Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF) Toolkit

A User-Friendly Reference Document for RCRA Subtitle C Permit Writers and Permittees

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Introduction

This "TSDF Toolkit" serves as a user-friendly reference to assist permit writers and permittees in locating and understanding the Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF) Regulations promulgated under the Resource Conservation and Recovery Act (RCRA).

These requirements are primarily located in <u>Title 40</u> <u>Code of Federal Regulations</u> (CFR) <u>Part 264</u> for permitted facilities and <u>Part 265</u> for interim status facilities. The requirements as laid out in this reference document are organized by the type of hazardous waste management activity, which encompasses hazardous waste treatment, storage, and disposal in specific units (containers, incinerators, landfills, land treatment, surface impoundments, tank systems, and waste piles).

Note: This web-based document is not a substitute for the CFR itself, the requirements in the CFR, or State requirements (that may be different from those reflected herein). This document references existing policy documents. Additionally, this reference document presents only the federal requirements for TSDFs. Most states are authorized to implement their hazardous waste program.

Therefore, states may have their own set of regulations that apply in lieu of federal regulations, and while most state TSDF regulations are based on the federal requirements, some states have developed regulations more stringent than the federal program. Go to the <u>state permitting</u> <u>websites</u> to access state regulatory programs.

The objective of this document is to consolidate the references for TSDF regulatory requirements into a helpful reference tool including links to references and guidance documents that EPA has provided to the public to help owners, operators, and state and federal regulatory officials interpret the existing TSDF regulations. This document does not change any of the existing TSDF regulatory requirements.

How to Use This Tool

This document is navigable in several ways. First, permit writers and permittees can use the <u>"Summary Chart of Permitting Regulations"</u> to link directly to the regulatory citation of interest.

Secondly, permit writers and permittees can take advantage of the Table of Contents or the bookmarks to

Note: The Primary RCRA Permitting references are included, but EPA has not captured every relevant document. Also, the documents included in this tool have already been issued and are in the public domain, but they might not be the most current version.

navigate through the body of the document. The Table of Contents and bookmarks include resources for management at hazardous waste units (i.e., containers, tank systems, drip pads, surface impoundments, waste piles, land treatment, landfills, containment buildings, and incinerators). In, addition, some resources will be applicable to all categories of TSDFs. Readers can use the Table of Contents and bookmarks to navigate by left-clicking the mouse on the link of interest to move within the document.

To help readers better understand specific requirements, we also have provided, where applicable, links to resources including training materials, letters, and memoranda issued by EPA, as well as guidance documents developed by EPA that provide further clarification of the TSDF regulations and permitting process.

Please email RCRAPOST@epa.gov within EPA's Office of Resource Conservation and Recovery (ORCR) with any questions, comments, or to report any broken links.

Overview of the Hazardous Waste RCRA Permitting Processes (Flowcharts)

The following RCRA permitting process flowcharts identify agency actions, permittee actions, and public participation actions for the following processes:

- Issue an Operating Hazardous Waste Permit (Initial or Renewal)
- Modify a RCRA Hazardous Waste Permit

Refer to the <u>Public Participation Materials</u> for additional information and guidance on how to implement public participation activities throughout the RCRA permitting and corrective action processes. In addition, state regulations, as adopted, may vary.

The regulations for the main permitting "decisionmaking" processes are located in 40 CFR part 124 for the RCRA hazardous waste permitting flowcharts while the regulations for the facility-specific requirements in the permit are mainly in 40 CFR parts 264 and 270. (Permit modifications regulations are in Part 124 and Part 270.)

Links for the Chapter, Subchapters, and Parts with the main permitting regulations:

Permitting Decisionmaking Procedures for Air, Waste and Waste Programs (including RCRA) are in the <u>Chapter I EPA Regulations in Subchapter D Water Program</u> regulations at

• 40 CFR part 124 – Procedures for Decisionmaking

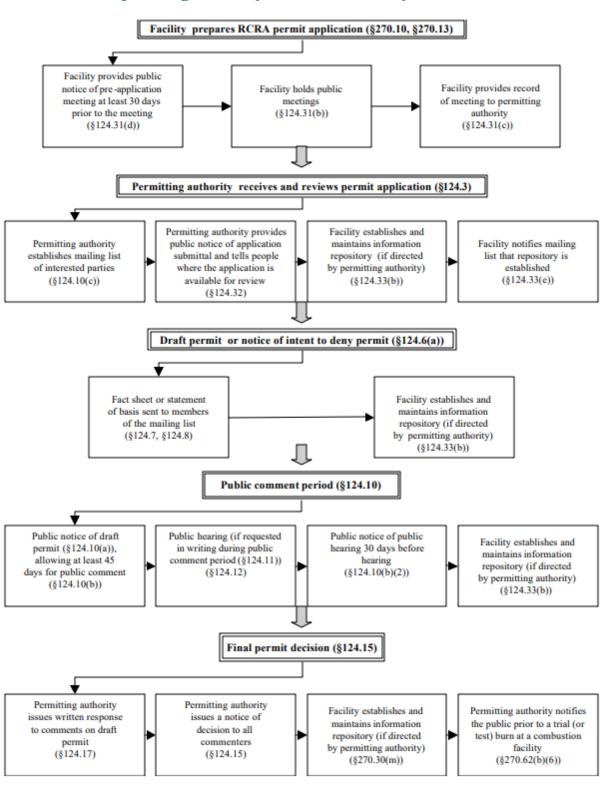
The TSDF Regulations are in "<u>Chapter I EPA Regulations</u>, <u>Subchapter I Solid Waste</u>" and the main standards for TSDF permitting are in Subchapter I at:

- 40 CFR part 264 Standards For Owners And Operators Of Hazardous Waste Treatment,
 Storage, and Disposal Facilities
- 40 CFR part 270 EPA Administered Permit Programs: The Hazardous Waste Permit <u>Program</u>

These permitting standards are within the hazardous waste management parts (Parts 260 through 273). The list of individual links in <u>eCFR</u> to each regulatory part are listed in the <u>eCFR</u> section in this document.

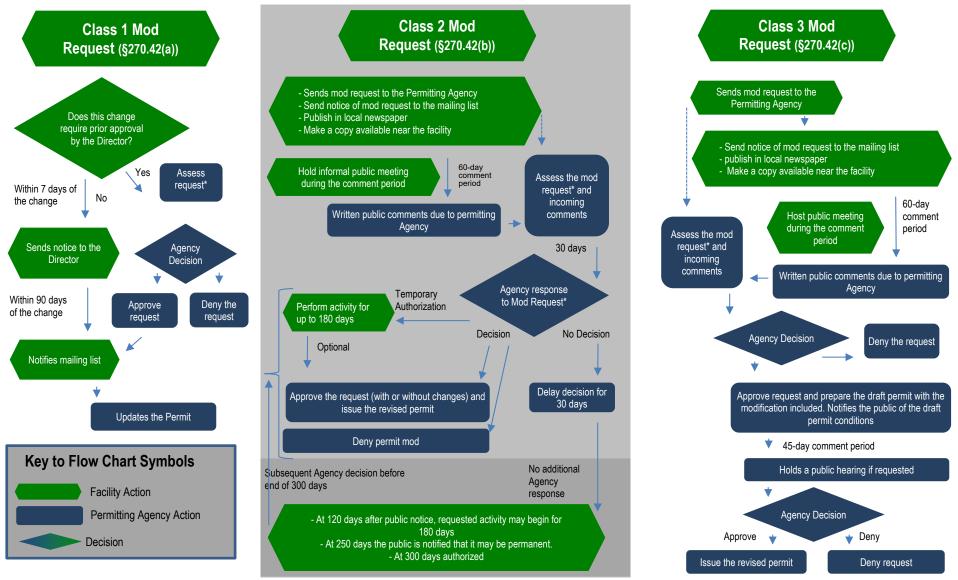
For additional information on the permitting process, refer to the EPA website's information on "Steps in the Hazardous Waste Permitting Process on the Federal Level."

Issue a RCRA Operating Permit (Initial or Renewal)¹



¹ Reference Guide for Public Involvement in Environmental Permits, EPA-500-R-00-007 August 2000, page 2-28. Refer to the applicability in the given the Part 124 Federal regulations for each step. State regulation, as adopted, will differ.

Modify a RCRA Hazardous Waste Permit at the Request of the Permittee (40 CFR 270.42)



See § 270.42 for the full federal regulations for permittee mod requests. State regulations may vary. Several states have not adopted the regulations for the three class structure, and use the preexisting Major and Minor Mod structure.

* The permitting Agency may need additional information from the facility in order to make a decision and these interactions can be lengthy. The Permitting Agency may also determine that the class should be higher or lower (or decide if a Class 1 needs prior approval) based on the change being made. The separate temporary authorization process can be used for Class 2 or 3 as appropriate (although not referenced in the Class 3 process above).

Summary Chart of Permitting Regulations

Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF) Regulations in 40 CFR Parts 124, 264, and 270 for the Following Standards/Activities

	Hazardous Waste Management/Permitting Standard/Activity	General Requirements 40 CFR-Part/Subpart	Permit Application Requirements 40 CFR Section	Closure/Post-Closure Requirements 40 CFR Section
1	General Facility Standards	<u>264-B</u> & <u>265-B</u>	<u>270.14</u>	NA
2	Preparedness and Prevention	<u>264-C</u> & <u>265-C</u>	NA	NA
3	Contingency Plan and Emergency Procedures	264-D & 265-D	NA	NA
4	Manifest System, Recordkeeping and Reporting	<u>264-E</u> & <u>265-E</u>	NA	NA
5	Releases from Solid Waste Management Units	<u>264-F</u>	NA	<u>264.100</u>
6	Groundwater Monitoring	<u>265-F</u>	NA	NA
7	Closure and Post-Closure	<u>264-G</u> & <u>265-G</u>	NA	<u>264.110-120</u> & <u>265.110-121</u>
8	Financial Assurance Requirements	<u>264-H</u> & <u>265-H</u>	NA	NA
9	Use and Management of Containers	<u>264-l</u> & <u>265-l</u>	270.15 & 270.27	<u>264.178</u>
10	Tank Systems	<u>264-J</u> & <u>265-J</u>	<u>270.16</u> & <u>270.27</u>	<u>264.197</u> & <u>265.197</u>
11	Surface Impoundments	<u>264-K</u> & <u>265-K</u>	<u>270.17</u> & <u>270.27</u>	<u>264.228</u> & <u>265.228</u>
12	Waste Piles	<u>264-L</u> & <u>265-L</u>	<u>270.18</u>	<u>264.258</u> & <u>265.258</u>
13	Land Treatment	264-M & 265-M	<u>270.20</u>	<u>264.280</u> & <u>265.280</u>
14	Landfills	264-N & 265-N	<u>270.21</u>	<u>264.310</u> & <u>265.310</u>
15	Incinerators	<u>264-O</u> & <u>265-O</u> & <u>63-EEE</u>	<u>270.19</u> & <u>270.62</u>	<u>264.351</u> & <u>265.351</u>
16	Thermal Treatment	<u>265-P</u>	NA	<u>265.381</u>
17	Boilers/Industrial Furnaces	<u>266-H</u> & <u>63-EEE</u>	<u>270.66 & 270.22</u>	NA
18	Chemical, Physical, Biological Treatment	<u>265-Q</u>	NA	265.404
19	Drip Pads	<u>264-W</u> & <u>265-W</u>	<u>270.26</u>	<u>264.575</u> & <u>265.445</u>
20	Containment Buildings	264-DD & 265-DD	NA	<u>264.1102</u> & <u>265.1102</u>
21	Miscellaneous Units	<u>264-X</u>	<u>270.23</u>	<u>264.601</u> & <u>264.603</u>
22	Munitions and Explosives Storage	264-EE & 265-EE	NA	<u>264.1202</u> & <u>265.1202</u>
23	Underground Injection	<u>265-R</u>	NA	NA
24	Air Emission Standards for Process Vents	<u>264-AA</u> & <u>265-AA</u>	<u>270.24</u>	NA
25	Air Emission Standards for Equipment Leaks	264-BB & 265-BB	<u>270.25</u>	NA
26	Air Emission Standards for Tanks, Surface Impoundments and	264-CC & 265-CC	270.27	NA
	Containers			
27	Solid Waste Management Units	<u>264-F</u> & <u>264-S</u>	NA	<u>264.101</u>
28	Special Provisions for Cleanup	<u>264-S</u>	NA	NA
29	Land Disposal Restrictions	<u>268</u>	NA	NA
30	Hazardous Waste Permitting Program General Requirements	<u>270</u>	<u>270</u>	NA
31	Procedures for Decisionmaking (includes RCRA Permitting Process)	<u>124</u>	124 subparts A, B, G	NA

Hazardous Waste TSDF Resources

RCRA Orientation Manual

RCRA Orientation Manual 2014

Regulations Governing Treatment, Storage, and Disposal Facilities (Chapter III, page 53) Permitting of Treatment, Storage and Disposal Facilities (Chapter III, page 107) Corrective Action to Clean Up Hazardous Waste Contamination (Chapter III, page 119)

RCRA Training Modules

General Website for Training Modules

Permits and Interim Status (PDF 25 pp, 63 K) - RCRA Training Module: Introduction to Permits and Interim Status (40 CFR Part 270) – September 2005. This module presents an overview of the RCRA permitting process and the requirements that apply to TSDFs operating under interim status until a permit is issued. The regulations governing the permitting process are found in 40 CFR Parts 124 and 270.

