Waste analysis and treatment or storage tests	265.200(a)	"	
1 Obtain written, documented information on similar waste/operating conditions	265.200(b)	"	

SPECIAL REQUIREMENTS FOR GENERATORS OF BETWEEN 100 AND 1000 KG/MO THAT ACCUMULATE HAZARDOUS WASTE IN TANKS

1 General applicability requirements	265.201(a)	"	
1 General operating requirements for generators of between 100 and 1000 kg/mo of h.w.	265.201(b)	"	
Inspection requirements	265.201(c)	"	
Closures requirements	265.201(d)	"	
Special requirements for I or R wastes	265.201(e)	"	
Special requirements for incompatible wastes	265.201(f)	"	

PART 270 - PERMITTING REQUIREMENTS

CONTENTS OF PART B: GENERAL REQUIREMENTS

1 General inspection schedule	270.14(b)(5)	Same RCRA Cite HWMR 5 Part IX	
1 Copies of closure and post-closure plans	270.14(b)(13)	"	

SPECIFIC PART B INFORMATION REQUIREMENTS FOR TANK SYSTEMS

* 1 Written certified assessment of each tank system	270.16(a)	"	
1 Dimensions and capacity of each tank	270.16(b)	"	

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FIC PART B INFORMATION REQUIREMENTS FOR TANK SYSTEMS (con't)

Location of feed lines, safety cutoff systems, and pressure controls	270.16(c)	Same RCRA Cite HWMR 5 Part IX		
Diagram of piping, instrumentation, and process flow for each tank	270.16(d)	"		
Description of external corrosion protection	270.16(e)	"		
Description of new tank installation	270.16(f)	"		
Plans and description of secondary containment systems	270.16(g)	"		
Performance requirements for systems for which a variance will be sought	270.16(h)	"		
Description of controls and practices to prevent spills and overflows	270.16(i)	"		
Description of design and operating for tank systems handling ignitable, reactive, or incompatible wastes	270.16(j)	"		
CHANGES DURING INTERIM STATUS				
Changes made solely to comply with §265.193 not included under this section	270.72(e)	"		