



Environment, Safety and Health

ES&H Guideline

ESH-US-G-121

Waste Disposal

Please Note

1. This Guideline is specifically meant for use by companies and operations in the United States.
2. The Guideline (including the external references) is regularly updated by ES&H International. Please check that this is the current, up-to-date version before using any of the information below. **Highlighted text** indicates changes incorporated in the latest update.
3. Please refer to our [disclaimer](#) before using this Guideline.

Contents

1. Scope	2
2. Objectives	2
3. Definitions	2
4. Issues to be Addressed	2
4.1. Handling of Wastes	2
4.2. Transport of Wastes	2
4.3. Incidents and Emergencies	3
4.4. Used Packaging Materials	3
4.5. Waste Discharges to the Environment	3
5. Responsibilities	3
6. Related ES&H Guidelines	4
7. External References	4
7.1. Acts and Regulations	4
7.2. Compliance Directives and Rules	6
7.3. Management System Standards	7
7.4. ANSI Standards	7
7.5. International Standards	8
7.6. Publications	9

1. Scope

This Guideline covers the requirements associated with the disposal of wastes generated by the Company's operation. It includes handling of wastes and transport of wastes (including by contractors).

For general issues related to waste management, refer ES&H Guideline [ESH-US-G-063](#).
For issues related to waste treatment, refer ES&H Guideline [ESH-US-G-066](#).

2. Objectives

To ensure that waste disposal is carried out so as to minimize impact on the environment and the safety and health of personnel and others who may be exposed to hazardous waste.

3. Definitions

None.

4. Issues to be Addressed

The major issues addressed in this guideline are as follows:

4.1. Handling of Wastes

The handling of wastes which are hazardous substances shall be in accordance with ES&H Guideline [ESH-US-G-024](#).

Material Safety Data Sheets shall be available to all personnel dealing with, or exposed to, waste. Refer ES&H Guideline [ESH-US-G-023](#).

4.2. Transport of Wastes

Transport of waste for off-site disposal shall be in accordance with ES&H Guideline [ESH-US-G-055](#).

Contractors used for the transport or disposal of waste shall be qualified and, where applicable, licensed. Refer ES&H Guideline [ESH-US-G-022](#).

To ensure waste taken by contractors is properly disposed of, and to avoid liability for negligent discharge which may harm the environment, arrangements shall be put in place to ensure that the written agreement with the contractor includes at least the following:

- Specific instructions that the waste must be transported, treated and disposed of in a way that complies with all applicable legislation and does not harm the environment.
- Transfer of ownership of the waste from the Company to the contractor.

- Evidence by the contractor that it possesses all the necessary licenses and that the persons who carry out the work are qualified and experienced.
- Requirement for the immediate notification of spills, leaks or any other uncontrolled discharges or accidents.

4.3. Incidents and Emergencies

All transport incidents shall be immediately reported and be the subject of an investigation and corrective action (refer ES&H Guidelines [ESH-US-G-006](#) and [ESH-US-G-005](#)).

For transport emergencies, involving waste shipped from site, refer ES&H Guideline [ESH-US-G-015](#).

For prevention and control of transport spills, refer ES&H Guideline [ESH-US-G-110](#).

4.4. Used Packaging Materials

For requirements related to the disposal of used packaging materials of the Company's own products, refer ES&H Guideline [ESH-US-G-020](#). For other used packaging materials, refer ES&H Guideline [ESH-US-G-054](#).

4.5. Waste Discharges to the Environment

Where wastes may be discharged to the environment under conditions stipulated in a license from an authority (e.g. EPA), any departure from these conditions (e.g. larger quantities, higher frequency of discharge, substances not stipulated, etc) shall be treated as an incident (refer ES&H Guideline [ESH-US-G-006](#)) and the appropriate corrective action shall be applied (refer ES&H Guideline [ESH-US-G-005](#)). Where required, such instances shall also be reported to the relevant authority.

For requirements related to instruments used for the measurement of discharge of wastes to the environment, refer ES&H Guideline [ESH-US-G-060](#).