Treatment, Storage, and Disposal Facilities (PDF 20 pp, 94K) - RCRA Training Module: Introduction to Treatment, Storage and Disposal Facilities (40 CFR Parts 264/265, Subpart A-E) – September 2005. This module enables you to be able to discuss the general requirements for TSDFs and discern the differences between the applicability of Part 264 versus Part 265.

Unit Types:

Boilers and Industrial Furnaces - RCRA, Superfund & EPCRA Hotline Training Module: Introduction to: Boilers and Industrial Furnaces (40 CFR Part 266, Subpart H) – February 2000.

Boilers are enclosed devices that use controlled flame combustion to recover and export energy in the form of steam, heated fluids, or heated gases. Industrial furnaces are enclosed units that are integral parts of a manufacturing process and use thermal treatment to recover materials or energy from hazardous waste (e.g., cement kilns, aggregate kilns).

Containers RCRA Training Module: Introduction to Containers (40 CFR Parts 264/265; Subpart I; Section 261.7) – September 2005.

A hazardous waste container is any portable device in which a hazardous waste is stored, transported, treated, disposed, or otherwise handled. The most common hazardous waste container is the 55-gallon drum. Other examples of containers are tanker trucks, railroad cars, buckets, bags, and even test tubes.

Containment Buildings (PDF 14 pp, 58K) - RCRA Training Module: Introduction to Containment Buildings (40 CFR Parts 264/265; Subpart DD) - September 2005.

Containment buildings are completely enclosed, self-supporting structures (i.e., they have four walls, a roof, and a floor) used to store or treat non-containerized hazardous waste.

<u>Drip Pads</u> (PDF 12 pp, 33K) - RCRA, Superfund & EPCRA Hotline Training Module: Introduction to Drip Pads (40 CFR Parts 264/265, Subpart W) – October 2001.

A drip pad is a wood drying structure used by the pressure-treated wood industry to collect excess wood preservative drippage. Drip pads are constructed of non-earthen materials with a curbed, free-draining base that is designed to convey wood preservative drippage to a collection system for proper management.

Incinerators RCRA, Superfund & EPCRA Hotline Training Module: Introduction to: Hazardous Waste Incinerators (40 CFR Parts 264/265, Subpart O) – Published February 2000

Incinerators are enclosed devices that use controlled flame combustion for the thermal treatment of hazardous waste. When performed properly, this process destroys toxic organic constituents in hazardous waste and reduces the volume of waste that needs to be disposed.

<u>Land Disposal Units</u> or Hazardous Waste Disposal Units (PDF 16 pp, 165K) - RCRA Training Module: Introduction to Land Disposal Units (40 CFR Parts 264/265; this module includes Subparts K – Surface Impoundments, L – Waste Piles, M – Land Treatment Units, N – Landfills) – September 2005.

These disposal units are at hazardous waste facilities.

Surface Impoundments – A surface impoundment unit is a natural topographical depression, man-made excavation, or diked area such as a holding pond, storage pit, or settling lagoon. Surface impoundments are formed primarily of earthen materials and are lined with synthetic plastic liners to prevent liquids from escaping.

Waste Piles – Waste pile units are non-containerized piles of solid, non-liquid hazardous waste that are used for temporary storage or treatment.

Landfills – A landfill is a disposal unit where hazardous waste is placed in or on land and which is not a pile, a land treatment facility, a surface impoundment, an underground injection well, a salt dome formation, a salt bed formation, an underground mine, a cave, or a corrective action management unit.

Land Treatment Units – A land treatment unit has hazardous waste applied onto or incorporated into the soil surface; they are disposal units if the waste will remain after closure.

Tanks RCRA Training Module: Introduction to Tanks (40 CFR Parts 264/265; Subpart J) - September 2005.

Tanks are stationary devices constructed of non-earthen materials used to store or treat hazardous waste. Tanks can be open-topped or completely enclosed and are constructed of a wide variety of materials including steel, plastic, fiberglass, and concrete.

Miscellaneous and Other Units - RCRA, Superfund & EPCRA Hotline Training Module: Introduction to: Miscellaneous and Other Units (40 CFR Part 264, Subpart X and 40 CFR Part 265, Subparts P, Q, and R – October 2001.

Miscellaneous units are defined as hazardous waste management units where hazardous waste is managed in a unit other than a container, tank, surface impoundment, pile, land treatment unit, landfill, incinerator, boiler, industrial furnace, UIC well, containment building, or unit eligible for a research, development, and demonstration (RD&D) permit. Since Subpart X is intended to serve as a "catch all" category, the Agency did not develop an all-inclusive list of units designated as miscellaneous units.

Training Modules for Other RCRA Permitting Standards

Air Emission Standards - RCRA, Superfund & EPCRA Hotline Training Module: Introduction to Air Emission Standards (40 CFR Parts 264/265, Subparts AA, BB, and CC) – October 2001

Closure/Post Closure - RCRA Training Module: Introduction to Closure/Post-Closure (40 CFR Parts 264/265, Subpart G) - September 2005

<u>Corrective Action</u> (Cleanup Program) - RCRA, Superfund & EPCRA Hotline Training Module: Introduction to RCRA Corrective Action - October 2001

Financial Assurance - RCRA, Superfund & EPCRA Hotline Training Module Introduction to RCRA Financial Assurance (40 CFR Parts 264/265, Subpart H) – October 2001

<u>Groundwater Monitoring</u> - RCRA, Superfund & EPCRA Hotline Training Module: Introduction to Groundwater Monitoring (40 CFR Parts 264/265, Subpart F) – October 2001

Note: For regulators to access additional RCRA training materials, such as training resources (e.g., course materials from various permit writers courses), online courses (e.g., WAP Guidance), and a video library (e.g., permit writer training videos), log-on to the ERTPVU website at https://ertpvu.org/. You will need to register and set up a password before you can access the training materials.

Tracking of RCRA Data and EPA Identification Numbers in RCRAInfo

RCRA Subtitle C: EPA Identification Number, Site Status and Site Tracking Guidance for Managing Data in RCRAInfo (PDF 52 pp, 408K) - March 2005

Imports/Exports

Import Consent Documentation Requirements for Facilities Receiving Hazardous Waste Imports

Hazardous Waste Permitting Resources

Permits for the treatment, storage, or disposal of hazardous wastes are issued by Authorized States or by EPA Regional Offices. Regulations related to RCRA permitting can be found at 40 CFR Parts 260-270. Parts 264 and 270 specify what a permit must contain.

RCRA Subtitle C Permit Application Checklists

(Some checklists may be superseded, check with individual state agencies.)

Permit application information and Part A & B checklists

General

Full Part B Automated Checklist (XLS, 1,395K) - May 2021

General Information Requirements (PDF 2 pp. 40 K) - December 1997

Facility Description (PDF 5 pp, 117 K) - December 1997

Waste Characteristics (PDF 6 pp, 150 K) - December 1997

Process Information - Miscellaneous Treatment (PDF 3 pp, 68 K) - December 1997

Groundwater Monitoring (PDF 7 pp, 197 K) - December 1997

Procedures to Prevent Hazards (PDF 11 pp, 293 K) - December 1997

Contingency Plan (PDF 6 pp, 184 K) - December 1997

Personnel Training (PDF 2 pp, 81 K) - December 1997

Closure, Post-Closure and Financial Requirements (PDF 14 pp, 323 K) - December 1997

Solid Waste Management Units (PDF 1 pp, 22 K) - December 1997

Other Federal Laws (PDF 1 pp, 19 K) - August 1997

Part B Certification (PDF 1 pp, 18 K) – August 1997

Subpart AA Process Vents (PDF 8 pp, 186 K) - July 1997

Subpart BB Equipment Links (PDF 7 pp, 164 K) - December 1997

Subpart CC Air Emission Standards (PDF 14 pp, 319K) – August 1997

Post Closure Facility Requirements (PDF 17 pp., 406K) - December 1997

Exposure Information (PDF 1 pg, 20K) - December 1997

Unit-Specific

Containers (PDF 2 pp, 54 K) - December 1997

Tanks (PDF 3 pp, 71K) - December 1997

Waste Piles (PDF 12 pp, 316 K) - December 1997

Surface Impoundments (PDF 10 pp, 276 K) - December 1997

Incinerators (PDF 2 pp, 55 K) - December 1997

Landfills (PDF 14 pp. 201K) - December 1997

Land Treatment (PDF 8 pp, 197 K) - December 1997

Subpart X (Miscellaneous Units) (PDF 3 pp, 43K) - December 1997

Boilers/Industrial Furnaces (PDF 7 pp, 128 K) - December 1997

Containment Buildings (PDF 5 pp, 99 K) - December 1997

Drip Pads (PDF 3 pp, 48 K) - December 1997

Other

Particle Size Method 5 Sampling Checklist (PDF 6 pp, 24K) – March 2016

Particle Size Distribution Method Sample Recovery Checklist (PDF 5 pp, 16K) - March 2016

Impinger Checklist (PDF 1 pg, 12K) - March 2016

PAH/PCB or TOC SV or 0010 SV - Method 0010 Semivolatile Sampling Checklist (PDF 6 pp, 24K) – March 2016

PAH/PCB or TOC SV or 0010 SV - Method 0010 Sample Recovery Checklist (PDF 4 pp,14K) – March 2016

Method 23 PCDD/PCDF Sampling Checklist (PDF 7 pp, 25K) – March 2016

Method 23A PCDD/PCDF Sample Recovery Checklist (PDF 4 pp, 13K) - March 2016

Model Permit

EPA is updating the RCRA Model permit. Available modules can be accessed from this website:

Model Permit Modules

Permit Example

<u>Chemical Waste Management, Emelle, AL</u> (PDF 103 pp, 556K) - a comprehensive permit that includes land disposal, treatment, storage, and miscellaneous units. Note: *This information is reproduced with permission from the State. By including this material, EPA does not endorse it or keep it current. To determine if these permits are the most recent, please check with the State.*

Example State Checklists

Facility Unit Outline Example (PDF 10 pp, 73K) – May 2010

Closure Plan Guidance (PDF 5 pp, 80K) - May 2010

Post Closure Checklist, SC (PDF 3 pp, 81K)

Unit Components to Consider for Cost Estimate (PDF 5 pp, 24K)

Items to Submit for RCRA Closure Cost Estimate (PDF 4 pp, 67K) - Dec 2017

Authorization Checklist for Each Rule

Note: Some of this information is reproduced from the State programs (with permission). By including this material, EPA does not endorse it or keep it current. To determine if these checklists are the most recent, please check with the State.

