

ILLINOIS POLLUTION CONTROL BOARD  
December 3, 1987

IN THE MATTER OF: )  
 )  
RCRA UPDATE, USEPA REGULATIONS ) R87-26  
(1-1-87 THROUGH 6-30-87) )

FINAL ORDER. ADOPTED RULES.

ORDER OF THE BOARD (by J. Anderson):

On August 20, 1987, the Board proposed to amend the RCRA regulations in this Docket. The proposed regulations appeared on October 16, 1987, at 11 Ill. Reg. 16320. The Board has received public comment as is detailed in the Opinion.

Section 22.4 of the Act governs adoption of regulations establishing the RCRA program in Illinois. Section 22.4(a) provides for quick adoption of regulations which are "identical in substance" to federal regulations; Section 22.4(a) provides that Title VII of the Act and Section 5 of the Administrative Procedure Act shall not apply. Because this rulemaking is not subject to Section 5 of the Administrative Procedure Act, it is not subject to first notice or to second notice review by the Joint Committee on Administrative Rules (JCAR). The federal RCRA regulations are found at 40 CFR 260 through 270, and 280. This rulemaking updates Illinois' RCRA regulations to correspond with federal amendments during the period January 1 through June 30, 1987.

The Board hereby adopts the regulatory amendments which follow. The Board will withhold filing of these regulations until after December 17, 1987 to allow time for final review and motions for reconsideration by the agencies involved in the authorization process. The Board has adopted a supporting Opinion this same day.

TITLE 35: ENVIRONMENTAL PROTECTION  
SUBTITLE G: WASTE DISPOSAL  
CHAPTER I: POLLUTION CONTROL BOARD  
SUBCHAPTER b: PERMITS

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RCRA AND UIC PERMIT PROGRAMS

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AUTHORITY: Implementing Section 13 and 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1985, ch. 111 1/2, pars. 1013, 1022.4 and 1027).

SOURCE: Adopted in R81-32, 47 PCB 93, at 6 Ill. Reg. 12479, effective as noted in 35 Ill. Adm. Code 700.106; amended in R82-19 at at, 53 PCB 131, 7 Ill. Reg. 14352, effective as noted in 35 Ill. Adm. Code 700.106; amended in R84-9 at 9 Ill. Reg. 11926, effective July 24, 1985; amended in R85-23 at 10 Ill. Reg. 13274, effective July 29, 1986; amended in R86-1 at 10 Ill. Reg. 14083, effective August 12, 1986; amended in R86-28 at 11 Ill. Reg. 6131, effective March 24, 1987; amended in R87-5 at 11 Ill. Reg. 19376, effective November 12, 1987; amended in R87-26 at 12 Ill. Reg. , effective .

#### SUBPART A: GENERAL PROVISIONS

##### Section 702.104 References

- a) When used in 35 Ill. Adm. Code 702, 703 and 704, the following publication is incorporated by reference:

"Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods" (1980), EPA publication number SW-846 (First Edition, 1980, as updated by Revision A (August, 1980), B (July, 1981) and C (February, 1982)) or (Second Edition, 1982). The first edition of SW-846 is no longer in print. Revisions A and B are available from EPA, Office of Solid Waste, (WH-565B), 401 M Street, S-W, Washington, D-C, 20460. Revision C is available from NFIIS, 5285 Port Royal Road, Springfield, Virginia 22161. The second edition of SW-846 includes material from the first edition and Revision A, B, and C in a reorganized format. It is available from the Superintendent of Documents, U-S Government Printing Office, Washington, D-C, 20402, (202) 783-3238 on a subscription basis, and future updates will automatically be mailed to the subscriber.

- b) The reference listed in paragraph (a) is also available for inspection at the Office of the Federal Register, 1100 B Street, N-W, Washington, D-C, 20408, and at the Office of the Pollution Control Board, 309 W- Washington, Suite 200, Chicago, Illinois 60606.

NTIS. Available from the National Technical  
Information Service, 5285 Port Royal Road,  
Springfield, VA 22161, (703) 487-4600:

"Test Methods for Evaluating Solid Waste,  
Physical/Chemical Methods," EPA Publication  
number SW-846 (Second Edition, 1982 as amended  
by Update I (April, 1984) and Update II  
(April, 1985)) (Document number PB 87-120-  
291)

b) This Section incorporates no later editions or  
amendments.)

(Board Note: See 40 CFR ~~122.20~~ 270.6 (1987).)

(Source: Amended at 12 Ill. Reg. ,  
effective )

TITLE 35: ENVIRONMENTAL PROTECTION  
SUBTITLE G: WASTE DISPOSAL  
CHAPTER I: POLLUTION CONTROL BOARD  
SUBCHAPTER b: PERMITS

PART 703  
RCRA PERMIT PROGRAM

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703.246 Reporting Requirements

AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1985, ch. 111 1/2, pars. 1022.4 and 1027).

SOURCE: Adopted in R82-19, 53 PCB 131, at 7 Ill. Reg. 14289, effective October 12, 1983; amended in R83-24 at 8 Ill. Reg. 206, effective December 27, 1983; amended in R84-9 at 9 Ill. Reg. 11899, effective July 24, 1985; amended in R85-22 at 10 Ill. Reg. 1110, effective January 2, 1987; amended in R85-23 at 10 Ill. Reg. 13284, effective July 28, 1986; amended in R86-1 at 10 Ill. Reg. 14093, effective August 12, 1986; amended in R86-19 at 10 Ill. Reg. 20702, effective December 2, 1986; amended in R86-28 at 11 Ill. Reg. 6121, effective March 24, 1987; amended in R86-46 at 11 Ill. Reg. 13543, effective August 4, 1987; amended in R87-5 at 11 Ill. Reg. 19383, effective November 12, 1987; amended in R87-26 at 12 Ill. Reg. , effective .

SUBPART D: APPLICATIONS

Section 703.185 Groundwater Protection Information

The following additional information regarding protection of groundwater is required from owners or operators of hazardous waste surface impoundments, piles, land treatment units and landfills, except as otherwise provided in 35 Ill. Adm. Code 724.190(b).

- a) A summary of the groundwater monitoring data obtained during the interim status period under 35 Ill. Adm. Code 725.190 through 725.194, where applicable;

- b) Identification of the uppermost aquifer and aquifers hydraulically interconnected beneath the facility property, including groundwater flow direction and rate, and the basis for such identification (i.e., the information obtained from hydrogeologic investigations of the facility area);
- c) On the topographic map required under Section 703.183(s), a delineation of the waste management area, the property boundary, the proposed "point of compliance" as defined under 35 Ill. Adm. Code 724.195, the proposed location of groundwater monitoring wells as required under 35 Ill. Adm. Code 724.197 and, to the extent possible, the information required in paragraph (b);
- d) A description of any plume of contamination that has entered the groundwater from a regulated unit at the time that the application is submitted that:
  - 1) Delineates the extent of the plume on the topographic map required under Section 703.183(s);
  - 2) Identifies the concentration of each 35 Ill. Adm. Code 721-7 - Appendix H constituent throughout the plume or identifies the maximum concentrations of each 35 Ill. Adm. Code 721-7 - Appendix H constituent in the plume;
- e) Detailed plans and an engineering report describing the proposed groundwater monitoring program to be implemented to meet the requirements of 35 Ill. Adm. Code 724.197;
- f) If the presence of hazardous constituents has not been detected in the groundwater at the time of permit application, the owner or operator ~~must~~ shall submit sufficient information, supporting data and analyses to establish a detection monitoring program which meets the requirements of 35 Ill. Adm. Code 724.198. This submission must address the following items as specified under that Section.
  - 1) A proposed list of indicator parameters, waste constituents or reaction products that can provide a reliable indication of the presence of hazardous constituents in the groundwater;
  - 2) A proposed groundwater monitoring system;
  - 3) Background values for each proposed monitoring parameter or constituent, or procedures to calculate such values; and

- 4) A description of proposed sampling, analysis and statistical comparison procedures to be utilized in evaluating groundwater monitoring data;
- g) If the presence of hazardous constituents has been detected in the groundwater at the point of compliance at the time of permit application, the owner or operator ~~must~~ shall submit sufficient information, supporting data and analyses to establish a compliance monitoring program which meets the requirements of 35 Ill. Adm. Code 724.199. ~~Except as provided in 35 Ill. Adm. Code 724.198(h)(5), the owner or operator must~~ also submit an engineering feasibility plan for a corrective action program necessary to meet the requirements of 35 Ill. Adm. Code 724.200, except as provided in 35 Ill. Adm. Code 724.198(h)(5), unless the owner or operator obtains written authorization in advance from the Agency to submit a proposed permit schedule for submittal of such a plan. To demonstrate compliance with 35 Ill. Adm. Code 724.199, the owner or operator ~~must~~ shall address the following items:
- 1) A description of the wastes previously handled at the facility;
  - 2) A characterization of the contaminated groundwater, including concentrations of hazardous constituents;
  - 3) A list of hazardous constituents for which compliance monitoring will be undertaken in accordance with 35 Ill. Adm. Code 724.197 and 724.199;
  - 4) Proposed concentration limits for each hazardous constituent, based on the criteria set forth in 35 Ill. Adm. Code 724.194(a), including a justification for establishing any alternate concentration limits;
  - 5) Detailed plans and an engineering report describing the proposed groundwater monitoring system, in accordance with the requirements of 35 Ill. Adm. Code 724.197; and
  - 6) A description of proposed sampling, analysis and statistical comparison procedures to be utilized in evaluating groundwater monitoring data;
- h) If hazardous constituents have been measured in the groundwater which exceed the concentration limits established under 35 Ill. Adm. Code 724.194, Table 1, or if groundwater monitoring conducted at the time of permit application under 35 Ill. Adm. Code 725.190 through 725.194 at the waste boundary indicates the



presence of hazardous constituents from the facility in groundwater over background concentrations, the owner or operator ~~must~~shall submit sufficient information, supporting data, and analyses to establish a corrective action program which meets the requirements of 35 Ill. Adm. Code 724.200. However, an owner or operator is not required to submit information to establish a corrective action program if it demonstrates to the Agency that alternate concentration limits will protect human health and the environment after considering the criteria listed in 35 Ill. Adm. Code 724.194(b). An owner or operator who is not required to establish a corrective action program for this reason ~~must~~shall instead submit sufficient information to establish a compliance monitoring program which meets the requirements of paragraph (f) and 35 Ill. Adm. Code 724.199. To demonstrate compliance with 35 Ill. Adm. Code 724.200, the owner or operator ~~must~~shall address, at a minimum, the following items:

- 1) A characterization of the contaminated groundwater, including concentrations of hazardous constituents;
- 2) The concentration limit for each hazardous constituent found in the groundwater as set forth in 35 Ill. Adm. Code 724.194;
- 3) Detailed plans and an engineering report describing the corrective action to be taken; and
- 4) A description of how the groundwater monitoring program will assess the adequacy of the corrective action.
- 5) The permit may contain a schedule for submittal of the information required in subsections (h)(3) and (h)(4) provided the owner or operator obtains written authorization from the Agency prior to submittal of the permit application.