5. Responsibilities

The following personnel should typically assume the primary responsibility for the activities covered by this guideline:

- ES&H Manager
- Operations Manager
- Line Managers
- ES&H Specialists
- Personnel involved in waste treatment and disposal

6. Related ES&H Guidelines

ESH-US-G-005	Corrective and Preventative Action
ESH-US-G-006	Incident Investigation and Reporting
ESH-US-G-015	Emergency Preparedness and Response
ESH-US-G-020	Product Safety
ESH-US-G-022	Contractors' Management
ESH-US-G-023	Material Safety Data Sheets
ESH-US-G-024	Toxic and Hazardous Substances
ESH-US-G-054	Storage and Warehousing
ESH-US-G-055	Transport of Materials and Goods
ESH-US-G-060	Instrumentation and Control Systems
ESH-US-G-063	Management of Wastes
ESH-US-G-064	Waste Minimization
ESH-US-G-065	Re-use and Recycling
ESH-US-G-066	Waste Treatment
ESH-US-G-110	Transport Spills Prevention and Control

7. External References

This section includes references to external (i.e. not controlled by the company or the organization) references specifically related to the issues covered by this Guideline. These include acts, regulations, directives, management system standards, ANSI standards, international standards and publications.

Please Note

Click on any of the links below to access the relevant web site and gain access to the required documentation, as referenced below.

7.1. Acts and Regulations

OSHA (Occupational Safety and Health Administration)

<http://www.osha.gov>

Occupational Safety and Health Act of 1970 - Section 6 (as amended September 1998)

OSHA Regulations (Standards - 29 CFR) 1910 - Occupational Safety and Health Standards

Subpart H - Hazardous Materials

1910.119 - Process Safety Management of Highly Hazardous Chemicals

1910.119 Appendix C - Compliance Guidelines and Recommendations for Process Safety Management (Nonmandatory)

1910.120 - Hazardous Waste Operations and Emergency Response

Subpart Z - Toxic and Hazardous Substances

1910.1030 - Bloodborne pathogens

OSHA Regulations (Standards - 29 CFR) 1926 - Safety and Health Regulations for Construction

Subpart D - Occupational Health and Environmental Controls

1926.64 - Process Safety Management of Highly Hazardous Chemicals

1926.64 Appendix C - Compliance Guidelines and Recommendations for Process Safety Management (Nonmandatory)
Subpart D - Occupational Health and Environmental Controls, 1926.65 - Hazardous Waste Operations and Emergency Response.
Subchapter O - Sewage Sludge (Parts 501-503)

EPA (Environment Protection Agency)

<http://www.epa.gov>

The Federal Water Pollution Control Act of 1972 (FWPCA)

The Solid Waste Disposal Act of 1976 (SWDA)

1970 Pollution Prevention Packaging Act

1988 Medical Waste Tracking Act

CFR Title 40: Protection of Environment

Subchapter C - Air Programs

Part 61 - National Emission Standards for Hazardous Air Pollutants

Subchapter D - Water Programs

Part 110 - Discharge of Oil

Part 116 - Designation of Hazardous Substances

Part 117 - Determination of Reportable Quantities for Hazardous Substances

Part 125 - Criteria and Standards for the National Pollutant Discharge Elimination System

Part 129 - Toxic Pollutant Effluent Standards

Part 144 - Underground Injection Control Program

Part 145 - State UIC Program Requirements

Part 146 - Underground Injection Control Program: Criteria and Standards

Part 147 - State Underground Injection Control Programs

Part 148 - Hazardous Waste Injection Restrictions

Subchapter F - Radiation Protection Programs (Parts 190-197)

Part 191 - Environmental Radiation Protection Standards for Management and Disposal of Spent Nuclear Fuel, High-Level and Transuranic Radioactive Wastes

Part 194 - Criteria for the Certification and Re-Certification of the Waste Isolation Pilot Plant's Compliance with the 40 CFR Part 191 Disposal Regulations

Subchapter H - Ocean Dumping (Parts 220-238)

Subchapter I - Solid Wastes (Parts 239-282)

Subchapter N - Effluent Guidelines and Standards (Parts 400-471)

Subchapter O - Sewage Sludge (Parts 501-503)

MSHA (Mine Safety and Health Administration)

<http://www.msha.gov>

Federal Mine Safety & Health Act of 1977 (as amended by the Federal Mine Safety and Health Amendments Act of 1977) (as amended by the Mine Improvement and New Emergency Response Act of 2006, June 2006)

MSHA Regulations (Standards - 30 CFR)

Part 56 - Safety and Health Standards - Surface Metal and Nonmetal Mines

Subpart C - Fire Prevention and Control

56.4104 - Combustible Waste

Part 57 - Safety and Health Standards - Underground Metal and Nonmetal Mines

Subpart S - Miscellaneous

57.20013 - Waste Receptacles

Part 77 - Mandatory Safety Standards - Surface Coal Mines and Surface Work Areas of Underground Coal Mines

Subpart C - Surface Installations
77.214 - Refuse Piles; General
77.215 - Refuse Piles, Construction Requirements
77.215-1 - Refuse Piles; Identification
77.215-2 - Refuse Piles; Reporting Requirements
77.215-3 - Refuse Piles; Certification
77.215-4 - Refuse Piles; Abandonment.