Part 267 Standardized Permit Tools

Tools	Tools for Standardized Permits Issued Under 40 CFR Part 267					
Madal Dameit		ypical RCRA permi				
Model Permit Unit Type Compliance Checklist for Informatio Audit Checklist That Must Be Kept On-S						
Draft RCRA Model	Tank	PDF (38 pp, 89K)	PDF (12 pp, 33K)			
<u>Standardized</u>	Container	PDF (36 pp, 81K)	PDF (6 pp, 20K)			
<u>Permit</u>	Containment Building	PDF (38 pp, 88K)	PDF (4 pp, 19K)			
(PDF 54 pp, 98K)	General	NA	PDF (18 pp, 45K)			

RCRA Subtitle C / Hazardous Waste Permitting Topics

RCRA Hazardous Waste

- RCRA Laws and Regulations
- EPA's Office of Resource Conservation and Recovery (ORCR)

Hazardous Waste Permitting

- Cleanup Program
- Closure and Post Closure
- Explosive Hazardous Waste / Subpart X
- Financial Assurance
- Groundwater Monitoring
- Land Disposal Restrictions
- Organic Air Emission Standards
- Public Participation

State Authorization / State Authorization Tracking System (StATS)

Biennial Report

Guidance/Policy Memos

Selected guidance documents are listed below. For additional guidance documents refer to RCRA Online (Browse Topics / Advanced Search).

Ensuring and Determining Compliance with Land Disposal Restrictions Through RCRA Permits, Waste Analysis Plans and Inspection Sampling Practices – April 2022, Information Bulletin

<u>Guidance on Setting Permit Conditions and Reporting Trial Burn Results</u> (PDF 224 pp, 16MB) – January 1989

Guidelines for Evaluating and Adjusting the Post-Closure Care Period for Hazardous Waste Disposal Facilities under Subtitle C of RCRA - December 15, 2016

<u>Human Health Risk Assessment Protocol for Hazardous Waste Combustion Facilities</u> (PDF 810 pp, 7.5MB) - September 2005

Implementing the RCRA/CAA Air Emission Controls Compliance Exemption/Election Provisions in Subparts AA, BB, and CC of 40 CFR Parts 264 and 265 – October 2019

Land Disposal Restriction (LDR) Requirements Memorandum from Barnes Johnson, Director, Office of Resource Conservation and Recovery, U.S. Environmental Protection Agency (RCRA Online No. 14843) (PDF 2 pp, 8.5K) - April 11, 2014

Memorandum: Applicability of RCRA Organic Air Emission Standards to Equipment and/or Closure Devices – December 2021

Open Burning and Open Detonation (OB/OD) of Waste Explosives Under the Resource Conservation and Recovery Act (RCRA) (RCRA Online No. 14946) (PDF 13 pp.511KB) – June 7, 2022

Permit Applicants' Guidance Manual for Hazardous Waste Land Treatment, Storage, and Disposal Facilities (PDF 688 pp, 23.29 MB) – May 1984

Permit Applicants' Guidance Manual for the General Facility Standards of 40 CFR Part 264 (PDF 299 pp, 12MB) – October 1983

Permit Writers Guide to Test Burn Data – Hazardous Waste Incineration (PDF 291 pp, 12MB) – June 1986

Preparedness and Prevention Requirements for RCRA TSDFs (Response to Chemical Safety Board Recommendation 2007-01-I-NC) (PDF 8 pp, 3.5 MB) - March 2010

RCRA Facility Assessment Guidance (PDF 176 pp, 13MB) - October 1986

RCRA Organic Air Emission Standards for TSDFs and Large Quantity Generators - December 2022

Risk-Based Clean Closure Memo (PDF 6pp. 109KB) - March 1998

Risk Burn Guidance for Hazardous Waste Combustion Facilities (PDF 230 pp, 623K) - July 2001

Waste Analysis at Facilities that Generate, Treat, Store, and Dispose of Hazardous Waste: A Guidance Manual (PDF 223 pp, 6 MB) – April 2015 (Prior Version for reference.)

Waste Analysis Guidance for Facilities That Burn Hazardous Waste (draft) (PDF 44 pp, 2.6 MB) - October 1994

General Hazardous Waste Permitting Resources

Steps in the Hazardous Waste Permitting Process

Frequent Questions About Hazardous Waste Permitting

Frequent Questions About Treatment, Storage, and Disposal Facilities (TSDFs).

Permit Application (Part A and Part B)

Public Participation

Public Involvement in Environmental Permits (EPA-500-R-00-007) (PDF 122 pp, 653 KB) - August 2000

Expanded Public Participation Rule (PDF 3 pp, 377 KB) – February 1996

Permit Applicants' Guidance Manual for Hazardous Waste Land Treatment, Storage and Disposal Facilities, Final Draft (PDF 668 pp, 23 MB) – May 1984

<u>Permit Modifications Report: Safeguarding the Environment in the Face of Changing Business Needs</u>

Subpart X / Open Burning and Open Detonation

Compendium of Potential Alternative Treatment Technologies to Open Burning and Open Detonation of Hazardous Waste Explosives (EPA 530-R-25-002) (PDF 90pp. 2.62 MB) - January 3, 2025

<u>Final Report: Alternative Treatment Technologies to Open Burning and Open Detonation of Energetic Hazardous Wastes</u> (PDF 83pp. 3.14 MB) - December 2019

State Hazardous Waste Permitting Websites

State Hazardous Waste Programs

Alabama -permitting & registration Alaska – state program Arizona - HW management Arkansas – HW permitting California - HW permitting facilities & status (Envirostar) Colorado - HW management sites Connecticut – permits & licenses Delaware – permitting regulations District of Columbia (DC) general permits and licenses Florida - permitting & corrective action Georgia – HW forms Hawaii - HW section Idaho - permits & applications Illinois – waste management Indiana – permitting lowa - solid waste permitting (no HW permitting) Kansas - HW & corrective action

Kentucky – HW Branch Louisiana – hazardous waste Maine - permits, licenses, & certifications Maryland – environmental permits & approvals Massachusetts – environmental protection Michigan - list of permitted TSDFs (Google Maps & Waste Data System) Minnesota – HW permitting Mississippi – HW program Missouri – list of permitted **TSDFs** Montana – permitting forms Nebraska – land management Nevada – list of permitted **TSDFs** New Hampshire – HW forms New Jersey - list of RCRA **Facilities** New Mexico - licenses & permits New York - HW management facilities

North Carolina – permit directory North Dakota – HW program Ohio – materials & waste management Oklahoma - permits for public review Oregon – HW permitting Pennsylvania – HW program Rhode Island - waste facilities management program South Carolina - permit central South Dakota - HW management <u>Tennessee</u> – HW permits Texas – industrial & HW permits Utah - HW management Vermont – permits, licenses & certifications Virginia – HW permitting Washington - dangerous waste permits West Virginia – HW permitting Wisconsin – HW management Wyoming – HW permitting & corrective actions

List of Permitted Hazardous Waste Facilities by State

Permitting - Not Specific to RCRA Hazardous Waste

Other EPA Permitting Websites

Water:

National Pollutant Discharge Elimination System (NPDES)

Air:

Acid Rain Program

Pre-construction or New Source Review (NSR) Permits

Operating or Title V Permits

Regional Websites (links to permitting)

 Region 1
 Region 6

 Region 2
 Region 7

 Region 3
 Region 8

 Region 4
 Region 9

 Region 5
 Region 10

All Regions

Air Programs by Region
Water Programs by State

Other Relevant Websites

Compliance Assistance: Assisting Regulated Entities

Enforcement and Compliance History Online (ECHO)

Envirofacts

Enviromapper

RCRA Glossary of Terms

NAICS Codes

USGS Topographical Maps

RCRA Permit Appeals

RCRA Permit Appeals from the Environmental Appeals Board Website

- List of Published Decisions on Permit Appeals (Starting in 1992)

RCRA Permit Appeals (1985 - 1994)

- Summary of RCRA Permit Appeal Issues, 6/30/94 (PDF, 21 pp, 4.8 MB).

The table below contain RCRA Permit Appeals (Appeal # 84 through Appeal # 93 which cover 1985 – 1994 appeals).

Table for RCRA Permit Appeals Numbered 84-1 - 93-9 (1985 - 1994)

Appeal No.	Reg	Decision Date	Company Name	Contains Fact Sheet	Result
84-1		February 14, 1985	Rohm and Haas Delaware Valley (PDF 4 pp, 2.4MB)	No	Order denying petition for review
84-2		October 9, 1985	Chemical Waste Management, Inc. (PDF 2 pp.1.3MB)	No	Order dismissing petition for review of RCRA permit
84-3(a)	R4	March 12, 1985	Earth Industrial Waste Management, Inc. (PDF 4 pp,2.5MB)	No	Order denying petition for review
84-4	R5	November 27, 1985		No	Order of reconsideration
84-5	R5	May 17, 1985	Amoco Oil Co. (PDF 7 pp, 4.1MB)	No	Order denying petition for review
85-2	R3	June 23, 1986	Bryant Waste Management, Inc. (PDF 6 pp,3.4MB)	No	Denial of petition for review
85-5	R5	January 7, 1987	Fisher-Calo Chemicals and Solvents, Corp. (PDF 12 pp, 7.1MB)	No	Order denying petition for review
86-4	R3	July 29, 1991	Allied Corp (Baltimore Chrome Ore Works) (PDF 8 pp, 4.2MB)	Yes	Motion to vacate permit and dismiss the appeal as moot
87-1	R7	September 8, 1988	Vulcan Materials Co. (PDF 5 pp, 3.0MB)	Yes	Order denying petitions for review
87-3	R9	July 24, 1987	Ogden Environmental Services, Inc. (PDF 3 pp, 1.5MB)	No	Denial of petitions for review
87-5	R8	September 2, 1987	Highway 36 Land Development Co. (PDF 3 pp, 1.6MB)	No	Order denying petition for review
87-11	R5	September 12, 1991	Erieway, Inc. (PDF 5 pp, 2.8MB)	Yes	Order
87-12	R4	May 27, 1988	Chemical Waste Management (PDF 23 pp, 14MB)	Yes	Order granting in part and denying in part petitions for review
87-13	R4	February 28, 1989	Hoechts Celanese Corp. (PDF 19 pp, 11MB)	Yes	Order on petition for review
87-14		December 14, 1988	Ecolotech, Inc. (PDF 9 pp, 5.5MB)	Yes	Remand order
87-16	R4	September 15, 1988	Interstate Lead Co., Inc. (PDF 4 pp, 2.5MB)	Yes	Order denying petition for review
87-19		September 8, 1988	Shell Oil Co. Deer Park Manufacturing Complex (PDF 10 pp, 5.9MB)	Yes	Order denying petition for review
88-3	R6	June 27, 1989	Navajo Refining Co.	Yes	Order denying review