(Board Note: See 40 CFR 270.14(c) (1987).)

(Source: Amended at 12 Ill. Reg. ,  
effective )

TITLE 35: ENVIRONMENTAL PROTECTION  
SUBTITLE G: WASTE DISPOSAL  
CHAPTER I: POLLUTION CONTROL BOARD  
SUBCHAPTER c: HAZARDOUS WASTE OPERATING REQUIREMENTS

PART 720  
HAZARDOUS WASTE MANAGEMENT SYSTEM: GENERAL

SUBPART A: GENERAL PROVISIONS

Section  
720.101 Purpose, Scope and Applicability  
720.102 Availability of Information; Confidentiality of  
Information  
720.103 Use of Number and Gender

SUBPART B: DEFINITIONS

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720.110 Definitions  
720.111 References

SUBPART C: RULEMAKING PETITIONS AND OTHER PROCEDURES

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720.121 Alternative Equivalent Testing Methods  
720.122 Waste Delisting  
720.130 Procedures for Solid Waste Determinations  
720.131 Solid Waste Determinations  
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720.140 Additional regulation of certain hazardous waste  
Recycling Activities on a case-by-case Basis  
720.141 Procedures for case-by-case regulation of hazardous  
waste Recycling Activities

Appendix A Overview of 40 CFR, Subtitle C Regulations

AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1985, ch. 111 1/2, pars. 1022.4 and 1027).

SOURCE: Adopted in R81-22, 43 PCB 427, at 5 Ill. Reg. 9781, effective as noted in 35 Ill. Adm. Code 700.106; amended and codified in R81-22, 45 PCB 317, at 6 Ill. Reg. 4828, effective as noted in 35 Ill. Adm. Code 700.106; amended in R82-19 at 7 Ill. Reg. 14015, effective Oct. 12, 1983; amended in R84-9, 53 PCB 131 at 9 Ill. Reg. 11819, effective July 24, 1985; amended in R85-22 at 10 Ill. Reg. 968, effective January 2, 1986; amended in R86-1 at 10 Ill. Reg. 13998, effective August 12, 1986; amended in R86-19 at 10 Ill. Reg. 20630, effective December 2, 1986; amended in R86-28 at 11 Ill. Reg. 6017, effective March 24, 1987; amended in R86-46 at 11 Ill. Reg. 13435, effective August 4, 1987; amended in R87-5 at 11 Ill. Reg. 19280, effective November 12, 1987; amended in R87-26 at 12 Ill. Reg. , effective .

SUBPART B: DEFINITIONS

Section 720.111 References

- a) When used in 35 Ill. Adm. Code 720 through 725, the following publications are incorporated by reference:

ANSI. Available from the American National Standards Institute, 1430 Broadway, New York, New York 10018, (212) 354-3300:

"Petroleum Refinery Piping," ANSI B31.3 -- 1976, with addendum B31.3(d) -- 1980.

"Liquid Petroleum Transportation Piping Systems," ANSI B31.4 -- 1974, with addendum B31.4(b) -- 1981.

API. Available from the American Petroleum Institute, 1220 L Street, N.W., Washington, D.C. 20005, (202) 682-8000:

"Guide for Inspection of Refinery Equipment, Chapter XIII, Atmospheric and Low Pressure Storage Tanks," 4th Edition, 1981.

"Cathodic Protection of Underground Petroleum Storage Tanks and Piping Systems," API Publication 1632, 1983.

"Installation of Underground Petroleum Storage Systems," API Publication 1615 (November 1979).

ASTM. Available from American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103, (215) 299-5400:

"ASTM Standard Test Methods for Flash Point of Liquids by Setaflash Closed Tester," ASTM Standard D-3278-78.

"ASTM Standard Test Methods for Flash Point Pensky-Martens Closed Tester," ASTM Standard D-D-93-79 or D-93-80.

GPO. Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20401, (202) 783-3238:

Standard Industrial Classification Manual (1972), and 1977 Supplement, republished in 1983

**-Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication number SW-846 (Second Edition, 1982 as amended by Update I (April, 1984) and Update II (April, 1985))- -**

NACE. Available from the National Association of Corrosion Engineers, 1400 South Creek Dr., Houston, TX 77084, (713) 492-0535:

"Recommended Practice (RP-02-85) Control of External Corrosion on Metallic Buried, Partially Buried, or Submerged Liquid Storage Systems."

NFPA. Available from the National Fire Protection Association, Batterymarch Park, Boston, MA 02269, (617) 770-3000:

"Flammable and Combustible Liquids Code" (1977 or 1981).

NTIS. Available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161, (703) 487-4600:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication number SW-846 (Second Edition, 1982 as amended by Update I (April, 1984) and Update II (April, 1985)) (Document number PB 87-120-291)

STI. Available from the Steel Tank Institute, 728 Anthony Trail, Northbrook, IL 60062, (312) 498-1980:

"Standard for Dual Wall Underground Steel Storage Tanks" (1986).

- b) This Section incorporates no later editions or amendments.

(Source: Amended at 12 Ill. Reg. ,  
effective )

TITLE 35: ENVIRONMENTAL PROTECTION  
SUBTITLE G: WASTE DISPOSAL  
CHAPTER I: POLLUTION CONTROL BOARD  
SUBCHAPTER c: HAZARDOUS WASTE OPERATING REQUIREMENTS

PART 721  
IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

SUBPART A: GENERAL PROVISIONS

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721.101	Purpose of Scope
721.102	Definition of Solid Waste
721.103	Definition of Hazardous Waste
721.104	Exclusions
721.105	Special Requirements For Hazardous Waste Generated by Small Quantity Generators
721.106	Requirements for Recyclable Materials
721.107	Residues of Hazardous Waste In Empty Containers

SUBPART B: CRITERIA FOR IDENTIFYING THE CHARACTERISTICS  
OF HAZARDOUS WASTE AND FOR LISTING HAZARDOUS WASTES

Section	
721.110	Criteria for Identifying the Characteristics of Hazardous Waste
721.111	Criteria for Listing Hazardous Waste

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721.120	General
721.121	Characteristics of Ignitability
721.122	Characteristics of Corrosivity
721.123	Characteristics of Reactivity
721.124	Characteristics of EP Toxicity

SUBPART D: LISTS OF HAZARDOUS WASTE

Section	
721.130	General
721.131	Hazardous Wastes From Nonspecific Sources
721.132	Hazardous Waste from Specific Sources
721.133	Discarded Commercial Chemical Products, Off- Specification Species, Container Residues and Spill Residues Thereof

Appendix A	Representative Sampling Methods
Appendix B	EP Toxicity Test Procedures
Appendix C	Chemical Analysis Test Methods
Table A	Analytical Characteristics of Organic Chemicals (Repealed)
Table B	Analytical Characteristics of Inorganic Species (Repealed)
Table C	Sample Preparation/Sample Introduction Techniques (Repealed)
Appendix G	Basis for Listing Hazardous Wastes
Appendix H	Hazardous Constituents

Appendix I	Wastes Excluded under Section 720.120 and 720.122
Table A	Wastes Excluded from Non-Specific Sources
Table B	Wastes Excluded from Specific Sources
Table C	Wastes Excluded from Commercial Chemical Products, Off-Specification Species, Container Residues, and Soil Residues Thereof
Appendix J	Method of Analysis for Chlorinated Dibenzo-p-Dioxins and Dibenzofurans
Appendix Z	Table to Section 721.102

AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1985, ch. 111 1/2, pars. 1022.4 and 1027).

SOURCE: Adopted in R81-22, 43 PCB 427, at 5 Ill. Reg. 9781, effective as noted in 35 Ill. Adm. Code 700.106; amended and codified in R81-22, 45 PCB 317, at 6 Ill. Reg. 4828, effective as noted in 35 Ill. Adm. Code 700.106; amended in R82-18, 51 PCB 31, at 7 Ill. Reg. 2518, effective February 22, 1983; amended in R82-19, 53 PCB 131, at 7 Ill. Reg. 13999, effective October 12, 1983; amended in R84-34, 61 PCB 247, at 8 Ill. Reg. 24562, effective December 11, 1984; amended in R84-9, at 9 Ill. Reg. 11834, effective July 24, 1985; amended in R85-22 at 10 Ill. Reg. 998, effective January 2, 1986; amended in R85-2 at 10 Ill. Reg. 8112, effective May 2, 1986; amended in R86-1 at 10 Ill. Reg. 14002, effective August 12, 1986; amended in R86-19 at 10 Ill. Reg. 20647, effective December 2, 1986; amended in R86-28 at 11 Ill. Reg. 6035, effective March 24, 1987; amended in R86-46 at 11 Ill. Reg. 13466, effective August 4, 1987; amended in R87-32 at 11 Ill. Reg. 16698, effective September 30, 1987; amended in R87-5 at 11 Ill. Reg. 19303, effective November 12, 1987; amended in R87-26 at 12 Ill. Reg. , effective .

#### SUBPART A: GENERAL

##### Section 721.103 Definition of Hazardous Waste

- a) A solid waste, as defined in Section 721.102, is a hazardous waste if:
  - 1) It is not excluded from regulation as a hazardous waste under Section 721.104(b); and
  - 2) It meets any of the following criteria;
    - A) It exhibits any of the characteristics of hazardous waste identified in Subpart C.
    - B) It is listed in Subpart D and has not been excluded from the lists in Subpart D under 35 Ill. Adm. Code 720.120 and 720.122.
    - C) It is a mixture of a solid waste and a hazardous waste that is listed in Subpart D solely because it exhibits one or more of the

characteristics of hazardous waste identified in Subpart C unless the resultant mixture no longer exhibits any characteristic of hazardous waste identified in Subpart C.