7.2. Compliance Directives and Rules

OSHA (Occupational Safety and Health Administration)

<http://www.osha.gov>

- CPL 02-02-045 - Process Safety Management of Highly Hazardous Chemicals – Compliance Guidelines and Enforcement Procedures
- CPL 02-02-071 - Technical Enforcement and Assistance Guidelines for Hazardous Waste Site and RCRA Corrective Action Clean-up Operations, November 2003

EPA (Environment Protection Agency)

<http://www.epa.gov>

- Final Rule 70 FR 70513 – Revision to the Federal UIC Requirements for Class I Municipal Disposal Wells in Florida - November 22, 2005
- Final Rule RIN 2040-AD70 - National Pollutant Discharge Elimination System-- Final Regulations To Establish Requirements for Cooling Water Intake Structures at Phase III Facilities, June 2006 (relates to 40 CFR Parts 9, 122, 123, 124, and 125)
- Final Rule RIN 2040-AD85 - National Pollutant Discharge Elimination System-- Amendment of Final Regulations Addressing Cooling Water Intake Structures for New Facilities (40 CFR Part 125) – June 2003
- Final Rule RIN 2040-AE81 - Amendments to the National Pollutant Discharge Elimination System (NPDES) Regulations for Storm Water Discharges Associated With Oil and Gas Exploration, Production, Processing, or Treatment Operations or Transmission Facilities, June 2006 (relates to 40 CFR Part 122)
- Final Rule RIN 2040-AE83 - National Primary Drinking Water Regulations for Lead and Copper: Short-Term Regulatory Revisions and Clarifications (relates to 40 CFR Parts 141 and 142), October 10, 2007
- Final rule RIN 2050-AE21 - Hazardous Waste Management System; Modification of the Hazardous Waste Manifest System, March 2005 (relates to 40 CFR Parts 260, 261, 262, 263, 264, 265, and 271)
- Final Rule RIN 2050-AG35 - NESHAP: National Emission Standards for Hazardous Air Pollutants: Standards for Hazardous Waste Combustors: Reconsideration (relates to 40 CFR Part 63); effective October 28, 2008
- Final Rule RIN 2060-AN83 - National Ambient Air Quality Standards for Lead (relates to 40 CFR Parts 50, 51, 53 and 58); effective November 12, 2008
- Final rule; correcting amendments RIN 2050-AE21 - Hazardous Waste Management System; Modification of the Hazardous Waste Manifest System; Correction, June 2005 (relates to 40 CFR Parts 262, 264, and 265)
- Notice of Availability FRL-8720-7; EPA-HQ-OW-2005-0007 - Final National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges From Industrial Activities; effective date September 29, 2008

- Proposed Rule RIN 2025-AA14 - Toxics Release Inventory Burden Reduction Proposed Rule, October 2005 (relates to 40 CFR Part 372)
- Proposed Rule RIN 2040-AE81 - Amendments to the National Pollutant Discharge Elimination System (NPDES) Regulations for Storm Water Discharges Associated With Oil and Gas Exploration, Production, Processing, or Treatment Operations, or Transmission Facilities, December 2005 (relates to 40 CFR Part 122)
- Proposed rule RIN 2060-AG31 - Standards of Performance for New Stationary Sources and Emission Guidelines for Existing Sources: Other Solid Waste Incineration Units (relates to 40 CFR Part 60)

7.3. Management System Standards

<http://www.iso.ch/iso/en/ISOOnline.frontpage>

ISO 9001-2008 Quality Management Systems - Requirements (Sections 7.1, 7.2 and 7.5)

ISO 14001-2004 Environmental Management Systems - Requirements with Guidance for Use (Sections 4.3.1 and 4.4.6)

<http://www.ilo.org/public/english/protection/safework/index.htm>

ILO-OHS-2000 Guidelines on Occupational Health and Safety Management Systems (Section 3.10)

<http://bsonline.techindex.co.uk>

OHSAS 18001-1999 Occupational Health and Safety Management Systems - Specification (Sections 4.3.1 and 4.4.6)

7.4. ANSI Standards

Please Note

This section includes ANSI Standards and other standards available from ANSI; however, not all standards are available online from the ANSI web site.