			(PDF 8 pp, 4.5MB)		
88-6	R10	June 7, 1989		Yes	Order denying review
88-8	R5	September 22, 1988	Waste Tech Services and BP Chemicals America, Inc. (PDF 6 pp, 3.8MB)	Yes	Order denying petition for review
88-10	R2	August 15, 1989		Yes	Order denying review
88-13	R5	October 2, 1991	USX Corp. (PDF6 pp, 3.4MB)	Yes	Order denying review
88-14	R5	April 17, 1990	Environmental Waste Control, Inc. (PDF 11 pp, 5.2MB)	Yes	Order denying review
88-17 & 89-15	R4	October 19, 1990	ThermalKEM, Inc. (PDF 14 pp, 7.7MB)	Yes	Order denying review
88-18	R5	November 22, 1989	Olin Corp. Badger Army Ammunition Plant (PDF 8 pp. 5.3MB)	Yes	Order denying review
88-22	R4	October 31, 1989	American Cyanamid Co. Santa Rosa Plant (PDF 5 pp. 3.2MB)	Yes	Order denying review
88-23	R5	January 12, 1990	CECOS International, Inc. (PDF 13 pp, 8.4MB)	Yes	Order denying review
88-24	R5	November 16, 1990	Marathon Petroleum Co. (PDF 13 pp, 7.1MB)	Yes	Denial of petition for review
88-28	R4	July 26, 1990	Thermal Oxidation Corp. (PDF 9 pp, 5.1MB)	Yes	Order denying review
88-29	R9	June 27, 1989	Hughes Aircraft Co. Air Force Plant 44 (PDF 5 pp, 2.4MB)	Yes	Order denying review
88-31	R3	February 17, 1989	Westinghouse Electric Corp. (PDF 9 pp. 5.3MB)	Yes	Order denying petition for review
88-34	R1	February 12, 1990	United Technologies Corp. Pratt and Whitney Group	Yes	Order denying review
			(PDF 9 pp,5.3MB)		
88-38			National Steel Corp Midwest Division (PDF 8 pp,4.8MB)		Order denying review
88-39		February 1, 1990	Texaco Refining and Marketing Inc. (PDF 6 pp,3.9MB)	Yes	Remand order
88-40			Envirosafe Services of Ohio, Inc. (PDF 12 pp, 6.1MB)	Yes	Order denying review
88-41		April 3, 1990	Envirosafe Services of Idaho, Inc. (PDF 13 pp,7.5xMB)	Yes	Order denying review
88-44	R6	December 6, 1991	Conoco, Inc. (PDF 6 pp, 3.7MB)	Yes	Order denying review
88-45	R10	January 13, 1989	Hytek Finishes Co. (PDF 5 pp, 2.8MB)	Yes	Order denying petition for review
88-46	R6	April 20, 1990	Sun Refining and Marketing Co. (PDF 5 pp, 2.8MB)	Yes	Order denying review
88-47	R9		California Thermal Treatment Services, Inc. (PDF 12 pp, 7.6MB)	Yes	Order denying review
88-48	R10		Shell Oil Co. (PDF 10 pp, 5.6MB)	Yes	Order denying review
89-1		November 7, 1990	Amoco Performance Products, Inc. (PDF 7 pp, 4.0MB)	Yes	Order denying review
89-4	R5		BP Chemicals America, Inc. (PDF 9 pp, 5MB)	Yes	Order granting review
89-4	R5	August 20, 1991	BP Chemicals America, Inc. (PDF 14 pp, 7.5MB)	Yes	Remand order
89-8	R5	August 5, 1991	American Cyanamid Co. (PDF 18 pp, 10MB)	Yes	Remand order
89-10	R6	June 27, 1989	Texaco Refining and Marketing Inc. and Star Enterprise (PDF 4 pp, 1.7MB)	Yes	Order denying review

89-12		November 6, 1990	Texaco Refining and Marketing Inc. (PDF 9 pp, 5.3MB)	Yes	Order denying review
89-13	R10	July 25, 1989	BP Oil Co. (PDF 4 pp, 2.0MB)	Yes	Order denying review
89-20	R5	May 22, 1991	RMI Extrusion Plant (PDF 7 pp, 4.2MB)	Yes	Denial of petition for review
89-22	R4	December 29, 1992	GSX Services of South Carolina, Inc. (PDF 26 pp, 14MB)	Yes	Order denying review in part and remanding in part
89-26		December 31, 1990	Chevron USA, Inc. (PDF 15 pp, 8.5MB)	Yes	Order on petition for review
89-27	R5	March 25, 1991	Waste Management of Illinois, Inc. (PDF 5 pp, 3.1MB)	Yes	Order denying review
89-28	R1	March 25, 1991	W.R. Grace & Co. (PDF 7 pp, 4.3MB)	Yes	Order on petition for review
89-29	R4	December 19, 1990	The BF Goodrich Co. (PDF 17 pp, 9.2MB)	Yes	Order on petition for review
89-35	R1	November 29, 1991	S.D. Warren Co. (PDF 14 pp,8.5MB)	Yes	Order on petition for review
89-37	R4	February 28, 1992	Owen Electric Steel Co. of South Carolina (PDF 20 pp, 12MB)	Yes	Order on petition for review
90-4	R4	February 14, 1991	LCP Chemicals North Carolina, Inc. (PDF 6 pp, 3.6MB)	Yes	Order denying review
90-9 & 90-9(a)	R5		Wayne Disposal, Inc. (PDF 20 pp, 11MB)	Yes	Order denying review
90-15	R9	April 27, 1992	Chevron Chemical Co. (PDF 12 pp, 6.8MB)	Yes	Order denying review in part and remanding in part
90-17	R4	February 28, 1992	Morton International, Inc. (PDF 19 pp, 10MB)	Yes	Order denying review
90-21	R9	March 21, 1991	Romic Chemical Corp. (PDF 7 pp, 4.2MB)	Yes	Remand order
90-23		•	Atochem North America Inc. (PDF 6 pp, 3.4MB)	Yes	Remand order
90-24 & 90-25	R5	November 6, 1992	General Motors, Corp. (PDF 36 pp, 15MB)	Yes	Order denying review in part, remanding in part and granting review in part
90-26	R5	January 14, 1991	MacDermid, Inc. (PDF 5 pp, 2.7MB)	Yes	Order denying review
90-27	R3	July 29, 1993	Allied-Signal, Inc. (PDF 25pp, 13MB)	Yes	Order denying review in part and remanding in part
91-1	R4	June 10, 1991	Georgetown Steel Corp. (PDF 9 pp, 5.9MB)	Yes	Order dismissing petition for review
91-3	R4	July 8, 1992	U.S. Department of Energy Pinellas Plant (PDF 7 pp, 3.8MB)	Yes	Order denying review
91-5	R9	July 15, 1991	Chem-Clear, Inc. (PDF 4 pp, 2.3MB)	Yes	Order denying review
91-7; 1992		November 6, 1992	General Electric Co. (PDF 41 pp, 18MB)	Yes	Remand order
91-7; 1993	R1	April 13, 1993	General Electric Co. (PDF 35 pp, 19MB)	Yes	Remand order
91-7, 91- 8, & 91-9	R1	March 13, 1992	General Electric Co. (PDF 9 pp, 5.0MB)	Yes	Order granting review
91-11	R6	February 8, 1992	U.S. Pollution Control, Inc. (PDF 8 pp, 4.5MB)	Yes	Order denying review

91-12	R10	October 10, 1991	Penberthy Electromelt International,	Yes	Order denying petition
			Inc. (PDF 5 pp, 2.8MB)		for review
91-13	R2	August 7, 1992	Occidental Chemical Corp. (PDF 5 pp, 2.7MB)	Yes	Remand order
91-14	R2	July 9, 1992	Sandoz Pharmaceuticals, Corp. (PDF 17 pp, 8.7MB)	Yes	Order denying review in part and remanding in part
91-17	R9	June 15, 1992	Chemical Waste Management, Inc. (PDF 14 pp, 8.0MB)	Yes	Order denying review
91-18	R8	April 22, 1992	Atlas Environmental Services, Inc. (PDF 17 pp, 9.9MB)	Yes	Order denying review
91-19	R9	February 28, 1992	Erickson Treatment Transfer Station (PDF 3 pp, 1.6MB)	Yes	Remand order
91-25	R4	March 18, 1993	Beazer East, Inc. and Koppers Industries, Inc. (PDF 23 pp, 13MB)	Yes	Order denying review in part and remanding in part
91-28	R2	April 7, 1992	Ciba-Geigy Corp. (PDF 7 pp, 3.7MB)	Yes	Order denying review
92-2	R4	September 3, 1992	Adcom Wire Co. (PDF 14 pp, 7.1MB)	Yes	Order denying review
92-3	R5	August 5, 1992	Pollution Control Industries of Indiana, Inc. (PDF 14 pp, 7.1MB)	Yes	Order denying review
92-4	R4	March 10, 1993	ThermalKEM, Inc. (PDF 9 pp, 5.3MB)	Yes	Order dismissing appeal
92-7 et al	R5	July 24, 1992	Waste Technologies Industries (PDF 33 pp, 15MB)	Yes	Order denying review in part and remanding in part
92-9	R3	April 20, 1993	Star Enterprise Delaware City Refinery (PDF 27 pp, 14MB)	Yes	Order denying review
92-14	R9	May 18, 1992	Cargill, Inc. (PDF 5 pp, 2.7MB)	Yes	Order denying review
92-17			Brush Wellman, Inc. (PDF 10 pp, 5.3MB)	Yes	Order denying review
92-20	R4	October 26, 1993	<u>Laidlaw Environmental Services</u> (PDF 20 pp, 11MB)	Yes	Order denying review in part and remanding in part
92-21	R8	November 23, 1993	Amoco Oil Co. Mandan Refinery (PDF 42 pp, 12MB)	Yes	Order denying review in part and remanding in part
92-25	R2	May 5, 1993	LCP Chemicals (PDF 14 pp, 7.6MB)	Yes	Order denying review
92-30	R2	May 16, 1994	Allied-Signal, Inc. (PDF 16 pp, 8.4MB)	Yes	Order denying review
92-39		May 13, 1994	Environmental Waste Control, Inc. (PDF 41 pp, 17MB)	Yes	Order denying review in part and remanding in part
93-4	R5	March 21, 1994	Metalworking Lubricants Co. (PDF 12 pp, 6.9MB)	Yes	Order denying review
93-7 & 93-9	R5	June 21, 1993	Waste Technologies Industries (PDF 16 pp, 8.5MB)	No	Order denying review for lack of jurisdiction

Federal Register Notices

The tables below contain Federal Register notices relevant to the RCRA hazardous waste permitting program including proposed rules, final rules, interim final rules, advanced notice of proposed rulemakings, notices of data availability, and technical corrections in addition to other actions published in the Federal Register.² The tables below are also replicated in this separate document: <u>Table of RCRA FR Notices</u> (Starting in 1978).

The notices in the following CFR Parts are more central to RCRA Hazardous waste TSDF and permitting:

40 CFR parts 124, 264, 265, and 270. For notices on those topics, find those CFR Parts in the rightmost column in the tables below.

The regulations governing hazardous waste identification, classification, generation, transportation, storage, treatment and disposal are found in title 40 CFR parts 260 through 273, although some of the CFR parts listed in the tables below for FR notices are deemed relevant, but not in CFR parts 260-273.

- Part 260 Hazardous Waste Management System: General.
- Part 261 Identification And Listing Of Hazardous Waste.
- Part 262 Standards Applicable To Generators Of Hazardous Waste.
- Part 263 Standards Applicable To Transporters Of Hazardous Waste.
- Part 264 Standards For Owners And Operators Of Hazardous Waste Treatment, Storage, and Disposal Facilities.
- Part 265 Interim Status Standards For Owners And Operators Of Hazardous Waste Treatment, Storage, and Disposal Facilities.
- Part 266 Standards For The Management Of Specific Hazardous Wastes And Specific Types Of Hazardous Waste Management Facilities.
- Part 267 Standards For Owners And Operators Of Hazardous Waste Facilities Operating Under A Standardized Permit.
- Part 268 Land Disposal Restrictions.
- Part 270 EPA Administered Permit Programs: The Hazardous Waste Permit Program.
- Part 271 Requirements For Authorization Of State Hazardous Waste Programs.
- Part 272 Approved State Hazardous Waste Management Programs.
- Part 273 Standards For Universal Waste Management.

Federal Register Notices 1970 - 1979

Date	Title	Action	Parts
43 FR 58946, Dec. 18, 1978	Hazardous Waste: Guidelines and Regulations	Proposed Rule	250
44 FR 34244, June 14, 1979	Consolidated Permit Regulations: RCRA Hazardous Waste; SDWA Underground Injection Control; CAA Prevention of Significant Deterioration; CWA National Pollutant Discharge Elimination System; and Section 404 Dredge or Fill Programs	Proposed Rule	122, 123, and 124

Federal Register Notices 1980 - 1989

Date	Title	Action	Parts
45 FR 33154 May 19, 1980	Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities	Final Rule and Interim Final Rule	264 and 265
45 FR 33260 May 19, 1980	Financial Requirements for Owners and Operators of Hazardous Waste Management Facilities	Revision of Proposed Rule	264 and 265
45 FR 33280 May 19, 1980	Hazardous Waste Management, Interim Status Requirements for Underground Injection	Proposed Rule	265

² In some cases, only the final rule is listed and not the proposal and other related preceding notices.