- D) It is a mixture of solid waste and one or more hazardous wastes listed in Subpart D and has not been excluded from this paragraph under 35 Ill. Adm. Code 720.120 and 720.122; however, the following mixtures of solid wastes and hazardous wastes listed in Subpart D are not hazardous wastes (except by application of subsection (a)(2)(A) or (B)) if the generator can demonstrate that the mixture consists of wastewater the discharge of which is subject to regulation under either ~~Section 402 or Section 307(b) of the Clean Water Act (33 U.S.C. 1251)~~ 35 Ill. Adm. Code 309 or 310 (including wastewater at facilities which have eliminated the discharge of wastewater) and;
- i) One or more of the following spent solvents listed in Section 721.131 - carbon tetrachloride, tetrachloroethylene, trichloroethylene - provided that the maximum total weekly usage of these solvents (other than the amounts that can be demonstrated not to be discharged to wastewater) divided by the average weekly flow of wastewater into the headworks of the facility's wastewater treatment or pre-treatment system does not exceed 1 part per million; or
- ii) One or more of the following spent solvents listed in Section 721.131 - methylene chloride, 1,1,1 - trichloroethane, chlorobenzene, o-dichlorobenzene, cresols, cresylic acid, nitrobenzene, toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, spent chlorofluorocarbon solvents - provided that the maximum total weekly usage of these solvents (other than the amounts that can be demonstrated not to be discharged to wastewater) divided by the average weekly flow of wastewater into the headworks of the facility's wastewater treatment or pre-treatment system does not exceed 25 parts per million; or
- iii) One of the following wastes listed in

Section 721.132 - heat exchanger bundle cleaning sludge from the petroleum refining industry (EPA Hazardous Waste No. K050); or

- iv) A discharged commercial chemical product, or chemical intermediate listed in Section 721.133, arising from de minimis losses of these materials from manufacturing operations in which these materials are used as raw materials or are produced in the manufacturing process. For purposes of this subsection, "de minimis" losses include those from normal material handling operations (e.g., spills from the unloading or transfer of materials from bins or other containers, leaks from pipes, valves or other devices used to transfer materials); minor leaks of process equipment, storage tanks or containers; leaks from well-maintained pump packings and seals; sample purgings; relief device discharges; discharges from safety showers and rinsing and cleaning of personal safety equipment; and rinsate from empty containers or from containers that are rendered empty by that rinsing; or
  - v) Wastewater resulting from laboratory operations containing toxic (T) wastes listed in Subpart D, provided that the annualized average flow of laboratory wastewater does not exceed one percent of total wastewater flow into the headworks of the facility's wastewater treatment or pre-treatment system, or provided that the wastes combined annualized average concentration does not exceed one part per million in the headworks of the facility's wastewater treatment or pre-treatment facility. Toxic (T) wastes used in laboratories that are demonstrated not to be discharged to wastewater are not to be included in this calculation.
- b) A solid waste which is not excluded from regulation under subsection (a)(1) becomes a hazardous waste when any of the following events occur:
- 1) In the case of a waste listed in Subpart D, when the waste first meets the listing description set



forth in Subpart D.

- 2) In the case of a mixture of solid waste and one or more listed hazardous wastes, when a hazardous waste listed in Subpart D is first added to the solid waste.
  - 3) In the case of any other waste (including a waste mixture), when the waste exhibits any of the characteristics identified in Subpart C.
- c) Unless and until it meets the criteria of subsection (d):
- 1) A hazardous waste will remain a hazardous waste.
  - 2) Specific inclusions and exclusions
    - A) Except as otherwise provided in subsection (c)(2)(B), any solid waste generated from the treatment, storage or disposal of a hazardous waste, including any sludge, spill residue, ash, emission control dust or leachate (but not including precipitation run-off), is a hazardous waste. (However, materials that are reclaimed from solid wastes and that are used beneficially are not solid wastes and hence are not hazardous wastes under this provision unless the reclaimed material is burned for energy recovery or used in a manner constituting disposal.)
    - B) The following solid wastes are not hazardous even though they are generated from the treatment, storage or disposal of a hazardous waste, unless they exhibit one or more of the characteristics of hazardous waste:
      - i) Waste pickle liquor sludge generated by lime stabilization of spent pickle liquor from the iron and steel industry (SIC Codes 331 and 332) (Standard Industrial Codes, as defined and incorporated by reference in 35 Ill. Adm. Code 720.110 and 720.111).
      - ii) Wastes from burning any of the materials exempted from regulation by Section 721.106(a)(3)(~~D-E~~), (F), (G), ~~or~~ (H) or (I).
- d) Any solid waste described in subsection (c) is not a hazardous waste if it meets the following criteria:

- 1) In the case of any solid waste, it does not exhibit any of the characteristics of hazardous waste identified in Subpart C.
- 2) In the case of a waste which is a listed waste under Subpart D, contains a waste listed under Subpart D or is derived from a waste listed in Subpart D, it also has been excluded from subsection (c) under 35 Ill. Adm. Code 720.120 and 720.122.

(Source: Amended at 12 Ill. Reg. ,  
effective )

#### Section 721.106 Requirements for Recyclable Materials

##### a) Recyclable materials:

- 1) Hazardous wastes that are recycled are subject to the requirements for generators, transporters and storage facilities of subsections (b) and (c), except for the materials listed in subsections (a)(2) and (a)(3). Hazardous wastes that are recycled will be known as "recyclable materials".
- 2) The following recyclable materials are not subject to the requirements of this Section but are regulated under 35 Ill. Adm. Code 726.Subparts C through G and all applicable provisions in 35 Ill. Adm. Code 702, 703 and 705.
  - A) Recyclable materials used in a manner constituting disposal (35 Ill. Adm. Code 726.Subpart C);
  - B) Hazardous wastes burned for energy recovery in boilers and industrial furnaces that are not regulated under 35 Ill. Adm. Code 724 or 725.Subpart O (35 Ill. Adm. Code 726.Subpart D.)
  - C) Used oil that exhibits one or more of the characteristics of hazardous waste and is burned for energy recovery in boilers or industrial furnaces that are not regulated under 35 Ill. Adm. Code 724 or 725.Subpart O. (35 Ill. Adm. Code 726.Subpart E);
  - D) Recyclable materials from which precious metals are reclaimed (35 Ill. Adm. Code 726.Subpart F);
  - E) Spent lead-acid batteries that are being reclaimed (35 Ill. Adm. Code 726.Subpart G).

- 3) The following recyclable materials are not subject to regulation under 35 Ill. Adm. Code 722 through 726, 728, or 702, 703 or 705 and are not subject to the notification requirements of Section 3010 of the Resource Conservation and Recovery Act:
- A) Industrial ethyl alcohol that is reclaimed except that, unless provided otherwise in an international agreement as specified in 35 Ill. Adm. Code 722.158:
    - i) A person initiating a shipment for reclamation in a foreign country, and any intermediary arranging for the shipment, shall comply with the requirements applicable to a primary exporter in 35 Ill. Adm. Code 722.153, 722.156(a)(1) through (a)(4), (a)(6) and (b), and 722.157, shall export such materials only upon consent of the receiving country and in conformance with the USEPA Acknowledgement of Consent as defined in 35 Ill. Adm. Code 722.Subpart E, and shall provide a copy of the USEPA Acknowledgement of Consent to the shipment to the transporter transporting the shipment for export;
    - ii) Transporters transporting a shipment for export shall not accept a shipment if the transporter knows the shipment does not conform to the USEPA Acknowledgement of Consent, shall ensure that a copy of the USEPA Acknowledgement of Consent accompanies the shipment and shall ensure that it is delivered to the facility designated by the person initiating the shipment.
  - B) Used batteries (or used battery cells) returned to a battery manufacturer for regeneration;
  - C) Used oil that exhibits one or more of the characteristics of hazardous waste but is recycled in some other manner than being burned for energy recovery;
  - D) Scrap metal;
  - E) Fuels produced from the refining of oil-bearing hazardous wastes along with normal process streams at a petroleum refining

facility if such wastes result from normal petroleum refining, production and transportation practices;

- F) Oil reclaimed from hazardous waste resulting from normal petroleum refining, production and transportation practices, which oil is to be refined along with normal process streams at a petroleum refining facility;
- G) Coke and coal tar from the iron and steel industry that contains USEPA hazardous waste number K087 (decanter tank tar sludge from coking operations) (Section 721.132) from the iron and steel production process;
- H) Petroleum refining wastes.
  - i) Hazardous waste fuel produced from oil-bearing hazardous wastes from petroleum refining, production or transportation practices, or produced from oil reclaimed from such hazardous wastes, where such hazardous wastes are reintroduced into a process that does not use distillation or does not produce products from crude oil so long as the resulting fuel meets the used oil specification under 35 Ill. Adm. Code 726.140(e) and so long as no other hazardous wastes are used to produce the hazardous waste fuel;
  - ii) Hazardous waste fuel produced from oil-bearing hazardous waste from petroleum refining production and transportation practices, where such hazardous wastes are reintroduced into a refining process after a point at which contaminants are removed, so long as the fuel meets the used oil fuel specification under 35 Ill. Adm. Code 726.140(e); and
  - iii) Oil reclaimed from oil-bearing hazardous wastes from petroleum refining, production and transportation practices, which reclaimed oil is burned as a fuel without reintroduction to a refining process, so long as the reclaimed oil meets the used oil fuel specification under 35 Ill. Adm. Code 726.140(e); and
- I) Petroleum coke produced from petroleum refinery hazardous wastes containing oil at the same facility at which such wastes were

generated, unless the resulting coke product exceeds one or more of the characteristics of hazardous waste in Subpart C.

- b) Generators and transporters of recyclable materials are subject to the applicable requirements of 35 Ill. Adm. Code 722 and 723 and the notification requirements under Section 3010 of the Resource Conservation and Recovery Act, except as provided in subsection (a).
- c) Storage and recycling:
  - 1) Owners or operators of facilities that store recyclable materials before they are recycled are regulated under all applicable provisions of 35 Ill. Adm. Code 724 and 725. Subparts A through L, 726, 728, 702, 703 and 705 and the notification requirement under Section 3010 of the Resource Conservation and Recovery Act, except as provided in subsection (a). (The recycling process itself is exempt from regulation.)
  - 2) Owners or operators of facilities that recycle recyclable materials without storing them before they are recycled are subject to the following requirements, except as provided in subsection (a).
    - A) Notification requirements under Section 3010 of the Resource Conservation and Recovery Act.
    - B) 35 Ill. Adm. Code 725.171 and 725.172 (dealing with the use of the manifest and manifest discrepancies)

(Source: Amended at 12 Ill. Reg. ,  
effective )

SUBPART D: LISTS OF HAZARDOUS WASTE

Section 721.133 Discarded Commercial Chemical Products, Off-Specification Species, Container Residues and Spill Residues Thereof.

The following materials or items are hazardous wastes if and when they are discarded or intended to be discarded as described in Section 721.102(a)(2)(A), when they are mixed with waste oil or used oil or other material and applied to the land for dust suppression or road treatment, when they are otherwise applied to the land in lieu of their original intended use or when they are contained in products that are applied to land in lieu of their original intended use, or when, in lieu of their original intended use, they are produced for use as (or as a component of) a fuel, distributed for use as a fuel, or burned as a fuel.

- a) Any commercial chemical product, or manufacturing chemical intermediate having the generic name listed in subsections (e) or (f).
- b) Any off-specification commercial chemical product or manufacturing chemical intermediate which, if it met specifications, would have the generic name listed in subsections (e) or (f).
- c) Any container or inner liner removed from a container that has been used to hold any commercial chemical product or manufacturing chemical intermediate having the generic names listed in subsection (e), or any container or inner liner removed from a container that has been used to hold any off-specification chemical product and manufacturing chemical intermediate which, if it met specifications, would have the generic name listed in subsection (e) unless:
  - 1) The container or inner liner has been triple rinsed using a solvent capable of removing the commercial chemical product or manufacturing chemical intermediate;
  - 2) The container or inner liner has been cleansed by another method that has been shown in the scientific literature, or by tests conducted by the generator, to achieve equivalent removal; or
  - 3) In the case of a container, the inner liner that prevented contact of the commercial chemical product or manufacturing chemical intermediate with the container, has been removed.
- d) Any residue or contaminated soil, water or other debris resulting from the cleanup of a spill, into or on any land or water of any commercial chemical product or manufacturing chemical intermediate having the generic name listed in subsection (e) or (f), or any residue or contaminated soil, water or other debris resulting from the cleanup of a spill, into or on any land or water, of any off-specification chemical product or manufacturing chemical intermediate which, if it met specifications, would have the generic name listed in subsection (e) or (f).