<http://web.ansi.org>

ANSI T2.13.4-1994 Recommendations for conservation, maintenance, and disposal of hydraulic fluids - Information report (DOD approved)

ANSI Z245.1-1999 Refuse Collection, Processing, and Disposal Equipment - Mobile Refuse Collection and Compaction Equipment - Safety Requirements

ANSI Z245.2-1997 Equipment Technology and Operations for Wastes and Recyclable Materials -Stationary Compactors - Safety Requirements

ANSI Z245.30-1999 Refuse Collection, Processing, and Disposal Equipment - Waste Containers - Safety Requirements

ANSI Z245.41-1997 Equipment Technology and Operations for Wastes and Recyclable Materials - Facilities for the Processing of Commingled Recyclable Materials - Safety Requirements

ANSI Z245.5-1997 Equipment Technology and Operations for Wastes and Recyclable Materials - Baling Equipment - Safety Requirements

ANSI Z245.60-1999 Refuse Collection, Processing, and Disposal Equipment - Waste Containers - Compatibility Dimensions

ANSI/ASAE EP403.2 Design of Anaerobic Lagoons for Animal Waste Management

- ANSI/ASME QHO-1-2004 Qualification and Certification of Hazardous Waste Incinerator Operators (revision of ANSI/ASME QHO-1-1994): 1/20/2004
- ANSI/NFPA 820-2003 Standard for Fire Protection in Wastewater Treatment and Collection Facilities (revision of ANSI/NFPA 820-1999): 8/7/2003
- ASAE EP403.3 Design of Anaerobic Lagoons for Animal Waste Management
- ASTM C890-91(1999) Standard Practice for Minimum Structural Design Loading for Monolithic or Sectional Precast Concrete Water and Wastewater Structures
- ASTM C913-02 Standard Specification for Precast Concrete Water and Wastewater Structures
- ASTM D4844-88(1998) Standard Guide for Air Monitoring at Waste Management Facilities for Worker Protection
- ASTM D5088-02 Standard Practice for Decontamination of Field Equipment Used at Nonradioactive Waste Sites
- ASTM D5177-91(1996) Standard Guide for Waste Acceptance at Hazardous Waste Incinerators
- ASTM D5608-01 Standard Practice for Decontamination of Field Equipment Used at Low Level Radioactive Waste Sites
- ASTM D6346-98 Standard Guide for Accepting, Segregating and Packaging Materials Collected Through Household Hazardous Waste Programs
- ASTM D6498-99(2002) Standard Guide for Household Hazardous Waste Training Outline for Household Hazardous Waste Collection Operations
- ASTM E1451-98 Standard Guide for Disposal of Wastes Containing Silicon Carbide Whiskers and Fibers
- DIN EN 12050-1 Wastewater lifting plants for buildings and sites - Principles of construction and testing - Part 1: Lifting plants for wastewater containing faecal matter; English version of DIN EN 12050-1
- DIN EN 12050-2 Wastewater lifting plants for buildings and sites - Principles of construction and testing - Part 2: Lifting plants for faecal-free wastewater; English version of DIN EN 12050-2
- DIN EN 12050-3 Wastewater lifting plants for buildings and sites - Principles of construction and testing - Part 3: Lifting plants for wastewater containing faecal matter for limited applications; English version of DIN EN 12050-3
- DIN EN 12050-4 Wastewater lifting plants for buildings and sites - Principles of construction and testing - Part 4: Non-return valves for faecal-free wastewater and wastewater containing faecal matter; English version of DIN EN 12050-4
- DIN EN 12574-3 Stationary waste containers - Part 3: Safety and health requirements; English version of DIN EN 12574-3
- DIN EN 840-6 Mobile waste containers - Part 6: Safety and health requirements
- DIN EN 840-6/A1 Mobile waste containers - Part 6: Safety and health requirements; English version of DIN EN 840-6:1997/A1:2000