SFR 33290 May 19, 1980 Consolidated Permit Regulations, RCRA Hazardous Waste, SDWA Underground Injection Control, CWA National Pollutant Discharge Elimination System, CWA Section 404 Dredge or Fill Programs, and CAA Prevention of Significant Deterioration Ads FR 33516 Consolidated Permit Application Forms for EPA Programs Publication of Consolidated Permit Application Forms for EPA Programs Publication of Consolidated Permit Application Forms Application of Consolidated Permit Application Forms Applic				
May 19, 1980 Hazardous Waste Management System, General Hazardous Final Application Forms Application Forms Application Forms Application Forms Amendment Amendment and Interim Final Amendments to Rule and Request for Comments Amendments to Rule and Request for Comments Requirements Applicable to Transporters of Hazardous Waste Treatment, Storage and Disposal Facilities, Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities Macroscopic Macro	May 19, 1980	SDWA Underground Injection Control, CWA National Pollutant Discharge Elimination System, CWA Section 404 Dredge or Fill Programs, and CAA Prevention of Significant Deterioration		and 125
Waste Management System, Identification and Listing of Hazardous Waste Hazardous Waste Management System, Storage Interiments to Rule and Request for Comments Standards for Owners and Operators of Hazardous Waste Administered Permit Program Administered Permit Program, The Hazardous Waste Treatment, Storage and Disposal Facilities, Interim Status Standards for Owners and Operators of Hazardous Waste Administered Permit Program, The Hazardous Waste Administered Permit Program, The Hazardous Waste Operators of Hazardous Waste Presenters of Hazardous Waste Management Facilities, Consolidated Permit Regulations Afe FR 7666	May 19, 1980		Consolidated Permit Application Forms	and 125
Requirements Applicable to Transporters of Hazardous Waste, Standards for Owners and Operators of Hazardous Waste freatment, Storage and Disposal Facilities, Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, EPA Administered Permit Program, The Hazardous Waste Permit Program Hazardous Waste Permit Program Hazardous Waste Management System, Standards for Owners and Operators of Hazardous Waste and Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Interim Status Standards for Owners and Operators of Hazardous Waste by Rail 45 FR 86968 Dec. 31, 1980 Hazardous Waste Management System, Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities Interim Final Amendment and Request for Comment		Waste Management System, Identification and Listing of	Amendment and Interim Final Amendments to Rule and Request for Comments	
Generators of Hazardous Waste and Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities 45 FR 86970 Dec. 31, 1980 Transportation of Hazardous Waste by Rail Interim Final Amendment and Request for Comment Amendment and Request for Comment Amendment and Request for Comment Interim Final Amendment and Request for Comment Interim Final Amendment and Request for Comment Interim Final Rule Interim Final Amendments to Rules and Request for Comments Interim Rule Inte	Dec. 31, 1980	Requirements Applicable to Transporters of Hazardous Waste, Standards for Generators of Hazardous Waste and Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, EPA Administered Permit Program, The Hazardous Waste Permit Program	Amendments and Request for Comments	and 265
Amendment and Request for Comment		Generators of Hazardous Waste and Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities	Rule and Request for	265
Waste Treatment, Storage and Disposal Facilities, Consolidated Permit Regulations Rule 265			Amendment and Request	and 265
Incinerator Standards for Owners and Operators of Hazardous Waste Management Facilities, Consolidated Permit Regulations Interim Final Rule (Parts 264 and 122) and Final Rule (Part 265)		Waste Treatment, Storage and Disposal Facilities,		
Hazardous Waste Management Facilities		Incinerator Standards for Owners and Operators of Hazardous Waste Management Facilities, Consolidated Permit Regulations	Rule (Parts 264 and 122) and Final Rule (Part 265)	265
May 20, 1981 May 20, 1981 Interim Final and Final Rules		Hazardous Waste Management Facilities	Proposed Rule	264
Nov. 17, 1981 Hazardous Waste Treatment, Storage and Disposal Facilities Rule and Interim Final Amendments to Rules and Request for Comments 46 FR 57284, Standards Applicable to Owners and Operators of Hazardous Interim Rule 264	May 20, 1981		Interim Final and Final Rules	264, and 265
		Hazardous Waste Treatment, Storage and Disposal Facilities	Rule and Interim Final Amendments to Rules and Request for	
			Interim Rule	264

47 FR 953, Jan. 8, 1982	Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Correction	Interim Rule and Correction	264
47 FR 1254, Jan. 11, 1982	Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities	Interim Rule, Interim Final Amendments to Rule	265
47 FR 8307, Feb. 25, 1982	Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities	Proposed Amendments to Rule	265
47 FR 12316, Mar. 22, 1982	Hazardous Waste Management System Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities	Interim Final Amendment to Rule	265
47 FR 15032, Apr. 7, 1982	Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Financial Requirements	Revised Interim Final Rules	264 and 265
47 FR 16544, Apr. 16, 1982	Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Liability Requirements	Revised Interim Final Rule	123, 264, and 265
47 FR 17989, Apr. 27, 1982	Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Liability Requirements	Corrections	123, 264, and 265
47 FR 19995, May 10, 1982	Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Financial Requirements	Correction	264 and 265
47 FR 25546 June 14, 1982	Consolidated Permit Regulations; Revision in Accordance with Settlement	Proposed Rulemaking	122, 123, and 124
47 FR 27520, Jun. 24, 1982	The Hazardous Waste Management System	Interim Final Amendments to Interim Final and Final Rules	122, 264, and 265
47 FR 28626, Jul. 1, 1982	Information Collection Requirements, Effective Date,	Final Rule and Notice of Effective Date for Information Collection Requirements	264 and 265
47 FR 30446, Jul. 13, 1982	Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Liability Coverage Requirements	Final Rule and Notice of Extension of Effective Date	264 and 265
47 FR 32038, Jul. 23, 1982	Hazardous Waste Management System; General and EPA Administered Permit Programs; the Hazardous Waste Permit Program	Proposed Rule and Notice of Intent to Grant Rulemaking Petition	122
47 FR 32274, Jul. 26, 1982	Hazardous Waste Management System, Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, EPA Administered Permit Programs	Interim Final Rule With Request for Comments	122, 260, 264, and 265
47 FR 32382, Jul. 26, 1982	Hazardous Waste Management System, Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities	Interim Final Rule	264
47 FR 32385, Jul. 26, 1982	Hazardous Waste Management System, Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities	Notice of Proposed Rulemaking	265

47 FR 44932, Oct. 12, 1982	Hazardous Waste Management System: Standards Applicable to Generators of Hazardous Waste and Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities	Proposed Rule	122, 123, 262, 264, and 265
47 FR 52072, Nov. 18, 1982	Consolidated Permit Regulations; Revision in Accordance with Settlement	Proposed Rulemaking	122, 124, and 125
47 FR 55880, Dec. 13, 1982	Hazardous Waste Management System	Notice of Regulatory Reform, Request for Comment	Chapter I
48 FR 3977, Jan. 28, 1983	Hazardous Waste Management System, Standards Applicable for Generators of Hazardous Waste and Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities	Final Rule	122, 262, 264, and 265
48 FR 14146, Apr. 1, 1983	Environmental Permit Regulations, RCRA Hazardous Waste, SDWA Underground Injection Control, CWA National Pollutant Discharge Elimination System, CWA Section 404 Dredge or Fill Programs, CAA Prevention of Significant Deterioration	Final Rule	122, 123, 124, 125, 144, 145, 146, 233, 260, 261, 262, 263, 264, 265, 270, and 271
48 FR 14514, Apr 4, 1983	Hazardous Waste Management System: Identification and Listing of Hazardous Waste; Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities; Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities; and Storage and Disposal of Waste Material: Prohibition of Disposal of Tetrachlorodibenzo-p-Dioxin	Proposed Rule and Request for Comments	and 775
48 FR 21098, May 10, 1983	Hazardous Waste Management System: The Hazardous Waste Management Permit Program; Procedures for Decision Making	Proposed Rule and Request for Comments	124 and 270
48 FR 30113, Jun. 30, 1983	Hazardous Waste Management System, Permit Program, Requirements for Authorization of State Programs, Procedures for Decisionmaking, Identification and Listing of Hazardous Waste, Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Correction	Final Rule and Correction	124, 261, 264, 265, 270, and 271
48 FR 39611, Sep. 1, 1983	Permit Regulations, Revision in Accordance with Settlement	Final Rule	122, 123, 124, 144, 145, 233, 270, and 271
49 FR 17716, Apr. 24, 1984	Hazardous Waste Management System, The Hazardous Waste Permit System; Procedures for Decisionmaking	Final Rule	124, 270
50 FR 614, Jan. 4, 1985	Hazardous Waste Management System, Definition of Solid Waste	Final Rule	260, 261, 264, 265, and 266
50 FR 1684, Jan 11, 1985	Hazardous Waste Management System; Standards for the Management of Specific Wastes and Specific Types of Facilities	Proposed Rule and Request for Comment	
50 FR 1978, Jan. 14, 1985	Hazardous Waste Management System, Dioxin Containing Wastes	Final Rule	261, 264, 265, 270, and 775
50 FR 4514, Jan. 31, 1985	Information Requirements, OMB Approval, Technical Amendments	Final Rule and Technical Amendments	86, 122, 171, 264, 265, 434,

			439, 465, 467,
50 FR 11068, Mar 19, 1985	Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities	Proposed Rule	and 469 260, 264, 265, and 270
50 FR 16044, Apr. 23, 1985	Hazardous Waste Management System, Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities	Final Rule	265
50 FR 18370, Apr. 30, 1985	Hazardous Waste Management System, Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities	Final Rule	260, 264, 265, and 270
50 FR 26444, Jun. 26, 1985	Hazardous Waste Management System; Standards for Hazardous Waste Storage and Treatment Tank Systems	Proposed Rule	260, 262, 264, 265, and 270
50 FR 28702, Jul. 15, 1985	Hazardous Waste Management System, Final Codification Rule	Final Rule	260, 261, 262, 264, 265, 266, 270, 271, and 280
50 FR 31278, Aug. 1, 1985	Hazardous Waste Management System	Proposed Rule and Request for Comment	261, 262, 263, 264, 265, 270, and 271
50 FR 33902, Aug. 21, 1985	Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities: Liability Coverage	Notice of Proposed Rulemaking and Request for Comment	264 and 265
50 FR 49164, Nov. 29, 1985	Hazardous Waste Management System, Burning of Waste Fuel and Used Oil Fuel in Boilers and Industrial Furnaces	Final Rule	261, 264, 265, 266, and 271
50 FR 49212, Nov. 29, 1985	Hazardous Waste Management System; Recycled Used Oil Standards	Proposed Rule	260, 261, 266, 270, and 271
51 FR 1602, Jan. 14, 1986	Hazardous Waste Management System: Land Disposal Restrictions	Proposed Rule	260, 261, 262, 264, 265, 266, 270, and 271
51 FR 8744, Mar. 13, 1986	Hazardous Waste Management System; Exports of Hazardous Waste	Proposed Rule and Request for Comment	260, 262, 263, and 271
51 FR 10146, Mar. 24, 1986	Hazardous Waste Management System, General Identification and Listing of Hazardous Waste, Standards for Generators of Hazardous Waste, Standards for Transporters of Hazardous Waste, EPA Administered Permit Programs, Authorization of State Hazardous Waste Programs	Final Rule	260, 261, 262, 263, 270 and 271
51 FR 10706, Mar. 28, 1986	Hazardous Waste Management System; Proposed Codification of Statutory Provisions	Proposed Rule	144, 260, 264, 265, and 270
51 FR 16422, May 2, 1986	Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Closure/Post-Closure and Financial Responsibility Requirements	Final Rule	260, 264, 265, and 270
51 FR 19176, May 28, 1986	Hazardous Waste Management System, Final Codification Rule	Final Rule, Correction	265
51 FR 21648, Jun. 13, 1986	Hazardous Waste Management System; Identification and Listing of Hazardous Waste; Notification Requirements; Reportable Quantity Adjustments; Proposed Rule	Proposed Rule	261, 271, and 302