(Board Note: The phrase "commercial chemical product or manufacturing chemical intermediate having the generic name listed in ..." refers to a chemical substance which is manufactured or formulated for commercial or manufacturing use which consists of the commercially pure grade of the chemical, any technical grades of the chemical that are produced or marketed, and all formulations in which the chemical is the sole active

ingredient. It does not refer to a material, such as a manufacturing process waste, that contains any of the substances listed in subsections (e) or (f). Where a manufacturing process waste is deemed to be a hazardous waste because it contains a substance listed in subsections (e) or (f), such waste will be listed in either Sections 721.131 or 721.132 or will be identified as a hazardous waste by the characteristics set forth in Subpart.)

- e) The commercial chemical products, manufacturing chemical intermediates or off-specification commercial chemical products or manufacturing chemical intermediates referred to in subsections (a) through (d) of this Section, are identified as acute hazardous waste (H) and are subject to the small quantity exclusion defined in Section 721.105(e). These wastes and their corresponding EPA Hazardous Waste Numbers are:

(Board Note: For the convenience of the regulated community the primary hazardous properties of these materials have been indicated by the letters T (Toxicity), and R (Reactivity). Absence of a letter indicates that the compound only is listed for acute toxicity.)

Hazardous  
Waste No. Substance

P023	Acetaldehyde, chloro-
P002	Acetamide, N-(aminothioxomethyl)-
P057	Acetamide, 2-fluoro-
P058	Acetic acid, fluoro-, sodium salt
P066	Acetimedic acid, N-[(methylcarbamoyl)oxy]thio-, methyl ester
P001	3-(alpha-acetonylbenzyl)-4-hydroxycoumarin and salts, when present at concentrations greater than 0.3%
P002	1-Acetyl-2-thiourea
P003	Acrolein
P070	Aldicarb
P004	Aldrin
P005	Allyl alcohol
P006	Aluminum phosphide
P007	5-(Aminomethyl)-3-isoxazolol
P008	4-Aminopyridine
P009	Ammonium picrate (R)
P119	Ammonium vanadate
P010	Arsenic acid
P012	Arsenic (III) oxide
P011	Arsenic (V) oxide
P011	Arsenic pentoxide
P012	Arsenic trioxide
P038	Arsine, diethyl-

P054 Aziridine  
P013 Barium cyanide  
P024 Benzenamine, 4-chloro-  
P077 Benzenamine, 4-nitro-  
P028 Benzene, (chloromethyl)-  
P042 1,2-Benzenediol, 4-[1-hydroxy-2-(methyl-  
amino)ethyl]-  
P014 Benzenethiol  
P028 Benzyl chloride  
P015 Beryllium dust  
P016 Bis(chloromethyl) ether  
P017 Bromoacetone  
P018 Brucine  
P021 Calcium cyanide  
P123 Camphene, octachloro-  
P103 Carbamidosensoic acid  
P022 Carbon bisulfide  
P022 Carbon disulfide  
P095 Carbonyl chloride  
P033 Chlorine cyanide  
P023 Chloroacetaldehyde  
P024 p-Chloroaniline  
P026 1-(o-Chlorophenyl)thiourea  
P027 3-Chloropropionitrile  
P029 Copper cyanides  
P030 Cyanides (soluble cyanide salts), not  
elsewhere specified  
P031 Cyanogen  
P033 Cyanogen chloride  
P036 Dichlorophenylarsine  
P037 Dieldrin  
P038 Diethylarsine  
P039 O,O-Diethyl S-[2-(ethylthio)ethyl] phosphoro-  
dithioate  
P041 Diethyl-p-nitrophenyl phosphate  
P040 O,O-Diethyl O-pyrazinyl phosphorothioate  
P043 Diisopropyl fluorophosphate  
P044 Dimethoate  
P045 3,3-Dimethyl-1-(methylthio)-2-butanone, O-  
[(methylamino) carbonyl] oxime  
P071 O,O-Dimethyl O-p-nitrophenyl phosphorothioate  
P082 Dimethylnitrosamine  
P046 alpha, alpha-Dimethylphenethylamine  
P047 4,6-Dinitro-o-cresol and salts  
P034 4,6-Dinitro-o-cyclohexylphenol  
P048 2,4-Dinitrophenol  
P020 Dinoseb  
P085 Diphosphoramidate, octamethyl-  
P039 Disulfoton  
P049 2,4-Dithiobiuret  
P109 Dithiopyrophosphoric acid, tetraethyl ester  
P050 Endosulfan  
P088 Endothall  
P051 Endrin



P042 Epinephrine  
P046 Ethanamine, 1,1-dimethyl-2-phenyl-  
P084 Ethenamine, N-methyl-N-nitroso-  
P101 Ethyl cyanide  
P054 Etnylenimine  
P097 Famphur  
P056 Fluorine  
P057 Fluoroacetamide  
P058 Fluoroacetic acid, sodium salt  
P065 Fulminic acid, mercury (II) salt (R,T)  
P059 Heptachlor  
P051 1,2,3,4,10,10-Hexachloro-6,7-epoxy-  
1,4,4a,5,6,7,8,8a-octahydro-endo, endo-1, 4:5,  
8-dimethanonaphthalene  
P037 1,2,3,4,10,10-Hexachloro-6,7-epoxy-  
1,4,4a,5,6,7,8,8a-octahydro-endo, exo-1, 4:5,  
8-dimethanonaphthalene  
P060 1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-  
hexahydro-1,4:5,8-endo, endo-  
dimethanonaphthalene  
P004 1,2,3,4,10,10,-Hexachloro-1,4,4a,5,8,8a-  
nexahydro-1,4:5,8-endo, exo-  
dimethanonaphthalene  
P060 Hexachlorohexahydro-exo,exo-  
dimethanonaphthalene  
P062 Hexaethyl tetraphosphate  
P116 Hydrazinecarbothioamide  
P068 Hydrazine, methyl-  
P063 Hydrocyanic acid  
P063 Hydrogen cyanide  
P096 Hydrogen phosphide  
P064 Isocyanic acid, methyl ester  
P007 3(2H)-Isoxazolone, 5-(aminomethyl)-  
P092 Mercury, phenyl-, acetate  
P065 Mercury fulminate (R,T)  
P016 Methane, oxybis(chloro-  
P112 Methane, tetranitro- (R)  
P118 Methanethiol, trichloro-  
P059 4,7-Methano-1H-indene,1,4,5,6,7,8,8-  
heptachloro-3a,4,7,7a-tetrahydro-  
P066 Methomyl  
P067 2-Methylaziridine  
P068 Methyl hydrazine  
P064 Methyl isocyanate  
P069 2-Methylactonitrile  
P071 Methyl parathion  
P072 alpha-Naphthylthiourea  
P073 Nickel carbonyl  
P074 Nickel cyanide  
P074 Nickel (II) cyanide  
P073 Nickel tetracarbonyl  
P075 Nicotine and salts  
P076 Nitric oxide  
P077 p-Nitroaniline

P078 Nitrogen dioxide  
P076 Nitrogen (II) oxide  
P078 Nitrogen (IV) oxide  
P081 Nitroglycerine (R)  
P082 N-Nitrosodimethylamine  
P084 N-Nitrosomethylvinylamine  
P050 5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro, cyclic sulfite  
P085 Octamethylpyrophosphoramidate  
P087 Osmium oxide  
P087 Osmium tetroxide  
P088 7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid  
P089 Parathion  
P034 Phenol, 2-cyclohexyl-4,6-dinitro-  
P048 Phenol, 2,4-dinitro-  
P047 Phenol, 2,4,-dinitro-6-methyl-  
P020 Phenol, 2,4-dinitro-6-(1-methylpropyl)-  
P009 Phenol, 2,4,6-trinitro-, ammonium salt (R)  
P036 Phenyl dichloroarsine  
P092 Phenylmercuric acetate  
P093 N-Phenylthiourea  
P094 Phorate  
P095 Phosgene  
P096 Phosphine  
P041 Phosphoric acid, diethyl p-nitrophenyl ester  
P044 Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl]ester  
P043 Phosphorofluoric acid, bis(1-methylethyl)ester  
P094 Phosphorothioic acid, O,O-diethyl S-(ethylthio)methyl ester  
P089 Phosphorothioic acid, O,O-diethyl O-(p-nitrophenyl) ester  
P040 Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester  
P097 Phosphorothioic acid, O,O-dimethyl O-[p-((dimethylamino)-sulfonyl)phenyl]ester  
P110 Plumbane, tetraethyl-  
P098 Potassium cyanide  
P099 Potassium silver cyanide  
P070 Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime  
P101 Propanenitrile  
P027 Propanenitrile, 3-chloro-  
P069 Propanenitrile, 2-hydroxy-2-methyl-  
P081 1,2,3-Propanetriol, trinitrate- (R)  
P017 2-Propanone, 1-bromo-  
P102 Propargyl alcohol  
P003 2-Propenal  
P005 2-Propen-1-ol  
P067 1,2-Propylenimine  
P102 2-Propyn-1-ol  
P008 4-Pyridinamine  
P075 Pyridine, (S)-3-(1-methyl-2-pyrrolidinyl)-, and

	salts
P111	Pyrophosphoric acid, tetraethyl ester
P103	Selenourea
P104	Silver cyanide
P105	Sodium azide
P106	Sodium cyanide
P107	Strontium sulfide
P108	Strychnidin-10-one, and salts
P018	Strychnidin-10-one, 2,3-dimethoxy-
P108	Strychnine and salts
P115	Sulfuric acid, thallium(I) salt
P109	Tetraethyldithiopyrophosphate
P110	Tetraethyl lead
P111	Tetraethylpyrophosphate
P112	Tetranitromethane (R)
P062	Tetraphosphoric acid, hexaethyl ester
P113	Thallic oxide
P113	Thallium (III) oxide
P114	Thallium (I) selenite
P115	Thallium (I) sulfate
P045	Thiofanox
P049	Thioimidodicarbonic diamide
P014	Thiophenol
P116	Thiosemicarbazide
P026	Thiourea, (2-chlorophenyl)-
P072	Thiourea, 1-naphthalenyl-
P093	Thiourea, phenyl-
P123	Toxaphene
P118	Trichloromethanethiol
P119	Vanadic acid, ammonium salt
P120	Vanadium pentoxide
P120	Vanadium(V) oxide
P001	Warfarin, when present at concentration greater than 0.3%.
P121	Zinc cyanide
P122	Zinc phosphide, when present at concentrations greater than 10% (R,T)

- f) The commercial chemical products, manufacturing chemical intermediates or off-specification commercial chemical products referred to in subsections (a) through (d), are identified as toxic wastes (T) unless otherwise designated and are subject to the small quantity exclusion defined in Section 721.105(a) and (g). These wastes and their corresponding EPA Hazardous Waste Numbers are:

(Board Note: For the convenience of the regulated community, the primary hazardous properties of these materials have been indicated by the letters T (Toxicity), R (Reactivity), I (Ignitability) and C (Corrosivity). Absence of a letter indicates that the compound is only listed for toxicity.)