7.5. International Standards

<http://www.iso.ch/iso/en/ISOOnline.frontpage>

ISO 11932:1996	Activity Measurements of Solid Materials Considered for Recycling, Re-Use or Disposal as Non-Radioactive Waste
ISO 5667-1:1980	Water Quality - Sampling - Part 1: Guidance on the Design of Sampling Programmes (Corrigendum 1 Issued 1996)
ISO 5667-2:1991	Water Quality - Sampling - Part 2: Guidance on Sampling Techniques
ISO 5667-3:1994	Water Quality - Sampling - Part 3: Guidance on the Preservation And Handling of Samples
ISO 5667-4:1987	Water Quality - Sampling - Part 4: Guidance on Sampling from Lakes, Natural and Man-Made
ISO 5667-5:1991	Water Quality - Sampling - Part 5: Guidance on Sampling of Drinking Water and Water Used for Food and Beverage Processing
ISO 5667-6:1990	Water Quality - Sampling - Part 6: Guidance on Sampling of Rivers And Streams
ISO 5667-7:1993	Water Quality - Sampling - Part 7: Guidance on Sampling of Water And Steam In Boiler Plants
ISO 5667-8:1993	Water Quality - Sampling - Part 8: Guidance on the Sampling of Wet Deposition
ISO 5667-9:1992	Water Quality - Sampling - Part 9: Guidance on Sampling from Marine Waters
ISO 5667-10:1992	Water Quality - Sampling - Part 10: Guidance on Sampling of Waste Waters
ISO 5667-11:1993	Water Quality - Sampling - Part 11: Guidance on Sampling of Groundwaters
ISO 5667-12:1995	Water Quality - Sampling - Part 12: Guidance on Sampling of Bottom Sediments
ISO 5667-13:1997	Water Quality - Sampling - Part 13: Guidance on Sampling of Sludges from Sewage and Water- Treatment Works
ISO 5667-14:1998	Water Quality - Sampling - Part 14: Guidance on Quality Assurance of Environmental Water Sampling And Handling
ISO 5667-15:1999	Water Quality - Sampling - Part 15: Guidance on Preservation And Handling of Sludge And Sediment Samples
ISO 5667-16:1998	Water Quality - Sampling - Part 16: Guidance on Biotesting of Samples
ISO 5667-17:2000	Water Quality - Sampling - Part 17: Guidance on Sampling of Suspended Sediments
ISO 5667-18:2001	Water Quality - Sampling - Part 18: Guidance on Sampling of Groundwater at Contaminated Sites
ISO 5667-19:2004	Water quality - Sampling - Part 19: Guidance on sampling in marine sediments
ISO 6961:1982	Long-Term Leach Testing of Solidified Radioactive Waste Forms
ISO 6962:1982	Standard Method for Testing the Long Term Alpha Irradiation Stability of Solidified High-Level Radioactive Waste Forms
ISO 7675:2003	Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings - Chlorinated poly(vinyl chloride) (PVC-C)

7.6. Publications

OSHA (Occupational Safety and Health Administration)

<http://www.osha.gov>

- Applicability of OSHA Standards to Transporters of Hazardous Waste Materials. OSHA (1999, April 19)
- Application of OSHA's final standard for Hazardous Waste Operations and Emergency Response
- Application of the Hazardous Waste Operations and Emergency Response Standard to Specific Operations
- Disposal of Contaminated Needles and Blood Tube Holders, October 2003
- Hazardous Waste Incinerators. OSHA (1995, January)
- Hazardous Waste Operations and Emergency Response, May 2004
- Hazardous Waste Operations, Frequently Asked Questions
- HAZWOPER Fact Sheet 93-31 standard (1993, January 1)
- Health and Safety Plan Guide for hazardous waste site operations
- Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities. NIOSH, OSHA, USCG, EPA (1985, October)
- Process Safety Management
- Process Safety Management Guidelines for Compliance
- Who is covered by OSHA's HAZWOPER Standard?

NIOSH (National Institute for Occupational Safety and Health)

<http://www.cdc.gov/niosh>

- 83-100 - Hazardous Waste Sites And Hazardous Substance Emergencies
- 85-115 - Occupational Safety And Health Guidance Manual For Hazardous Waste Site Activities
- A Model Medical Surveillance Program For Persons in Hazardous Waste Operations
- A Model Medical Surveillance Program for Persons in Hazardous Waste Operations
- NIOSH Pocket Guide (NPG) to Chemical Hazards. (1997, June)
- Occupational Safety and Health Guidance Manual for Hazardous Waste Site
- Preventing Deaths and Injuries While Compacting or Baling Refuse Material

EPA (Environment Protection Agency)

<http://www.epa.gov>

- **A Plain English Guide to the EPA Part 503 Biosolids Rule**
- Air Emissions From Municipal Solid Waste Landfills: Background Information For Final Standards And Guidelines
- Ambient Water Quality Criteria For 2,4-Dimethylphenol
- Ambient Water Quality Criteria For 2-Chlorophenol
- Ambient Water Quality Criteria For Arsenic
- Ambient Water Quality Criteria For Asbestos
- Ambient Water Quality Criteria For Bacteria, 1986
- Ambient Water Quality Criteria For Benzidine
- Ambient Water Quality Criteria For Carbon Tetrachloride
- Ambient Water Quality Criteria For Chlordane
- Ambient Water Quality Criteria For Chlorinated Benzenes