<u>51 FR 25350,</u> <u>Jul. 11, 1986</u>	Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Liability Coverage	Interim Final Rule	264 and 265
51 FR 25422, Jul. 14, 1986	Hazardous Waste Management System, Standards for Hazardous Waste Storage and Treatment Tank Systems	Final Rule	260, 261, 262, 264, 265, 270, and 271
51 FR 26632, Jul. 24, 1986	Hazardous Waste Management System; Ground-Water Monitoring	Proposed Rule and Request for Comments	264 and 270
51 FR 28556, Aug. 8, 1986	Hazardous Waste Management System, Final Codification Rule, Technical Correction	Final Rule and Technical Correction	264 and 265
51 FR 29430, Aug. 15, 1986	Hazardous Waste Management System, Standards for Hazardous Waste Storage and Treatment Tank Systems	Final Rule and Correction	260, 261, 262, 264, 265, 270, and 271
51 FR 37854, Oct. 24, 1986	Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities, Financial Assurance for Corrective Action	Proposed Rule	264, 270, and 271
51 FR 40572, Nov. 7, 1986	Hazardous Waste Management System, Land Disposal Restrictions	Final Rule	260, 261, 262, 264, 265, 268, 270, and 271
51 FR 40726, Nov. 7, 1986	Hazardous Waste Management System; Standards for Owners and Operators of Miscellaneous Units	Notice of Proposed Rulemaking	260, 264, and 270
51 FR 44714, Dec. 11, 1986	Hazardous Waste Management System: Land Disposal Restrictions	Proposed Rule	260, 261, 262, 264, 265, 268, 270, and 271
51 FR 46824, Dec 24, 1986	Hazardous Waste Management System: Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities	Proposed Rule	260, 264, 265, and 271
52 FR 3748, Feb. 5, 1987	Hazardous Waste Treatment, Storage, and Disposal Facilities; Air Emission Standards for Volatile Organics Control	Proposed Rule and Notice of Public Hearing	261, 264, 265, 269, 270, and 271
52 FR 8704, Mar. 19, 1987	Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Final Rule	Final Rule	265
52 FR 16982, May 6, 1987	Burning of Hazardous Waste in Boilers and Industrial Furnaces	Proposed Rule and Request for Comment	260, 261, 264, 265, 266, 270, and 271
52 FR 20218, May 29, 1987	Liners and Leak Detection for Hazardous Waste Land Disposal Units	Notice of Proposed Rulemaking	260, 264, 265, 270, and 271
52 FR 21306, Jun. 5, 1987	Hazardous Waste Management, Definition of Solid Waste, Technical Corrections	Technical Corrections	261 and 266
52 FR 25760, Jul. 8, 1987	Land Disposal Restrictions for Certain "California List" Hazardous Waste and Modifications to the Framework	Final Rule	260, 261, 262, 264, 265, 268, 270, and 271
52 FR 25942, Jul. 9, 1987	List (Phase 1) of Hazardous Constituents for Ground-Water Monitoring	Final Rule	264 and 270
52 FR 30570, Aug. 14, 1987	Changes to Interim Status and Permitted Facilities for Hazardous Waste Management; Procedures for Post-Closure Permitting	Proposed Rule	265, 270, and 271

52 FR 31948, Aug. 24, 1987	Statistical Methods for Evaluating Ground-Water Monitoring Data From Hazardous Waste Facilities	Proposed Rule	264
52 FR 35838, Sep. 23, 1987	Permit Modifications for Hazardous Waste Management Facilities	Proposed Rule	124, 264, and 270
52 FR 44314, Nov. 18, 1987	Liability Requirements for Hazardous Waste Facilities, Corporate Guarantee	Final Rule	264 and 265
52 FR 45788, Dec. 1, 1987	Hazardous Waste, Codification Rule for the 1984 RCRA Amendments	Final Rule	144, 264, 265, 270, and 271
52 FR 46946, Dec. 10, 1987	Hazardous Waste Miscellaneous Units, Standard, Applicable to Owners and Operators	Final Rule	144, 260, 264, and 270
53 FR 519, Jan. 8, 1988	Identification and Listing of Hazardous Waste; Amendments to Definition of Solid Waste	Proposal Rule and Request for Comment	261
53 FR 11742, Apr. 8, 1988	Land Disposal Restrictions for Restrictions for First Third of Scheduled Wastes	Proposed Rule	264, 265, 268, and 271
53 FR 17578, May 17, 1988	Land Disposal Restrictions for First Third of Scheduled Wastes	Proposed Rule	264, 265, 266, and 268
53 FR 20738, Jun. 6, 1988	Delay of the Closure Period for Hazardous Waste Management Facilities	Proposed Rule	264, 265, and 270
53 FR 27164, Jul. 19, 1988	Farmer Exemptions, Technical Corrections	Technical Corrections	262, 264, 265, 268, and 270
53 FR 28118, Jul. 26, 1988	Underground Injection Control Program, Hazardous Waste Disposal Injection Restrictions, Amendments to Technical Requirements for Class I Hazardous Waste Injection Wells, Additional Monitoring Requirements Applicable to All Class I Wells	Final Rule	124, 144, 146, and 148
53 FR 31138, Aug. 17, 1988	Land Disposal Restrictions for First Third Scheduled Wastes	Final Rule	264, 265, 266, 268 and 271
53 FR 33938, Sep. 1, 1988	Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Liability Coverage	Final Rule	264 and 265
53 FR 34079, Sep. 2, 1988	Hazardous Waste Management System, Standards for Hazardous Waste Storage and Treatment Tank Systems	Final Rule	260, 264, 265, and 270
53 FR 37912, Sep. 28, 1988	Permit Modifications for Hazardous Waste Management Facilities	Final Rule	124, 264, 265, and 270
53 FR 39720, Oct. 11, 1988	Statistical Methods for Evaluating Ground-Water Monitoring Data from Hazardous Waste Facilities	Final Rule	264
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54 FR 3212, Jan, 23, 1989	Hazardous Waste Management System; Testing and Monitoring Activities	Proposed Rule	260, 261, 262, 264, 265, 268, and 270
54 FR 9596, Mar. 7, 1989	Changes to Interim Status Facilities for Hazardous Waste Management, Modifications of Hazardous Waste Management Permits, Procedures for Post-Closure Permitting	Final Rule	124 and 270
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54 FR 33376, Aug. 14, 1989	Delay of Closure Period for Hazardous Waste Management Facilities	Final Rule	264, 265, and 270
54 FR 36967, Sep. 6, 1989	Land Disposal Restrictions	Final Rule and Corrections	148, 266, and 268
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55 FR 11798 Mar. 29, 1990	Hazardous Waste Management System, Identification and Listing of Hazardous Waste, Toxicity Characteristic Revisions	Final Rule	261, 264, 265, 268, 271, and 302
55 FR 17862 Apr. 27, 1990	Standards for Owners and Operators of Hazardous Waste Incinerators and Burning of Hazardous Wastes in Boilers and Industrial Furnaces	Proposed Rule, Supplemental Proposed Rule, Technical Corrections	260, 261, 264, and 270
55 FR 22520 Jun. 1, 1990	Land Disposal Restrictions for Third Third Scheduled Wastes	Final Rule	148, 261, 262, 264, 265, 268, 270, 271, and 302
55 FR 25454 Jun. 21, 1990	Hazardous Waste Treatment, Storage and Disposal Facilities, Organic Air Emission Standards for Process Vents and Equipment Leaks	Final Rule	260, 261, 264, 265, 270 and 271
55 FR 26986 Jun. 29, 1990	Hazardous Waste Management System, Identification and Listing of Hazardous Waste, Toxicity Characteristic	Final Rule and Corrections	261, 264, 265, 268, 271, and 302
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56 FR 2108 Jan. 18, 1991	Hazardous Waste Management System: Amendments To Interim Status Standards for Downgradient Ground-Water Monitoring Well Locations at Hazardous Waste Facilities	Proposed Rule and Notice of Availability	265

56 FR 7134 Feb. 21, 1991	Burning of Hazardous Waste in Boilers and Industrial Furnaces	Final Rule	260, 261, 264, 265, 266, 270 and 271
56 FR 19290 Apr. 26, 1991	Hazardous Waste Treatment, Storage and Disposal Facilities, Organic Air Emission Standards for Process Vents and Equipment Leaks, Technical Amendment	Final Rule and Technical Amendment	264, 265 and 270
56 FR 30192 Jul. 1, 1991	Identification and Listing of Hazardous Waste, Wood Preserving Corrections	Technical Correction	261, 262, 264, 265, 270
56 FR 30201 Jul. 1, 1991	Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities; Financial Responsibility	Proposed Rule	264, 265, 280, and 761
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56 FR 33490 Jul. 22, 1991	Hazardous Waste Treatment, Storage, and Disposal Facilities; Organic Air Emission Standards for Tanks, Surface Impoundments, and Containers	Proposed Rule	60, 260, 264, 265, 270, and 271
56 FR 42504 Aug 27, 1991	Burning of Hazardous Waste in Boilers and Industrial Furnaces	Final Rule and Technical Amendments	261, 265, and 266
56 FR 43574 Sep. 3, 1991	Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Financial Responsibility	Proposed Rule, Extension of Comment Period, Notice of Data Availability	264, 265, 280, and 761
56 FR 47912 Sep 23, 1991	Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Liability Coverage	CFR Correction	265
56 FR 63848 Dec 5, 1991	Wood Preserving; Identification and Listing of Hazardous Waste; Standards for Owners and Operators of Hazardous Waste Treatment; Interim Status for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities; and CERCLA Designation, Reportable Quantities	Notice of Proposed Rulemaking and Request for Comments	261, 264, 265, and 302
56 FR 66365 Dec 23, 1991	Hazardous Waste Management System, Amendments to Interim Status Standards for Downgradient Groundwater Monitoring Well Locations at Hazardous Waste Facilities	Final Rule	260 and 265
57 FR 3462, Jan. 29, 1992	Liners and Leak Detection Systems for Hazardous Waste Land Disposal Units	Notice of Final Rulemaking	260, 264, 265, 270, and 271
57 FR 5859 Feb 18, 1992	Wood Preserving, Identification and Listing of Hazardous Waste, Standards and Interim Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities	Administrative Stay	264, and 265
57 FR 8086 Mar 6, 1992	Land Disposal Restrictions for Third Third Scheduled Wastes	Technical Amendments	148, 264, 265, and 268
57 FR 30657 Jul 10, 1992	Hazardous Waste Management System, Identification and Listing of Hazardous Waste, Toxicity Characteristic	Final Rule and Corrections	261 and 265
57 FR 37194 Aug 18, 1992	Land Disposal Restrictions for Newly Listed Wastes and Hazardous Debris	Final Rule	148, 260, 261, 262, 264, 265, 268, 270 and 271

57 FR 38558 Aug 25, 1992	Burning of Hazardous Waste in Boilers and Industrial Furnaces	Final Rule, Technical Amendments and Corrections	260, 261, 264, 265, and 266
57 FR 41566 Sep 10, 1992	Hazardous Waste Management System, Identification and Listing of Hazardous Waste, Recycled Used Oil Management Standards	Final Rule	260, 261, 266, 271, and 279
57 FR 42832 Sep 16, 1992	Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Financial Responsibility for Third Party Liability, Closure and Post Closure	Final Rule	264 and 265
57 FR 44999 Sep 30, 1992	Burning of Hazardous Waste in Boilers and Industrial Furnaces	Final Rule, Technical Amendments and Corrections	266
57 FR 54452 Nov 18, 1992	Hazardous Waste Management, Liquids in Landfills	Final Rule	260, 264, 265, and 271
57 FR 61492 Dec 24, 1992	Wood Preserving, Identification and Listing of Hazardous Waste, Standards and Interim Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities	Final Rule	261, 264, 265, 271, and 302
58 FR 8102 Feb. 11, 1993	Hazardous Waste Management System; Modification of the Hazardous Waste Recycling Regulatory Program	Proposed Rule	260, 261, 262, 264, 265, 268, 270, and 273
58 FR 8658 Feb. 16, 1993	Corrective Action Management Units and Temporary Units, Corrective Action Provisions Under Subtitle C	Final Rule	260, 264, 265, 268, 270 and 271
58 FR 25706 Apr. 27, 1993	Wood Surface Protection; Identification and Listing of Hazardous Waste; Testing and Monitoring Activities; Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities	Notice of Proposed Rulemaking	260,261, 264, 265, 270and 302
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58 FR 38816 Jul. 20, 1993	Requirements for Preparation, Adoption, and Submittal of Implementation Plans	Final Rule	51, 52, 260, and 266
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58 FR 48092 Sep 14, 1993	Land Disposal Restrictions for Newly Identified and Listed Hazardous Wastes and Hazardous Soil	Proposed Rule	148, 260, 261, 268, and 271
58 FR 59598 Nov. 9, 1993	Burning of Hazardous Waste in Boilers and Industrial Furnaces	Interim Final Rule	266 and 271
59 FR 8583 Feb. 23, 1994	Standards for the Management of Specific Hazardous Wastes; Amendment to Subpart C – Recyclable Materials Used in a Manner Constituting Disposal; Proposed Rule	Proposed Rule and Request for Comment	
59 FR 13891 Mar. 24, 1994	Recordkeeping Instructions	Technical Amendment	264 and 265
59 FR 28680 Jun. 2, 1994	RCRA Expanded Public Participation and Revisions to Combustion Permitting Procedures	Proposed Rule	124 and 270