Hazardous

Waste No. Substance

U001 Acetaldehyde (I)  
 U034 Acetaldehyde, trichloro-  
 U187 Acetamide, N-(4-ethoxyphenyl)-  
 U005 Acetamide, N-9H-fluoren-2-yl-  
 U112 Acetic acid, ethyl ester (I)  
 U144 Acetic acid, lead salt  
 U214 Acetic acid, thallium(I) salt  
 U002 Acetone (I)  
 U003 Acetonitrile (I,T)  
 U248 3-(alpha-Acetylbenzyl)-4-hydroxycoumarin and  
 salts, when present at concentrations of 0.3%  
 or less  
 U004 Acetophenone  
 U005 2-Acetylaminofluorene  
 U006 Acetyl chloride (C,R,T)  
 U007 Acrylamide  
 U008 Acrylic acid (I)  
 U009 Acrylonitrile  
 U150 Alanine, 3-[p-bis(2-chloroethyl)amino] phenyl-  
 , L-  
 U328 2-Amino-1-methylbenzene  
 U353 4-Amino-1-methylbenzene  
 U011 Amitrole  
 U012 Aniline (I,T)  
 U014 Auramine  
 U015 Azaserine  
 U010 Azirino(2',3':3,4)pyrrolo(1,2-a)indole-4,7-  
 dione, 6-amino-8-(((aminocarbonyl)oxy)methyl)-  
 1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-,  
 U157 Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-  
 U016 Benz(c)acridine  
 U016 3,4-Benzacridine  
 U017 Benzal chloride  
 U018 Benz[a]anthracene  
 U018 1,2-Benzanthracene  
 U094 1,2-Benzanthracene, 7,12-dimethyl-  
 U012 Benzenamine (I,T)  
 U014 Benzenamine, 4,4'-carbonimidoylbis(N,N-  
 dimethyl-  
 U049 Benzenamine, 4-chloro-2-methyl-  
 U093 Benzenamine, N,N'-dimethyl-4-phenylazo-  
 U158 Benzenamine, 4,4'-methylenebis(2-chloro-  
 U222 Benzenamine, 2-methyl-, hydrochloride  
 U181 Benzenamine, 2-methyl-5-nitro  
 U019 Benzene (I,T)  
 U038 Benzeneacetic acid, 4-chloro-alpha-(4-  
 chlorophenyl)-alpha-hydroxy, ethyl ester  
 U030 Benzene, 1-bromo-4-phenoxy-  
 U037 Benzene, chloro-  
 U190 i,2-Benzenedicarboxylic acid anhydride  
 U028 1,2-Benzenedicarboxylic acid, [bis(2-ethyl-

hexyl)] ester  
U069 1,2-Benzenedicarboxylic acid, dibutyl ester  
U088 1,2-Benzenedicarboxylic acid, diethyl ester  
U102 1,2-Benzenedicarboxylic acid, dimethyl ester  
U107 1,2-Benzenedicarboxylic acid, di-n-octyl ester  
U070 Benzene, 1,2-dichloro-  
U071 Benzene, 1,3-dichloro-  
U072 Benzene, 1,4-dichloro-  
U017 Benzene, (dichloromethyl)-  
U223 Benzene, 1,3-diisocyanatomethyl- (R,T)  
U239 Benzene, dimethyl- (I,T)  
U201 1,3-Benzenediol  
U127 Benzene, hexachloro-  
U056 Benzene, hexahydro-(I)  
U188 Benzene, hydroxy-  
U220 Benzene, methyl-  
U105 Benzene, 1-methyl-1-2,4-dinitro-  
U106 Benzene, 1-methyl-2,6-dinitro-  
U203 Benzene, 1,2-methylenedioxy-4-allyl-  
U141 Benzene, 1,2-methylenedioxy-4-propenyl-  
U090 Benzene, 1,2-methylenedioxy-4-propyl-  
U055 Benzene, (1-methylethyl)- (I)  
U169 Benzene, nitro- (I,T)  
U183 Benzene, pentachloro-  
U185 Benzene, pentachloronitro-  
U020 Benzenesulfonic acid chloride (C,R)  
U020 Benzenesulfonyl chloride (C,R)  
U207 Benzene, 1,2,4,5-tetrachloro-  
U023 Benzene, (trichloromethyl)-(C,R,T)  
U234 Benzene, 1,3,5-trinitro- (R,T)  
U021 Benzidine  
U202 1,2-Benzisothiazolin-3-one, 1,1-dioxide  
U120 Benzo[j,k]fluorene  
U022 Benzo[a]pyrene  
U022 3,4-Benzopyrene  
U197 3-Benzoquinone  
U023 Benzotrichloride (C,R,T)  
U050 1,2-Benzphenanthrene  
U085 2,2'-Bioxirane (I,T)  
U021 (1,1'-Biphenyl)-4,4'-diamine  
U073 (1,1'-Biphenyl)-4,4'-diamine, 3,3'-dichloro-  
U091 (1,1'-Biphenyl)-4,4'-diamine, 3,3'-dimethoxy-  
U095 (1,1'-Biphenyl)-4,4'-diamine, 3,3'-dimethyl-  
U024 Bis(2-chloroethoxy) methane  
U027 Bis(2-chloroisopropyl) ether  
U244 Bis(dimethylthiocarbamoyl) disulfide  
U028 Bis(2-ethylhexyl) phthalate  
U246 Bromine cyanide  
U225 Bromoform  
U030 4-Bromophenyl phenyl ether  
U128 1,3-Butadiene, 1,1,2,3,4,4-hexachloro-  
U172 1-Butanamine, N-butyl-N-nitroso-  
U035 Butanoic acid, 4-[Bis(2-chloroethyl)amino]  
benzene-

U031 1-Butanol (I)  
U159 Butanone (I,T)  
U160 2-Butanone peroxide (R,T)  
U053 2-Butenal  
U074 2-Butene, 1,4-dichloro- (I,T)  
U031 n-Butyl alcohol (I)  
U136 Cacodylic acid  
U032 Calcium chromate  
U238 Carbamic acid, ethyl ester  
U178 Carbamic acid, methylnitroso-, ethyl ester  
U176 Carbamide, N-ethyl-N-nitroso-  
U177 Carbamide, N-methyl-N-nitroso-  
U219 Carbamide, thio-  
U097 Carbamoyl chloride, dimethyl  
U215 Carbonic acid, dithallium (I) salt  
U156 Carbonochloridic acid, methyl ester (I,T)  
U033 Carbon oxyfluoride (R,T)  
U211 Carbon tetrachloride  
U033 Carbonyl fluoride (R,T)  
U034 Chloral  
U035 Chlorambucil  
U036 Chlordane, technical  
U026 Chlornaphazine  
U037 Chlorobenzene  
U039 4-Chloro-m-cresol  
U041 1-chloro-2,3-epoxypropane  
U042 2-Chloroethyl vinyl ether  
U044 Chloroform  
U046 Chloromethyl methyl ether  
U047 beta-Chloronaphthalene  
U048 o-Chlorophenol  
U049 4-chloro-o-toluidine, hydrochloride  
U032 Chromic acid, calcium salt  
U050 Chrysene  
U051 Creosote  
U052 Cresols  
U052 Cresylic acid  
U053 Crotonaldehyde  
U055 Cumene (I)  
U246 Cyanogen bromide  
U197 1,4-Cyclohexadienedione  
U056 Cyclohexane (I)  
U057 Cyclohexanone (I)  
U130 1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-  
U058 Cyclophosphamide  
U240 2,4-D, salts and esters  
U059 Daunomycin  
U060 DDD  
U061 DDT  
U142 Decachlorooctahydro-1,3,4-metheno-2H-  
cyclobuta[c,d]-pentalen-2-one  
U062 Diallate  
U133 Diamine (R,T)  
U221 Diaminotoluene

U063 Dibenz[a,h]anthracene  
U063 1,2:5,6-Dibenzanthracene  
U064 1,2:7,8-Dibenzopyrene  
U064 Dibenz[a,i]pyrene  
U066 1,2-Dibromo-3-chloropropane  
U069 Dibutyl phthalate  
U062 S-(2,3-Dichloroallyl) diisopropylthiocarbamate  
U070 o-Dichlorobenzene  
U071 m-Dichlorobenzene  
U072 p-Dichlorobenzene  
U073 3,3'-Dichlorobenzidine  
U074 1,4-Dichloro-2-butene (I,T)  
U075 Dichlorodifluoromethane  
U192 3,5-Dichloro-N-(1,1-dimethyl-2-propynyl)  
benzamide  
U060 Dichlorodiphenyldichloroethane  
U061 Dichlorodiphenyltrichloroethane  
U078 1,1-Dichloroethylene  
U079 1,2-Dichloroethylene  
U025 Dichloroethyl ether  
U081 2,4-Dichlorophenol  
U082 2,6-Dichlorophenol  
U240 2,4-Dichlorophenoxyacetic acid, salts and  
esters  
U083 1,2-Dichloropropane  
U084 1,3-Dichloropropene  
U085 1,2:3,4-Diepoxybutane (I,T)  
U108 1,4-Diethylene dioxide  
U086 N,N-Diethylhydrazine  
U087 O,O-Diethyl-S-methyl-dithiophosphate  
U088 Diethyl phthalate  
U089 Diethylstilbestrol  
U148 1,2-Dihydro-3,6-pyridazinedione  
U090 Dihydrosafrole  
U091 3,3'-Dimethoxybenzidine  
U092 Dimethylamine (I)  
U093 Dimethylaminoazobenzene  
U094 7,12-Dimethylbenz[ajanthracene  
U095 3,3'-Dimethylbenzidine  
U096 alpha, alpha-Dimethylbenzylhydroperoxide (R)  
U097 Dimethylcarbonyl chloride  
U098 1,1-Dimethylhydrazine  
U099 1,2-Dimethylhydrazine  
U101 2,4-Dimethylphenol  
U102 Dimethyl phthalate  
U103 Dimethyl sulfate  
U105 2,4-Dinitrotoluene  
U106 2,6-Dinitrotoluene  
U107 Di-n-octyl phthalate  
U108 1,4-Dioxane  
U109 1,2-Diphenylhydrazine  
U110 Dipropylamine (I)  
U111 Di-N-propylnitrosoamine  
U001 Ethanal (I)