- Ambient Water Quality Criteria For Chlorinated Ethanes
- Ambient Water Quality Criteria For Chlorinated Naphthalene
- Ambient Water Quality Criteria For Chlorinated Phenols
- Ambient Water Quality Criteria For Chloroalkyl Ethers
- Ambient Water Quality Criteria For Chloroform
- Ambient Water Quality Criteria For Chromium
- Ambient Water Quality Criteria For Cyanides
- Ambient Water Quality Criteria For Ddt
- Ambient Water Quality Criteria For Dichlorobenzenes
- Ambient Water Quality Criteria For Dichlorobenzidine
- Ambient Water Quality Criteria For Dichloroethylenes
- Ambient Water Quality Criteria For Dichloropropane And Dichloropropene
- Ambient Water Quality Criteria For Dinitrotoluene
- Ambient Water Quality Criteria For Diphenylhydrazine
- Ambient Water Quality Criteria For Endosulfan
- Ambient Water Quality Criteria For Endrin
- Ambient Water Quality Criteria For Fluoranthene
- Ambient Water Quality Criteria For Haloethers
- Ambient Water Quality Criteria For Halomethanes
- Ambient Water Quality Criteria For Heptachlor
- Ambient Water Quality Criteria For Hexachlorobutadiene
- Ambient Water Quality Criteria For Hexachlorocyclohexane
- Ambient Water Quality Criteria For Hexachlorocyclopentadiene
- Ambient Water Quality Criteria For Isophorone
- Ambient Water Quality Criteria For Lead
- Ambient Water Quality Criteria For Naphthalene
- Ambient Water Quality Criteria For Nitrobenzene
- Ambient Water Quality Criteria For Nitrophenols
- Ambient Water Quality Criteria For Nitrosamines
- Ambient Water Quality Criteria For Phthalate Esters
- Ambient Water Quality Criteria For Polynuclear Aromatic Hydrocarbons
- Ambient Water Quality Criteria For Selenium
- Ambient Water Quality Criteria For Silver
- Ambient Water Quality Criteria For Tetrachloroethylene
- Ambient Water Quality Criteria For Thallium
- Ambient Water Quality Criteria For The Protection Of Human Health: 1,3-Dichloropropene
- Ambient Water Quality Criteria For The Protection Of Human Health: Acrylonitrile
- Ambient Water Quality Criteria For The Protection Of Human Health: Hexachlorobutadiene

- Ambient Water Quality Criteria For Toluene
- Ambient Water Quality Criteria For Toxaphene, 1986
- Ambient Water Quality Criteria For Trichloroethylene
- Ambient Water Quality Criteria For Vinyl Chloride
- Ambient Water Quality Criteria For Zinc
- Assessing Reports To Continuous Releases Of Hazardous Substances: Guide For EPA Regions
- Assessing The Geochemical Fate Of Deep-Well Injected Hazardous Waste; Reference Guide
- Bibliography Of Municipal Solid Waste Management Alternatives
- Bioremediation Of Hazardous Wastes: Research, Development, And Field Evaluations
- Biosolids Generation, Use, And Disposal In The United States
- Burden Reduction Proposed Rule (Phase II)
- Clean Beaches Plan, April 2004
- **Clean Water Act Definition of "Waters of the United States"**
- Compendium Of Materials On Municipal Solid Waste: Defining Degradability
- Compendium Of Materials On Municipal Solid Waste: Government Procurement
- Construction And Demolition Waste Landfills
- Contaminant Candidate List 2 Preliminary Regulatory Determinations
- Cooling Water Intake Structures At New Facilities - Amendment of Final Regulations Fact Sheet, June 2003
- Cost Analysis - Revision to the Federal Underground Injection Control Requirements for Class I Municipal Disposal Wells in Florida November, 2005
- Criteria for Classification of Solid Waste Disposal Facilities and Practices and Criteria for Municipal Solid Waste Landfills: Disposal of Residential Lead-Based Paint Waste – June 2003
- **Design Manual: Onsite Wastewater Treatment and Disposal System**
- Developing And Using Production Adjusted Measurements Of Pollution Prevention
- Developing Your Stormwater Pollution Prevention Plan: A Guide for Construction Sites
- Disposal Tips For Home Health Care {Patient Flyer}
- Disposal Tips For Home Health Care {Professional Brochure}
- Disposing Of Appliances With Refrigerants: What You Should Know
- Economic Impact Analysis For Proposed Effluent Limitations Guidelines And Standards For The Coastal Subcategory Of The Oil And Gas Extraction Point Source Category
- Economic Impact Analysis For The Off-Site Waste And Recovery Operations
- Economic Impact Analysis Of Proposed Commercial And Industrial Solid Waste Incineration Regulation
- Economic Impact Assessment Of The Phase Iv Land Disposal Restrictions Final Rule On Newly Identified Wood Preserving Hazardous Wastes, Contaminated Media, At Inactive And Abandoned Wood