59 FR 29958 Jun. 10, 1994	Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities, Underground Storage Tanks and Underground Injection Control Systems, Financial Assurance, Letter of Credit	Final Rule and Amendment	144, 264 and 280
59 FR 38536 Jul. 28, 1994	Identification and Listing of Hazardous Waste, Amendments to the Definition of Solid Waste	Final Rule	261 and 266
59 FR 43496 Aug. 24, 1994	Standards for the Management of Specific Hazardous Wastes, Amendment to Subpart C, Recyclable Materials Used in a Manner Constituting Disposal	Final Rule and Response to Comments	266 and 268
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59 FR 55778 Nov. 8, 1994	Standards Applicable to Owners and Operators of Closed and Closing Hazardous Waste Management Facilities; Post-Closure Permit Requirement; Closure Process; State Corrective Action Enforcement Authority	Proposed Rule and Request for Public Comment	264, 265, 270, and 271
59 FR 62926 Dec. 6, 1994	Hazardous Waste Treatment, Storage, and Disposal Facilities and Hazardous Waste Generators; Organic Air Emission Standards for Tanks, Surface Impoundments, and Containers	Final Rule	9, 60, 260, 262, 264, 265, 270, and 271
60 FR 25492 May 11, 1995	Universal Waste Rule Hazardous Waste Management System; Modification of the Hazardous Waste Recycling Regulatory Program	Final Rule	9, 260, 261, 262, 264, 265, 266, 268, 270, and 273
60 FR 26828 May 19, 1995	Hazardous Waste Treatment, Storage, and Disposal Facilities and Hazardous Waste Generators; Organic Air Emission Standards for Tanks, Surface Impoundments, and Containers	Notice of Postponed Effective Date	264, 265, 270, and 271
60 FR 33912 Jun. 29, 1995	Solid Waste, Hazardous Waste, Oil Discharge and Superfund Programs; Removal of Legally Obsolete Rules	Final Rule	110, 259, 261, 266, 267, 270, 271, 300 and 373
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60 FR 37974 Jul. 25, 1995	Hazardous Waste Management System; Testing and Monitoring Activities	Proposed Rule	260, 264, and 265
60 FR 41870 Aug. 14, 1995	Hazardous Waste Treatment, Storage, and Disposal Facilities and Hazardous Waste Generators; Organic Air Emission Standards for Tanks, Surface Impoundments, and Containers	Proposed Rule; Data Availability	9, 60, 260, 262, 264, 265, 270, and 271
60 FR 50426 Sep. 29, 1995	Hazardous Waste Treatment, Storage, and Disposal Facilities and Hazardous Waste Generators; Organic Air Emission Standards for Tanks, Surface Impoundments, and Containers	Final Rule and Administrative Stay	264 and 265
60 FR 56468 Nov. 8, 1995	Military Munitions Rule: Hazardous Waste Identification and Management; Explosives Emergencies; Redefinition of On-Site	Proposed Rule	260, 261, 262, 263, 264, 265, and 270
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61 FR 4903, Feb. 9, 1996	Hazardous Waste Treatment, Storage, and Disposal Facilities and Hazardous Waste Generators; Organic Air	Final Rule and Technical Amendment	262, 264, 265, and 270

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63 FR 56709 Oct. 22, 1998	Standards Applicable to Owners and Operators of Closed and Closing Hazardous Waste Management Facilities, Post-Closure Permit Requirement and Closure Process	Final Rule	264, 265, 270, and 271
63 FR 65873 Nov. 30, 1998	Hazardous Remediation Waste Management Requirements (HWIR-media)	Final Rule	260, 261, 264, 265, 268, 270 and 271
63 FR 71225 Dec. 24, 1998	Universal Waste Rule, Hazardous Waste Management System, Modification of the Hazardous Waste Recycling Regulatory Program	Final Rule and Correcting Amendments	266 and 273
64 FR 3381 Jan. 21, 1999	Hazardous Waste Treatment, Storage, and Disposal Facilities and Hazardous Waste Generators, Organic Air Emission Standards for Tanks, Surface Impoundments, and Containers	Final Rule	262, 264, and 265
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64 FR 36465 Jul. 6, 1999	Hazardous Waste Management System, Modification of the Hazardous Waste Program, Hazardous Waste Lamps	Final Rule	260, 261 264, 265, 268, 270 and 273
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64 FR 52828 Sep. 30, 1999	NESHAPS, Final Standards for Hazardous Air Pollutants for Hazardous Waste Combustors	Final Rule	60, 63, 260, 261, 264, 265, 266, 270, 271
64 FR 63209 Nov. 19, 1999	Final Standards for Hazardous Air Pollutants for Hazardous Waste Combustors	Final Rule and Technical Correction	63, 261, and 266

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65 FR 12378 Mar. 8, 2000	180-Day Accumulation Time Under RCRA for Waste Water Treatment Sludges From the Metal Finishing Industry	Final Rule	262
65 FR 14472 Mar. 17,2000	Organobromine Production Wastes; Identification and Listing of Hazardous Waste; Land Disposal Restrictions; Listing of CERCLA Hazardous Substances, Reportable Quantities	Final Rule	148, 261, 268, 271, and 302
65 FR 30886 May 15, 2000	Amendments to Streamline the National Pollutant Discharge Elimination System Program Regulations: Round Two	Final Rule	22, 117, 122, 123, 124, 125, 144, 270, and 271
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66 FR 35087 Jul. 3, 2001	NESHAP, Standards for Hazardous Air Pollutants for Hazardous Waste Combustors	Direct Final Rule	63 and 264
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66 FR 58258 Nov. 20, 2001	Hazardous Waste Management System; Identification and Listing of Hazardous Waste: Inorganic Chemical Manufacturing Wastes; Land Disposal Restrictions for Newly Identified Wastes; and CERCLA Hazardous Substance Designation and Reportable Quantities	Final Rule.	148, 261, 268, 271, and 302
67 FR 2518 Jan. 17, 2002	Resource Conservation and Recovery Act Burden Reduction Initiative	Proposed Rule	260, 261, 264, 265, 266, 268, 270, and 271
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67 FR 6792 Feb. 13, 2002	NESHAP, Interim Standards for Hazardous Air Pollutants for Hazardous Waste Combustors (Interim Standards Rule)	Final Rule	63, 264, 265, 266, 270, and 271
67 FR 6968 Feb. 14, 2002	NESHAP: Standards for Hazardous Air Pollutants for Hazardous Waste Combustors (Final Amendments Rule)	Final Rule	63, 266, and 270
67 FR 11251 Mar. 13, 2002	Hazardous Waste Management System; Definition of Solid Waste; Toxicity Characteristic	Final Rule; Response to court order vacating regulatory provisions	261
67 FR 40508 Jun. 12, 2002	Hazardous Waste Management System; Modification of the Hazardous Waste Program; Cathode Ray Tubes and Mercury-Containing Equipment	Proposed Rule	260, 261, 264, 268, 270, and 273
67 FR 48393 Jul. 24, 2002	Zinc Fertilizers Made from Recycled Hazardous Secondary Materials	Final Rule	261, 266, 268 and 271
67 FR 62618 Oct. 7, 2002	Land Disposal Restrictions: National Treatment Variance To Designate New Treatment Subcategories for Radioactively Contaminated Cadmium-, Mercury-, and Silver-Containing Batteries	Direct Final Rule	268 and 271
67 FR 66252 Oct. 30, 2002	Waste Management System; Testing and Monitoring Activities; Proposed Rule: Methods Innovation Rule	Proposed Rule and Notice of Availability	63, 258, 260, 261, 264, 265, 266, 270, 271, and 279
67 FR 77687 Dec. 19, 2002	NESHAP: Standards for Hazardous Air Pollutants for Hazardous Waste Combustors-Corrections	Technical Correction	63 and 270

68 FR 44659 Jul. 30, 2003	Hazardous Waste Management System; Identification and Listing of Hazardous Waste; Recycled Used Oil Management Standards	Final Rule	261 and 279
69 FR 21198 Apr. 20, 2004	National Emission Standards for Hazardous Air Pollutants: Proposed Standards for Hazardous Air Pollutants for Hazardous Waste Combustors (Phase I Final Replacement Standards and Phase II)	Proposed Rule	63, 264, 265, 266, 270, and 271
69 FR 22601 Apr. 26, 2004	National Emission Standards for Hazardous Air Pollutants, Surface Coating of Automobiles and Light-Duty Trucks	Final Rule	63, 264 and 265
69 FR 41576 Jul. 9, 2004	National Pollutant Discharge Elimination SystemFinal Regulations to Establish Requirements for Cooling Water Intake Structures at Phase II Existing Facilities	Final Rule	9, 122, 123, 124, and 125
70 FR 9138 Feb. 24, 2005	Hazardous Waste Management System; Identification and Listing of Hazardous Waste; Dyes and/or Pigments Production Wastes; Land Disposal Restrictions for Newly Identified Wastes; CERCLA Hazardous Substance Designation and Reportable Quantities; Designation of Five Chemicals as Appendix VIII Constituents; Addition of Four Chemicals to the Treatment Standards of F039 and the Universal Treatment Standards	Final Rule	148, 261, 268, 271, and 302
70 FR 10775 Mar. 4, 2005	Hazardous Waste Management System, Modification of the Hazardous Waste Manifest System	Final Rule	260, 261, 262, 263, 264, 265, and 271
70 FR 34538 Jun. 14, 2005	Waste Management System, Testing and Monitoring Activities, Methods Innovation Rule and SW-846 Final Update IIIB	Final Rule	63, 258, 260, 261, 264, 265, 266, 268, 270, 271, and 279
70 FR 35034 Jun. 16, 2005	Hazardous Waste Management System, Modification of the Hazardous Waste Manifest System, Correction	Final Rule and Correcting Amendments	262, 264, and 265
70 FR 44150 Aug. 1, 2005	Waste Management System, Testing and Monitoring Activities, Methods Innovation Rule and SW-846 Final Update IIIB	Final Rule Corrections	258, 261, and 264
70 FR 45508 Aug. 5, 2005	Hazardous Waste Management System, Modification of the Hazardous Waste Program, Mercury Containing Equipment [fluorescent lights as "Universal Waste"]	Final Rule	260, 261, 264, 265, 268, 270, and 273
70 FR 53420 Sep. 8, 2005	Hazardous Waste Management System; Standardized Permit for RCRA Hazardous Waste Management Facilities	Final Rule	124, 260, 261, 267, and 270
70 FR 57769 Oct. 4, 2005	Revision of Wastewater Treatment Exemptions for Hazardous Waste Mixtures ("Headworks Exemptions")	Final Rule	261
70 FR 59402 Oct. 12, 2005	National Emission Standards for Hazardous Air Pollutants, Final Standards for Hazardous Air Pollutants for Hazardous Waste Combustors (Phase I Final Replacement Standards and Phase II)	Final Rule	9, 63, 260, 264, 265, 266, 270 and 271
71 FR 16862 Apr. 4, 2006	Resource Conservation and Recovery Act Burden Reduction Initiative	Final Rule	260, 261, 264, 265, 266, 268, 270, and 271
71 FR 40254 Jul. 14, 2006	Hazardous Waste and Used Oil, Corrections to Errors in the Code of Federal Regulations	Final Rule	260, 261, 262, 264, 265, 266, 267, 268, 270, 271, 273, and 279
71 FR 42928 Jul. 28, 2006	Hazardous Waste Management System; Modification of the Hazardous Waste Program; Cathode Ray Tubes	Final Rule	9, 260, 261, and 271