U174 Ethanamine, N-ethyl-N-nitroso-  
U067 Ethane, 1,2-dibromo-  
U076 Ethane, 1,1-dichloro-  
U077 Ethane, 1,2-dichloro-  
U114 1,2-Ethanediybiscarbamodithioic acid  
U131 Ethane, 1,1,1,2,2,2-hexachloro-  
U024 Ethane, 1,1'-[methylenebis(oxy)]bis(2-chloro-  
U247 Ethane, 1,1,1-trichloro-2,2-bis(p-  
methoxyphenol)-  
U003 Ethanenitrile (I,T)  
U117 Ethane, 1,1'-oxybis- (I)  
U025 Ethane, 1,1'-oxybis(2-chloro-  
U184 Ethane, pentachloro-  
U208 Ethane, 1,1,1,2-tetrachloro-  
U209 Ethane, 1,1,2,2-tetrachloro-  
U218 Ethanethioamide  
U227 Ethane, 1,1,2-trichloro-  
U043 Ethene, chloro-  
U042 Ethene, 2-chloroethoxy-  
U078 Ethene, 1,1-dichloro-  
U079 Ethene, trans-1,2-dichloro-  
U210 Ethene, 1,1,2,2-tetrachloro-  
U173 Ethanol, 2,2'-(nitrosoimino)bis-  
U004 Ethanone, 1-phenyl-  
U006 Ethanoyl chloride (C,R,T)  
U359 2-Ethoxyethanol  
U112 Ethyl acetate (I)  
U113 Ethyl acrylate (I)  
U238 Ethyl carbamate (urethan)  
U038 Ethyl 4,4'-dichlorobenzilate  
U114 Ethylenebis(dithiocarbamic acid)  
U067 Ethylene dibromide  
U077 Ethylene dichloride  
U359 Ethylene glycol monoethyl ether  
U115 Ethylene oxide (I,T)  
U116 Ethylene thiourea  
U117 Ethyl ether (I)  
U076 Ethylidene dichloride  
U118 Ethylmethacrylate  
U119 Ethyl methanesulfonate  
U139 Ferric dextran  
U120 Fluoranthene  
U122 Formaldehyde  
U123 Formic acid (C,T)  
U124 Furan (I)  
U125 2-Furancarboxaldehyde (I)  
U147 2,5-Furandione  
U213 Furan, tetrahydro- (I)  
U125 Furfural (I)  
U124 Furfuran (I)  
U206 D-Glucopyranose, 2-deoxy-2-(3-methyl-3-  
nitrosoureido)-  
U126 Glycidylaldehyde  
U163 Guanidine, N-nitroso-N-methyl-N'-nitro



U127 Hexachlorobenzene  
U128 Hexachlorobutadiene  
U129 Hexachlorocyclohexane (gamma isomer)  
U130 Hexachlorocyclopentadiene  
U131 Hexachloroethane  
U132 Hexachlorophene  
U243 Hexachloropropene  
U133 Hydrazine (R,T)  
U086 Hydrazine, 1,2-diethyl-  
U098 Hydrazine, 1,1-dimethyl-  
U099 Hydrazine, 1,2-dimethyl-  
U109 Hydrazine, 1,2-Diphenyl-  
U134 Hydrofluoric acid (C,T)  
U134 Hydrogen fluoride (C,T)  
U135 Hydrogen sulfide  
U096 Hydroperoxide, 1-methyl-1-phenylethyl- (R)  
U136 Hydroxydimethylarsine oxide  
U116 2-Imidazolidinethione  
U137 Indeno[1,2,3-cd]pyrene  
U139 Iron dextran  
U140 Isobutyl alcohol (I,T)  
U141 Isosafrole  
U142 Kepone  
U143 Lasiocarpene  
U144 Lead acetate  
U145 Lead phosphate  
U146 Lead subacetate  
U129 Lindane  
U147 Maleic anhydride  
U148 Maleic hydrazide  
U149 Malononitrile  
U150 Melphalan  
U151 Mercury  
U152 Methacrylonitrile (I,T)  
U092 Methanamine, N-methyl- (I)  
U029 Methane, bromo  
U045 Methane, chloro- (I,T)  
U046 Methane, chloromethoxy-  
U068 Methane, dibromo-  
U080 Methane, dichloro-  
U075 Methane, dichlorodifluoro-  
U138 Methane, iodo-  
U119 Methanesulfonic acid, ethyl ester  
U211 Methane, tetrachloro-  
U121 Methane, trichlorofluoro-  
U153 Methanethiol (I,T)  
U225 Methane, tribromo-  
U044 Methane, trichloro-  
U121 Methane, trichlorofluoro-  
U123 Methanoic acid (C,T)  
U036 4,7-Methanoindan, 1,2,4,5,6,7,8,8-octachloro-  
3a,4,7,7a-tetrahydro-  
U154 Methanol (I)  
U155 Methapyrilene

U154 Methyl alcohol (I)  
U029 Methyl bromide  
U186 1-Methylbutadiene (I)  
U045 Methyl chloride (I,T)  
U156 Methyl chlorocarbonate (I,T)  
U226 Methylchloroform  
U157 3-Methylcholanthrene  
U158 4,4'-Methylenebis(2-chloroaniline)  
U132 2,2'-Methylenebis(3,4,6-trichlorophenol)  
U068 Methylene bromide  
U080 Methylene chloride  
U122 Methylene oxide  
U159 Methyl ethyl ketone (I,T)  
U160 Methyl ethyl ketone peroxide (R,T)  
U138 Methyl iodide  
U161 Methyl isobutyl ketone (I)  
U162 Methyl methacrylate (I,T)  
U163 N-Methyl-N'-nitro-N-nitrosoguanidine  
U161 4-Methyl-2-pentanone (I)  
U164 Methylthiouracil  
U247 Methoxychlor  
U010 Mitomycin C  
U059 5,12-Naphthacenedione, (8S-cis)-8-acetyl-10-  
[(3-amino-2,3,6-trideoxy-alpha-L-lyxo-  
hexapyranosyl)oxyl]-7,8,9,10-tetrahydro-  
6,8,11-trihydroxy-1-methoxy-  
U165 Naphthalene  
U047 Naphthalene, 2-chloro-  
U166 1,4-Naphthalenedione  
U236 2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-  
dimethyl-(1,1'-biphenyl)-4,4'-diyl)]-  
bis(azo)bis(5-amino-4-hydroxy)-, tetrasodium  
salt  
U166 1,4-Naphthaquinone  
U167 1-Naphthylamine  
U168 2-Naphthylamine  
U167 alpha-Naphthylamine  
U168 beta-Naphthylamine  
U026 2-Naphthylamine, N,N'-bis(2-chloromethyl)-  
U169 Nitrobenzene (I,T)  
U170 p-Nitrophenol  
U171 2-Nitropropane (I,T)  
U172 N-Nitrosodi-n-butylamine  
U173 N-Nitrosodiethanolamine  
U174 N-Nitrosodiethylamine  
U111 N-Nitroso-N-propylamine  
U176 N-Nitroso-N-ethylurea  
U177 N-Nitroso-N-methylurea  
U178 N-Nitroso-N-methylurethane  
U179 N-Nitrosopiperidine  
U180 N-Nitrosopyrrolidine  
U181 5-Nitro-o-toluidine  
U193 1,2-Oxathiolane, 2,2-dioxide  
U058 2H-1,3,2-Oxazaphosphorine, 2-[bis(2-chloro-

ethyl)amino]tetrahydro-, oxide 2-  
U115 Oxirane (I,T)  
U041 Oxarane, 2-(chloromethyl)-  
U182 Paraldehyde  
U183 Pentachlorobenzene  
U184 Pentachloroethane  
U185 Pentachloronitrobenzene  
See F027 Pentachlorophenol  
U186 1,3-pentadiene (I)  
U187 Phenacetin  
U188 Phenol  
U048 Phenol, 2-chloro-  
U039 Phenol, 4-chloro-3-methyl-  
U081 Phenol, 2,4-dichloro-  
U082 Phenol, 2,6-dichloro-  
U101 Phenol, 2,4-dimethyl-  
U170 Phenol, 4-nitro-  
See F027 Phenol, pentachloro-  
See F027 Phenol, 2,3,4,6-tetrachloro-  
See F027 Phenol, 2,4,5-trichloro-  
See F027 Phenol, 2,4,6-trichloro-  
U137 1,10-(1,2-phenylene)pyrene  
U145 Phosphoric acid, lead salt  
U087 Phosphorodithioic acid, O,O-diethyl-, S-  
methyl-ester  
U189 Phosphorous sulfide (R)  
U190 Phthalic anhydride  
U191 2-Picoline  
U192 Pronamide  
U194 1-Propanamine (I,T)  
U110 1-Propanamine, N-propyl-(I)  
U066 Propane, 1,2-dibromo-3-chloro-  
U149 Propanedinitrile  
U171 Propane, 2-nitro- (I,T)  
U027 Propane, 2,2'-oxybis[2-chloro-  
U193 1,3-Propane sultone  
U235 1-Propanol, 2,3-dibromo-, phosphate (3:1)  
U126 1-Propanol, 2,3-epoxy-  
U140 1-Propanol, 2-methyl- (I,T)  
U002 2-Propanone (I)  
U007 2-Propenamide  
U084 Propene, 1,3-dichloro-  
U243 1-Propene, 1,1,2,3,3,3-hexachloro-  
U009 2-Propenenitrile  
U152 2-Propenenitrile, 2-methyl- (I,T)  
U008 2-Propenoic acid (I)  
U113 2-Propenoic acid, ethyl ester (I)  
U118 2-Propenoic acid, 2-methyl-, ethyl ester  
U162 2-Propenoic acid, 2-methyl-, methyl ester  
(I,T)  
See F027 Propionic acid, 2-(2,4,5-trichlorophenoxy)-  
U194 n-Propylamine (I,T)  
U083 Propylene dichloride  
U196 Pyridine

U155 Pyridine, 2-[(2-(dimethylamino)-2-  
thenylamino]-  
U179 Pyridine, hexahydro-N-nitroso-  
U191 Pyridine, 2-methyl-  
U164 4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-  
thioxo-  
U180 Pyrrole, tetrahydro-N-nitroso-  
U200 Reserpine  
U201 Resorcinol  
U202 Saccharin and salts  
U203 Safrole  
U204 Selenious acid  
U204 Selenium dioxide  
U205 Selenium disulfide (R,T)  
U015 L-Serine, diazoacetate (ester)  
See F027 Silvex  
U089 4,4'-Stilbenediol, alpha, alpha'-diethyl-  
U206 Streptozotocin  
U135 Sulfur hydride  
U103 Sulfuric acid, dimethyl ester  
U189 Sulfur phosphide (R)  
U205 Sulfur selenide (R,T)  
See F027 2,4,5-T  
U207 1,2,4,5-Tetrachlorobenzene  
U208 1,1,1,2-Tetrachloroethane  
U209 1,1,2,2-Tetrachloroethane  
U210 Tetrachloroethylene  
See F027 2,3,4,6-Tetrachlorophenol  
U213 Tetrahydrofuran (I)  
U214 Thallium (I) acetate  
U215 Thallium (I) carbonate  
U216 Thallium (I) chloride  
U217 Thallium (I) nitrate  
U218 Thioacetamide  
U153 Thiomethanol (I,T)  
U219 Thiourea  
U244 Thiram  
U220 Toluene  
U221 Toluenediamine  
U223 Toluene diisocyanate (R,T)  
U328 o-Toluidine  
U353 p-Toluidine  
U222 o-Toluidine hydrochloride  
U011 1H-1,2,4-Triazol-3-amine  
U226 1,1,1-Trichloroethane  
U227 1,1,2-Trichloroethane  
U228 Trichloroethene  
U228 Trichloroethylene  
U121 Trichloromonofluoromethane  
See F027 2,4,5-Trichlorophenol  
See F027 2,4,6-Trichlorophenol  
See F027 2,4,5-Trichlorophenoxyacetic acid  
U234 sym-Trinitrobenzene (R,T)  
U182 1,3,5-Trioxane, 2,4,5-trimethyl-