- Environmental Fact Sheet: Advance Notice Of Proposed Rulemaking For Options In Mixed Waste Storage
- Environmental Fact Sheet: EPA Publishes Land Disposal Restrictions Treatment Standards
- Environmental Fact Sheet: EPA Releases Final Rule On Liners And Leak Detection Systems
- Environmental Fact Sheet: Land Disposal Restrictions-Second Third
- Environmental Fact Sheet: Municipal Land Fill Regulations Mean Safer Disposal Of Solid Waste
- Environmental Fact Sheet: Regulations For Burning Hazardous Waste In Boilers And Industrial Furnaces Clarified
- Environmental Fact Sheet: Revised Technical Standards For Hazardous Waste Combustion Facilities
- EPA Compliance - Profile of The Pharmaceutical Manufacturing Industry
- **EPA Guidelines for Management of Onsite/Decentralized Wastewater Systems**
- Evaluation And Selection Of Models For Estimating Air Emissions From Hazardous Waste Treatment, Storage, And Disposal Facilities
- Evaluation Of Subsurface Engineered Barriers At Waste Sites
- EXAMS - Exposure Analysis Modeling System (EXAMS)
- Facility Pollution Prevention Guide
- Fact Sheet – Final Rule: Amendments to the Storm Water Regulations for Discharges Associated with Oil and Gas Construction Activities
- Fact Sheet -- Proposed Rules to Reduce Air Emissions from Other Solid Waste Incineration Units
- Fact Sheet - Regulatory Alternative for Class I Municipal Disposal Wells in Specific Counties in Florida November 2005
- **Fact Sheet on Proposed Construction and Development ELGs**
- Fact Sheet –relative risk assessment of management options for treated wastewater in South Florida
- Fact Sheet: Hazardous Waste Manifest System Streamlined
- Final TRI (Toxic Release Inventory) Burden Reduction Rule - What are the provisions of the final rule?
- Final TRI (Toxic Release Inventory) Burden Reduction Rule - What is the difference between Form R and Form A?
- Final TRI (Toxic Release Inventory) Burden Reduction Rule - What are the criteria for using Form A to report Persistent, Bioaccumulative, and Toxic (PBT) chemicals?
- Final TRI (Toxic Release Inventory) Burden Reduction Rule - What are the criteria for using Form A for chemicals other than PBTs?
- Final TRI (Toxic Release Inventory) Burden Reduction Rule - What other resources are available for information on the rule and EPA's TRI Program?
- Final TRI (Toxic Release Inventory) Burden Reduction Rule - Why did EPA decide to allow facilities to use Form A for PBT chemicals under certain circumstances?

- Final TRI (Toxic Release Inventory) Burden Reduction Rule - Why did EPA change the proposed conditions for reporting non-PBT chemicals on Form A in the final rule?
- **Guidance Specifying Management Measures for Sources of Nonpoint Pollution in Coastal Waters**
- Guide for Evaluating Capacity, Management, Operation, and Maintenance (CMOM) Programs at Sanitary Sewer Collection Systems
- Guide To The Disposal Of Chemically Stabilized And Solidified Waste
- **Handbook for Managing Onsite and Clustered (Decentralized) Wastewater Treatment Systems**
- Handbook: Quality Assurance/Quality Control (QA/QC) Procedures For Hazardous Waste Incineration
- Hazardous Waste Incineration: Questions And Answers
- **Illicit Discharge Detection and Elimination Guidance Manual**
- Interim Guidance on Implementation of NPDES Regulations for Storm Water Phase II for Small Municipal Separate Storm Sewer Systems, March 2003
- List Of Industrial Waste Landfills And Construction And Demolition Waste Landfills
- List Of Municipal Solid Waste Landfills
- Map of Class I Facilities
- Medical Waste Incinerators: Background Information For Proposed Standards And Guidelines: Industry Profile Report For New And Existing Facilities
- Medical Waste Incinerators: Background Information For Proposed Standards And Guidelines: Regulatory Impact Analysis For New And Existing Facilities
- Medical Waste Incinerators: Background Information For Proposed Standards And Guidelines; Analysis Of Economic Impacts For Existing Sources
- Medical Waste Incinerators: Background Information For Proposed Standards And Guidelines; Analysis Of Economic Impacts For New Sources
- Medical Waste Incinerators: Background Information For Proposed Standards And Guidelines; Control Technology Performance Report For New And Existing Facilities
- Medical Waste Incinerators: Background Information For Proposed Standards And Guidelines; Environmental Impacts Report For New And Existing Facilities
- Medical Waste Incinerators: Background Information For Proposed Standards And Guidelines; Model Plant Description And Cost Report For New And Existing Facilities
- Medical Waste Incinerators: Background Information For Proposed Standards And Guidelines; Process Description Report For New And Existing Facilities
- New Test Procedures for Analyzing Pollutants in Wastewater and Sewage Sludge - Fact Sheet (August 2005)
- Notice of Availability of Preliminary 2008 Effluent Guidelines Program Plan
- **Notice of Data Availability on Spent Oil Shale from Above Ground Retorting Operations**
- Notice of Data Availability on the Disposal of Coal Combustion Waste in Landfills and Surface Impoundments