73 FR 18970 Apr. 8, 2008	NESHAP, National Emission Standards for Hazardous Air Pollutants, Standards for Hazardous Waste Combustors, Amendments	Final Rule	63, 264 and 266
73 FR 31756 Jun. 4, 2008	Hazardous Waste Management System: Identification and Listing of Hazardous Waste; Amendment to Hazardous Waste Code F019	Final Rule	261 and 302
73 FR 58388 Oct. 6, 2008	Revisions to: The Requirements for Transboundary Shipments of Wastes Between OECD Countries, the Requirements for Export Shipments of Spent Lead-Acid Batteries, the Requirements on Submitting Exception Reports for Export Shipments of Hazardous Wastes, and the Requirements for Imports of Hazardous Wastes	Proposed Rule	262, 264, 265, 266, and 271
73 FR 64668 Oct. 30, 2008	Revisions to the Definition of Solid Waste	Final Rule	260, 261, and 270
73 FR 72912 Dec. 1, 2008	Standards Applicable to Generators of Hazardous Waste; Alternative Requirements for Hazardous Waste Determination and Accumulation of Unwanted Material at Laboratories Owned by Colleges and Universities and Other Eligible Academic Entities Formally Affiliated With Colleges and Universities	Final Rule	261 and 262
73 FR 77954 Dec. 19, 2008	Expansion of RCRA Comparable Fuel Exclusion	Final Rule	261
74 FR 30228 Jun. 25, 2009	Reorganization and Name Change for the Office of Solid Waste (OSW) Within the Office of Solid Waste and Emergency Response	Final Rule	1, 40, 63, 260, 261, 262, 266, 271, 750 and 761

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Date	Title	Action	Parts
75 FR 1236 Jan. 8, 2010	Revisions to the Requirements for Transboundary Shipments of Hazardous Wastes Between OECD Member Countries, Export Shipments of Spent Lead-Acid Batteries, Submitting Exception Reports for Export Shipments of Hazardous Wastes, and Imports of Hazardous Wastes	Final Rule	262, 263, 264, 265, 266, and 271
75 FR 12989 Mar. 18, 2010	Hazardous Waste Technical Corrections and Clarifications Rule	Direct Final Rule	260, 261, 262, 263, 264, 265, 266, 268 and 270
75 FR 20942 Apr.22, 2010	Hazardous Waste Management System; Identification and Listing of Hazardous Waste; Removal of Saccharin and Its Salts from the Lists of Hazardous Constituents, Hazardous Wastes, and Hazardous Substances	Proposed Rule	261, 268 and 302
75 FR 31716 Jun. 4, 2010	Hazardous Waste Technical Corrections and Clarifications Rule	Partial Withdrawal of Direct Final Rule	260, 261, 262, 263, 264, 265, 266, 268, and 270
75 FR 33712 Jun.15, 2010	Withdrawal of the Emission-Comparable Fuel Exclusion Under RCRA	Final rule	261
75 FR 78918 Dec. 17, 2010	Hazardous Waste Management System; Identification and Listing of Hazardous Waste; Removal of Saccharin and Its Salts From the Lists of Hazardous Constituents, Hazardous Wastes, and Hazardous Substances	Final Rule	261, 268, and 302
75 FR 79304 Dec. 20, 2010	Technical Corrections to the Standards Applicable to Generators of Hazardous Waste; Alternative Requirements for Hazardous Waste Determination and Accumulation of Unwanted Material at Laboratories Owned by Colleges and Universities and Other Eligible Academic Entities Formally Affiliated With Colleges and Universities	Direct Final Rule	262

76 FR 34147 Jun. 13, 2011	Land Disposal Restrictions: Revision of the Treatment Standards for Carbamate Wastes	Direct Final Rule	268 and 271
76 FR 44094 Jul. 22, 2011	Definition of Solid Waste	Proposed Rule	260, 261 and 266
77 FR 22229 Apr. 13, 2012	Hazardous Waste Technical Corrections and Clarifications Rule	Final Rule	261 and 266
77 FR 50622 Aug. 22, 2012	Land Disposal Restrictions: Site Specific Treatment Variance for Hazardous Selenium-Bearing Waste Treated by U.S. Ecology Nevada, Beatty, NV	Final Rule	268
78 FR 5281 Jan. 25, 2013	Revisions to Procedural Rules To Clarify Practices and Procedures Applicable in Permit Appeals Pending before the Environmental Appeals Board	Final Rule	124 and 270
78 FR 46448 Jul. 31, 2013	Conditional Exclusions From Solid Waste and Hazardous Waste for Solvent-Contaminated Wipes	Final Rule	260 and 261
79 FR 350 Jan. 3, 2014	Hazardous Waste Management System: Conditional Exclusion for Carbon Dioxide (CO2) Streams in Geologic Sequestration Activities	Final Rule	9, 260 and 261
79 FR 7518 Feb. 7, 2014	Hazardous Waste Manifest System: Modification of the Hazardous Waste Manifest System; Electronic Manifests	Final Rule	260, 262, 263, 264, 265, and 271
79 FR 36220 Jun. 26, 2014	Revisions to the Export Provisions of the Cathode Ray Tube (CRT) Rule	Final Rule	260 and 261
80 FR 1694 Jan. 13, 2015	Definition of Solid Waste	Final Rule	260 and 261
80 FR 18777 Apr. 8, 2015	Response to Vacaturs of the Comparable Fuels Rule and the Gasification Rule	Final Rule	260 and 261
80 FR 57918 Sep.25, 2015	Hazardous Waste Generator Improvements	Proposed Rule	260, 261, 262, 263, 264, 265, 268, 270, 273, and 279
80 FR 58014 Sep.25, 2015	Management Standards for Hazardous Waste Pharmaceuticals; Proposed Rule	Proposed Rule	261, 262, 266, 268, and 273
80 FR 63284 Oct 19, 2015	Hazardous Waste Export-Import Revisions; Proposed Rule	Proposed Rule	260, 261, 262, 263, 264, 265, 266, 267, 271 and 273
81 FR 85696 Nov 28, 2016	Hazardous Waste Export-Import Revisions; Final Rule	Final Rule	260, 261, 262, 263, 264, 265, 266, 267, 271 and 273
Nov. 28, 2016	Hazardous Waste Generator Improvements Rule	Final Rule	257, 258, 260, 261, 262, 263, 264, 265, 266, 267, 268, 270, 271, 273, and 279
82 FR 41015 Aug. 29, 2017	AES Filing Compliance Date for Hazardous Waste Exports	Notice of announcement of compliance date.	N/A
82 FR 60894 Dec. 26, 2017	Confidentiality Determinations for Hazardous Waste Export and Import Documents	Final Rule	260, 261, and 262
83 FR 420 Jan. 3, 2018	Hazardous Waste Management System; User Fees for the Electronic Hazardous Waste Manifest System and Amendments to Manifest Regulations	Final Rule	260, 262, 263, 264, 265, and 271
83 FR 24664 May 30, 2018	Response to Vacatur of Certain Provisions of the Definition of Solid Waste Rule	Final Rule	260 and 261

83 FR 38262 Aug. 6, 2018	Address Change for Waste Import-Export Submittals From the Office of Federal Activities to the Office of Resource	Final Rule	261 and 262
00 ED 04550	Conservation and Recovery	linto vivos fivo al vivila	200 204 and
83 FR 61552	Safe Management of Recalled Airbags	Interim final rule with request for	, ,
Nov. 30, 2018		comments	202
84 FR 5816	Management Standards for Hazardous Waste Pharmaceuticals	Final Rule	261, 262, 264,
Feb. 22, 2019	and Amendment to the P075 Listing for Nicotine		265, 266, 268,
			270, and 273
84 FR 67202	Increasing Recycling: Adding Aerosol Cans to the Universal	Final Rule	260, 261, 264,
Dec. 9, 2019	Waste Regulations		265, 268, 270,
,			and 273

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Date	Title	Action	Parts
85 FR 40594 Jul. 7, 2020	Modernizing Ignitable Liquids Determinations	Final Rule	63, 260, 261, and 278
86 FR 54381 Oct. 1, 2021	Conforming Changes to Canada-Specific Hazardous Waste Import-Export Recovery and Disposal Operation Codes	Final Rule	262, 264 and 265
86 FR 71482 Dec. 16, 2021	Modernizing Public Notice for RCRA Hazardous Waste Permitting and Other Actions	Notice	[none]
87 FR 19290 Apr. 1, 2022	Integrating e-Manifest with Hazardous Waste Exports and Other Manifest-related Reports, PCB Manifest Amendments and Technical Corrections	Proposed Rule	260, 261, 262, 263, 264, 265, and 267
88 FR 16732 Mar. 20, 2023	EPA Method 23-Determination of Polychlorinated Dibenzo-p- Dioxins and Polychlorinated Dibenzofurans From Stationary Sources	Final Rule	60, 63, and 266
88 FR 54086 Aug. 9, 2023	Hazardous Waste Generator Improvements Rule, the Hazardous Waste Pharmaceuticals Rule, and the Definition of Solid Waste Rule; Technical Corrections	Direct Final Rule	260, 261, 262, 264, 265, 266, 270, 271, and 441
88 FR 84710 Dec. 6, 2023	Hazardous Waste Generator Improvements Rule, the Hazardous Waste Pharmaceuticals Rule, and the Definition of Solid Waste Rule; Technical Corrections	Partial withdrawal of direct final rule	261, 262, and 266
89 FR 8598 Feb. 8, 2024	Definition of Hazardous Waste Applicable to Corrective Action for Releases from Solid Waste Management Units	Proposed Rule	260, 261, and 270
89 FR 8606 Feb. 8, 2024	Listing of Specific Per- and Polyfluoroalkyl Substances as Hazardous Constituents	Proposed Rule	261 and 271
89 FR 60692 Jul. 26, 2024	Integrating e-Manifest With Hazardous Waste Exports and Other Manifest-Related Reports, PCB Manifest Amendments, and Technical Corrections	Final Rule	260, 261, 262, 263, 264, 265, 267, 270, 271, and 761
89 FR 82682 Oct. 11, 2024	Phasedown of Hydrofluorocarbons: Management of Certain Hydrofluorocarbons and Substitutes Under the American Innovation and Manufacturing Act of 2020	Final Rule	84, 261, 262, 266, 270, and 271
89 FR 86758 Oct. 31, 2024	Integrating e-Manifest With Hazardous Waste Exports and Other Manifest-Related Reports, PCB Manifest Amendments, and Technical Corrections; Correction	Final Rule, Correction	262
89 FR 99727 Dec. 11, 2024	Hazardous Waste Generator Improvements Rule, the Hazardous Waste Pharmaceuticals Rule, and the Definition of Solid Waste Rule; Technical Corrections	Final Rule	261, 262, and 266

Note: For more Federal Register Notices and supporting documents, search $\underline{\text{regulations.gov}}$ or $\underline{\text{federalregister.gov}}$.

Specific CFR Parts Related to Hazardous Waste Management

Chapter I EPA regulations, Subchapter I Solid Waste

The regulations governing hazardous waste identification, classification, generation, management and disposal are found in title 40 CFR parts 260 through 273.

- Part 260 Hazardous Waste Management System: General.
- Part 261 Identification And Listing Of Hazardous Waste.
- Part 262 Standards Applicable To Generators Of Hazardous Waste.
- Part 263 Standards Applicable To Transporters Of Hazardous Waste.
- Part 264 Standards For Owners And Operators Of Hazardous Waste Treatment, Storage, and Disposal Facilities.
- Part 265 Interim Status Standards For Owners And Operators Of Hazardous Waste Treatment, Storage, and Disposal Facilities.
- Part 266 Standards For The Management Of Specific Hazardous Wastes And Specific Types Of Hazardous Waste Management Facilities.
- Part 267 Standards For Owners And Operators Of Hazardous Waste Facilities Operating Under A Standardized Permit.
- Part 268 Land Disposal Restrictions.
- Part 270 EPA Administered Permit Programs: The Hazardous Waste Permit Program.
- Part 271 Requirements For Authorization Of State Hazardous Waste Programs.
- Part 272 Approved State Hazardous Waste Management Programs.
- Part 273 Standards For Universal Waste Management.

Permitting Decisionmaking Procedures for Air, Waste and Waste Programs (including RCRA) are in the Subchapter D Water Program regulations of Chapter I EPA regulations.

Part 124 – Procedures for Decisionmaking