U235 Tris(2,3-dibromopropyl) phosphate  
U236 Trypan blue  
U237 Uracil, 5[bis(2-chloromethyl)amino]-  
U237 Uracil mustard  
U043 Vinyl chloride  
U248 Warfarin, when present at concentrations of  
0.3% or less  
U239 Xylene (I)  
U249 Zinc phosphide, when present at concentrations  
of 10% or less  
U200 Yohimban-16-carboxylic acid, 11,17-di-methoxy-  
18-[(3,4,5-trimethoxy-benzoyl)oxy]-,methyl  
ester

(Source: Amended at 12 Ill. Reg. ,  
effective )

TITLE 35: ENVIRONMENTAL PROTECTION  
SUBTITLE G: WASTE DISPOSAL  
CHAPTER I: POLLUTION CONTROL BOARD  
SUBCHAPTER c: HAZARDOUS WASTE OPERATING REQUIREMENTS

PART 725  
INTERIM STATUS STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS  
WASTE TREATMENT, STORAGE AND DISPOSAL FACILITIES

SUBPART A: GENERAL PROVISIONS

Section  
725.101 Purpose, Scope and Applicability  
725.104 Imminent Hazard Action

SUBPART B: GENERAL FACILITY STANDARDS

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725.110 Applicability  
725.111 USEPA Identification Number  
725.112 Required Notices  
725.113 General Waste Analysis  
725.114 Security  
725.115 General Inspection Requirements  
725.116 Personnel Training  
725.117 General Requirements for Ignitable, Reactive or  
Incompatible Wastes  
725.118 Location Standards

SUBPART C: PREPAREDNESS AND PREVENTION

Section  
725.130 Applicability  
725.131 Maintenance and Operation of Facility  
725.132 Required Equipment  
725.133 Testing and Maintenance of Equipment  
725.134 Access to Communications or Alarm System  
725.135 Required Aisle Space  
725.137 Arrangements with Local Authorities

SUBPART D: CONTINGENCY PLAN AND EMERGENCY PROCEDURES

Section  
725.150 Applicability  
725.151 Purpose and Implementation of Contingency Plan  
725.152 Content of Contingency Plan  
725.153 Copies of Contingency Plan  
725.154 Amendment of Contingency Plan  
725.155 Emergency Coordinator  
725.156 Emergency Procedures

SUBPART E: MANIFEST SYSTEM, RECORDKEEPING AND REPORTING

Section  
725.170 Applicability  
725.171 Use of Manifest System  
725.172 Manifest Discrepancies  
725.173 Operating Record  
725.174 Availability, Retention and Disposition of Records

725.175 Annual Report  
725.176 Unmanifested Waste Report  
725.177 Additional Reports

SUBPART F: GROUNDWATER MONITORING

Section  
725.190 Applicability  
725.191 Groundwater Monitoring System  
725.192 Sampling and Analysis  
725.193 Preparation, Evaluation and Response  
725.194 Recordkeeping and Reporting

SUBPART G: CLOSURE AND POST-CLOSURE

Section  
725.210 Applicability  
725.211 Closure Performance Standard  
725.212 Closure Plan; Amendment of Plan  
725.213 Closure; Time Allowed for Closure  
725.214 Disposal or Decontamination of Equipment,  
Structures and Soils  
725.215 Certification of Closure  
725.216 Survey Plat  
725.217 Post-closure Care and Use of Property  
725.218 Post-closure Plan; Amendment of Plan  
725.219 Post-Closure Notices  
725.220 Certification of Completion of Post-Closure Care

SUBPART H: FINANCIAL REQUIREMENTS

Section  
725.240 Applicability  
725.241 Definitions of Terms as Used in this Subpart  
725.242 Cost Estimate for Closure  
725.243 Financial Assurance for Closure  
725.244 Cost Estimate for Post-closure Care  
725.245 Financial Assurance for Post-closure Monitoring and  
Maintenance  
725.246 Use of a Mechanism for Financial Assurance of Both  
Closure and Post-closure Care  
725.247 Liability Requirements  
725.248 Incapacity of Owners or Operators, Guarantors or  
Financial Institutions  
725.251 Promulgation of Forms (Repealed)

SUBPART I: USE AND MANAGEMENT OF CONTAINERS

Section  
725.270 Applicability  
725.271 Condition of Containers  
725.272 Compatibility of Waste with Containers  
725.273 Management of Containers  
725.274 Inspections  
725.276 Special Requirements for Ignitable or Reactive  
Waste  
725.277 Special Requirements for Incompatible Wastes

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725.291	Assessment of Existing Tank System's Integrity
725.292	Design and Installation of New Tank Systems or Components
725.293	Containment and Detection of Releases
725.294	General Operating Requirements
725.295	Inspections
725.296	Response to leaks or spills and disposition of Tank Systems
725.297	Closure and Post-Closure Care
725.298	Special Requirements for Ignitable or Reactive Waste
725.299	Special Requirements for Incompatible Wastes
725.300	Waste Analysis and Trial Tests
725.301	Generators of 100 to 1000 kg/mo.

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725.320	Applicability
725.321	Design Requirements
725.322	General Operating Requirements
725.323	Containment System
725.325	Waste Analysis and Trial Tests
725.326	Inspections
725.328	Closure and Post-Closure Care
725.329	Special Requirements for Ignitable or Reactive Waste
725.330	Special Requirements for Incompatible Wastes

SUBPART L: WASTE PILES

Section	
725.350	Applicability
725.351	Protection from Wind
725.352	Waste Analysis
725.353	Containment
725.354	Design Requirements
725.356	Special Requirements for Ignitable or Reactive Waste
725.357	Special Requirements for Incompatible Wastes
725.358	Closure and Post-Closure Care

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725.370	Applicability
725.372	General Operating Requirements
725.373	Waste Analysis
725.376	Food Chain Crops
725.378	Unsaturated Zone (Zone of Aeration) Monitoring
725.379	Recordkeeping
725.380	Closure and Post-Closure
725.381	Special Requirements for Ignitable or Reactive Waste



725.382 Special Requirements for Incompatible Wastes

SUBPART N: LANDFILLS

Section

725.400 Applicability  
725.401 Design Requirements  
725.402 General Operating Requirements  
725.409 Surveying and Recordkeeping  
725.410 Closure and Post-Closure  
725.412 Special Requirements for Ignitable or Reactive Waste  
725.413 Special Requirements for Incompatible Wastes  
725.414 Special Requirements for Liquid Wastes  
725.415 Special Requirements for Containers  
725.416 Disposal of Small Containers of Hazardous Waste in Overpacked Drums (Lab Packs)

SUBPART O: INCINERATORS

Section

725.440 Applicability  
725.441 Waste Analysis  
725.445 General Operating Requirements  
725.447 Monitoring and Inspection  
725.451 Closure  
725.452 Interim Status Incinerators Burning Particular Hazardous Wastes

SUBPART P: THERMAL TREATMENT

Section

725.470 Other Thermal Treatment  
725.473 General Operating Requirements  
725.475 Waste Analysis  
725.477 Monitoring and Inspections  
725.481 Closure  
725.482 Open Burning; Waste Explosives  
725.483 Interim Status Thermal Treatment Devices Burning Particular Hazardous Waste

SUBPART Q: CHEMICAL, PHYSICAL AND BIOLOGICAL TREATMENT

Section

725.500 Applicability  
725.501 General Operating Requirements  
725.502 Waste Analysis and Trial Tests  
725.503 Inspections  
725.504 Closure  
725.505 Special Requirements for Ignitable or Reactive Waste  
725.506 Special Requirements for Incompatible Wastes

SUBPART R: UNDERGROUND INJECTION

Section

725.530 Applicability

Appendix A Recordkeeping Instructions

- Appendix B EPA Report Form and Instructions (Repealed)
- Appendix C EPA Interim Primary Drinking Water Standards
- Appendix D Tests for Significance
- Appendix E Examples of Potentially Incompatible Waste

AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1985, ch. 111-1/2, pars. 1022.4 and 1027).

SOURCE: Adopted in R81-22, 43 PCB 427, at 5 Ill. Reg. 9781, effective as noted in 35 Ill. Adm. Code 700.106; amended and codified in R81-22, 45 PCB 317, at 6 Ill. Reg. 4828, effective as noted in 35 Ill. Adm. Code 700.106; amended in R82-18, 51 PCB 831, at 7 Ill. Reg. 2518, effective February 22, 1983; amended in R82-19, 53 PCB 131, at 7 Ill. Reg. 14034, effective October 12, 1983; amended in R84-9, at 9 Ill. Reg. 11869, effective July 24, 1985; amended in R85-22 at 10 Ill. Reg. 1085, effective January 2, 1986; amended in R86-1 at 10 Ill. Reg. 14069, effective August 12, 1986; amended in R86-28 at 11 Ill. Reg. 6044, effective March 24, 1987; amended in R86-46 at 11 Ill. Reg. 13489, effective August 4, 1987; amended in R87-5 at 11 Ill. Reg. 19338, effective November 10, 1987; amended in R87-26 at 12 Ill. Reg. , effective .

#### SUBPART K: SURFACE IMPOUNDMENTS

##### Section 725.328 Closure and Post-closure Care

- a) At closure, the owner or operator may elect to remove from the impoundment:
  - 1) Standing liquids;
  - 2) Waste and waste residues;
  - 3) The liner, if any; and
  - 4) Underlying and surrounding contaminated soil.
- b) If the owner or operator removes all the impoundment materials in paragraph (a) of this section, or can demonstrate under 721.103(c) and (d) that none of the materials listed in paragraph (a) of this section remaining at any stage of removal are hazardous wastes, the impoundment is not further subject to the requirement of this Part.

Comment: At closure, as throughout the operating period, unless the owner or operator can demonstrate, in accordance with 721.103(c) or (d) that any solid waste removed from the surface impoundment is not a hazardous waste, he becomes a generator of hazardous waste and must manage it in accordance with all applicable requirements of Parts 722, 723 and 725. The surface

impoundment may be subject to 40 CFR Part 257 even if it is not subject to this Part.