- **Onsite Wastewater Treatment Systems Manual**
 - Operation And Maintenance Of Hospital Medical Waste Incinerators
 - Other Solid Waste Incinerators: Emissions Controls: Proposed Standards of Performance: Fact Sheet
 - Other Solid Waste Incinerators: Emissions Controls: Proposed Standards of Performance
 - Permitting Hazardous Waste Incinerators
 - Pharmaceuticals and Personal Care Products (PPCPs) as Environmental Pollutants
- **Pharmaceuticals and Personal Care Products in Water**
 - Procedures Manual For Groundwater Monitoring At Solid Waste Disposal Facilities
 - Proposed EPA Policy on Permit Requirements for Peak Wet Weather Discharges from Wastewater Treatment Plants Serving Sanitary Sewer Collection Systems
 - Proposed Policy Peak Wet Weather Discharges from Municipal Sewage Treatment Facilities
 - Questions & Answers; Proposed Rule on the Management and Disposal of Lead-Based Paint Debris
 - Questions And Answers On Release Notification Requirements And Reportable Quantity Adjustments
 - Radiation Fact Sheet - "Orphan" Radioactive Sources in Scrap Metal
 - Radiation Fact Sheet - Discarded Tritium Exit Signs
 - Radiation Fact Sheet - Radioactive Wastes from Oil and Gas Drilling
 - Radioactive Waste Disposal: Environmental Perspective
 - Regulatory Determination for the PreKote? Surface Preparation Process, April 2003
 - Relative Risk Assessment of Management Options for Treated Wastewater in South Florida
 - Rules For Hazardous Waste Tank Systems
- **Spent Oil Shale**
 - Treatment, Storage, Disposal (TSD) & Recycling Facilities Locator (<http://www.envcap.org/statetools/tsdf/>)
 - TRI-ME Reporting Software
 - Universal Waste Handlers - Steps to Managing Your Universal Waste Lamps in an Environmentally-Safe Manner
 - Used Motor Oil: You Dump It, You Drink It Campaign – June 2003
- **Vessel Discharges**
- **Voluntary National Guidelines for Management of Onsite and Clustered (Decentralized) Wastewater Treatment Systems**
 - Water Quality Trading Toolkit for Permit Writers - National Pollutant Discharge Elimination System (NPDES)
 - Watershed-Based NPDES Permitting
 - Wet Weather Discharges

MSHA (Mine Safety and Health Administration)

<http://www.msha.gov>

- Program Information Bulletin - Slurry Injection Into Underground Coal Mines (July 2003)
- Responsibility for Approval of Blasting and Underground Coal Mine Waste Disposal Plans – April 2003

American Society of Safety Engineers

<http://www.asse.org/>

- The Safety Professionals Handbook

National Institute for Environmental Health and Safety

<http://www.niehs.nih.gov/odhsb/manual/home.htm>

- Hazardous Waste Disposal

Department of Energy

<http://tis.eh.doe.gov/portal/home.htm>

- Handbook for Occupational Health and Safety during Hazardous Waste Activities, DOE/EH-0535. U.S. DOE (1996, June)
- Management Perspectives on Worker Protection During DOE Hazardous Waste Activities, DOE/EH-0536. DOE (1996, June)
- Working Safely During DOE Hazardous Waste Activities, DOE/EH-0537. DOE (1996, June)

ASAE (American Society of Agricultural Engineers)

<http://www.asae.org/>

- Clean Water – Clean Environment – 21st Century
- Total Maximum Daily Load (TMDL) Environmental Regulations
- Animal, Agricultural and Food Processing Wastes IX

American Petroleum Institute

<http://api-ec.api.org/newsplashpage/index.cfm>

- Minimization, Handling, Treatment and Disposal of Petroleum Products Terminal Wastewaters
- Understanding and Preparing Applications for Petroleum Facility NPDES Discharge Permits

New Hampshire Department of Environmental Services (DES)

<http://www.des.nh.gov>

- Disposing Of Pharmaceuticals, Personal Care Products

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