- e) If the owner or operator does not remove all the impoundment materials in paragraph (a) of this section or does not make the demonstration in paragraph (b) of this section, he must close the impoundment and provide post-closure care as for a landfill under Subpart G and -725.410. If necessary to support the final cover specified in the approved closure plan, the owner or operator must treat remaining liquids, residues and soils by removal of liquids, drying or other means.

Comment: The closure requirements under -725.410 will vary with the amount and nature of the residue remaining, if any, and the degree of contamination of the underlying and surrounding soil. Section 725.217(d) allows the Director or Board to vary post-closure requirements.

a) At closure, the owner or operator shall:

- 1) Remove or decontaminate all waste residues, contaminated containment system components (liners, etc.), contaminated subsoils and structures and equipment contaminated with waste or leachate, and manage them as hazardous waste unless 35 Ill. Adm. Code 721.103(d) applies; or
- 2) Close the impoundment and provide post-closure care for a landfill under Subpart G and Section 725.410, including the following:
  - A) Eliminate free liquids by removing liquid wastes or solidifying the remaining wastes and waste residues;
  - B) Stabilize remaining wastes to a bearing capacity sufficient to support final cover; and
  - C) Cover the surface impoundment with a final cover designed and constructed to:
    - i) Provide long-term minimization of the migration of liquids through the closed impoundment;
    - ii) Function with minimum maintenance;
    - iii) Promote drainage and minimize erosion or abrasion of the cover;
    - iv) Accommodate settling and subsidence so

that the cover's integrity is maintained;  
and

v) Have a permeability less than or equal to  
the permeability of any bottom liner  
system or natural subsoils present.

b) In addition to the requirements of Subpart G and Section  
725.410, during the post-closure care period the owner  
or operator of a surface impoundment in which wastes,  
waste residues or contaminated materials remain after  
closure in accordance with subsection (a)(2) shall:

- 1) Maintain the integrity and effectiveness of the  
final cover, including making repairs to the cover  
as necessary to correct the effects of settling,  
subsidence, erosion or other events;
- 2) Maintain and monitor the groundwater monitoring  
system and comply with all other applicable  
requirements of Subpart F; and
- 3) Prevent run-on and run-off from eroding or damaging  
the final cover.

(Source: Amended at 12 Ill. Reg. ,  
effective )

TITLE 35: ENVIRONMENTAL PROTECTION  
SUBTITLE G: WASTE DISPOSAL  
CHAPTER I: POLLUTION CONTROL BOARD  
SUBCHAPTER b: HAZARDOUS WASTE OPERATING REQUIREMENTS

PART 726  
STANDARDS FOR THE MANAGEMENT OF SPECIFIC HAZARDOUS WASTE  
AND SPECIFIC TYPES OF HAZARDOUS WASTE MANAGEMENT FACILITIES

SUBPART C: RECYCLABLE MATERIALS USED IN A MANNER  
CONSTITUTING DISPOSAL

Section	
726.120	Applicability
726.121	Standards applicable to generators and transporters of materials used in a manner that constitutes disposal
726.122	Standards applicable to storers, who are not the ultimate users, of materials that are to be used in a manner that constitutes disposal
726.123	Standards applicable to users of materials that are used in a manner that constitutes disposal

SUBPART D: HAZARDOUS WASTE BURNED FOR ENERGY RECOVERY

Section	
726.130	Applicability
726.131	Prohibitions
726.132	Standards applicable to generators of hazardous waste fuel
726.133	Standards applicable to transporters of hazardous waste fuel
726.134	Standards applicable to marketers of hazardous waste fuel
726.135	Standards applicable to burners of hazardous waste fuel
726.136	Conditional exemption for spent materials and by-products exhibiting a characteristic of hazardous waste

SUBPART E: USED OIL BURNED FOR ENERGY RECOVERY

Section	
726.140	Applicability
726.141	Prohibitions
726.142	Standards applicable to generators of used oil burned for energy recovery
726.143	Standards applicable to marketers of used oil burned for energy recovery
726.144	Standards applicable to burners of used oil burned for energy recovery

SUBPART F: RECYCLABLE MATERIALS UTILIZED FOR PRECIOUS METAL  
RECOVERY

Section	
726.170	Applicability and requirements

SUBPART G: SPENT LEAD-ACID BATTERIES BEING RECLAIMED

Section  
726.180

Applicability and requirements

AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1985, ch. 111 1/2, pars. 1022.4 and 1027).

SOURCE: Adopted in R85-22 at 10 Ill. Reg. 1162, effective January 2, 1986; amended in R86-1 at 10 Ill. Reg. 14156, effective August 12, 1986; amended in R87-26 at 12 Ill. Reg. , effective .

SUBPART C: RECYCLABLE MATERIALS USED IN A MANNER  
CONSTITUTING DISPOSAL

Section 726.120 Applicability

- a) The regulations of this Subpart apply to recyclable materials that are applied to or placed on the land;
  - 1) ~~w~~Without mixing with any other substance(s); or
  - 2) ~~a~~After mixing or combination with any other substance(s)-, unless the recyclable material undergoes a chemical reaction so as to become inseparable from the other substance(s) by physical means; or
  - 3) after combination with any other substance(s) if the resulting combined material is not produced for the general public's use-. These materials will be referred to throughout this Subpart as "materials used in a manner that constitutes disposal."
- b) Products produced for the general public's use that are used in a manner that constitutes disposal and that contain recyclable materials are not presently subject to regulation under this Subpart if the recyclable materials have undergone a chemical reaction in the course of producing the product so as to become inseparable by physical means. Commercial fertilizers that are produced for the general public's use that contain recyclable materials also are not presently subject to regulation under this Subpart.

(Source: Amended at 12 Ill. Reg. ,  
effective )

SUBPART D: HAZARDOUS WASTE BURNED FOR ENERGY RECOVERY

Section 726.131 Prohibitions

- a) A person may market hazardous waste fuel only:
  - 1) To persons who have notified USEPA of their hazardous waste fuel activities ~~under section 3010 of the Resource Conservation and Recovery Act~~ and have a USEPA identification number (35 Ill. Adm. Code 722.112); and
  - 2) If the fuel is burned, to persons who burn the fuel in boilers or industrial furnaces identified in subsection (b).
  
- b) Hazardous waste fuel may be burned for energy recovery in only the following devices:
  - 1) Industrial furnaces identified in 35 Ill. Adm. Code 720.110;
  - 2) Boilers, as defined in 35 Ill. Adm. Code 720.110 that are identified as follows:
    - A) Industrial boilers located on the site of a facility engaged in a manufacturing process where substances are transformed into new products, including the component parts of products, by mechanical or chemical processes; or
    - B) Utility boilers used to produce electric power, steam or heated or cooled air or other gases or fluids for sale.
  
- c) No fuel which contains any hazardous waste may be burned in any cement kiln which is located within the boundaries of any incorporated municipality with a population greater than 500,000 (based on the most recent census statistics) unless such kiln fully complies with regulations under 35 Ill. Adm. Code 702, 703, 724 and 725 that are applicable to incinerators.

(Source: Amended at 12 Ill. Reg. ,  
effective )

Section 726.134 Standards applicable to marketers of hazardous waste fuel

Persons who market hazardous waste fuel are called "marketers", and are subject to the following requirements. Marketers include generators who market hazardous waste fuel directly to a burner, persons who receive hazardous waste fuel from generators and produce, process or blend hazardous waste fuel from these hazardous wastes and persons who distribute but do not process or blend hazardous waste fuel.

- a) Prohibitions. The prohibitions under Section 726.131(a);
- b) Notification. Notification- requirements under Section ~~3010~~ of the Resource Conservation and Recovery Act for ~~of~~ hazardous waste fuel activities. Even if a marketer has previously notified USEPA of the marketer's hazardous waste management activities and obtained a USEPA identification number, the marketer ~~must~~ shall renotify to identify the marketer's hazardous waste fuel activities.
- c) Storage. The applicable provisions of 35 Ill. Adm. Code 702, 703, 722.134, 724.Subparts A through L and 725.Subparts A through L;
- d) Off-site shipment. The standards for generators in 35 Ill. Adm. Code 722 when a marketer initiates a shipment of hazardous waste fuel;
- e) Required notices.
  - 1) Before a marketer initiates the first shipment of hazardous waste fuel to a burner or another marketer, the marketer ~~must~~ shall obtain a one-time written and signed notice from the burner or marketer certifying that:
    - A) The burner or marketer has notified USEPA ~~under Section 3010 of the Resource Conservation and Recovery Act~~ and identified the burner or marketer's waste-as-fuel activities; and
    - B) If the recipient is a burner, the burner will burn the hazardous waste fuel only in an industrial furnace or boiler identified in ~~4-~~ 35 Ill. Adm. Code ~~721.131(b)~~ 726.131(b).
  - 2) Before a marketer accepts the first shipment of hazardous waste fuel from another marketer, the marketer ~~must~~ shall provide the other marketer with a one-time written and signed certification that the marketer has notified USEPA under Section 3010 of the Resource Conservation and Recovery Act and identified the marketer's hazardous waste fuel activities; and
- f) Recordkeeping. In addition to the applicable recordkeeping requirements of 35 Ill. Adm. Code 722, 724 and 725, a marketer ~~must~~ shall keep a copy of each certification notice the marketer receives or sends for three years from the date the marketer last engages in a hazardous waste fuel marketing transaction with the



person who sends or receives the certification notice.

(Source: Amended at 12 Ill. Reg. ,  
effective )

Section 726.135 Standards applicable to burners of hazardous waste fuel

Owners ~~or~~ and operators of industrial furnaces and boilers identified in Section 726.131(b) that burn hazardous waste fuel are "burners" and are subject to the following requirements:

- a) Prohibitions. The prohibitions under Section 726.131(b);
- b) Notification. Notification ~~requirements under Section 3010 of the Resource Conservation and Recovery Act for~~ of hazardous waste fuel activities. Even if a burner has previously notified USEPA of the burner's hazardous waste management activities and obtained a USEPA identification number, the burner ~~must~~ shall renotify to identify the burner's hazardous waste fuel activities.
- c) Storage.
  - 1) For short term accumulation by generators who burn their hazardous waste fuel on site, the applicable provisions of 35 Ill. Adm. Code 722.134;
  - 2) For existing storage facilities, the applicable provisions of 35 Ill. Adm. Code 702, 703 and 725.Subparts A through L; and
  - 3) For new storage facilities, the applicable provisions of 35 Ill. Adm. Code 702, 703 and 724.Subparts A through L;
- d) Required notices. Before a burner accepts the first shipment of hazardous waste fuel from marketer, the burner ~~must~~ shall provide the marketer a one-time written and signed notice certifying that:
  - 1) The burner has notified USEPA ~~under Section 3010 of the Resource Conservation and Recovery Act~~ and identified the burner's waste-as-fuel activities; and
  - 2) The burner will burn the fuel only in a boiler or furnace identified in Section 726.131(b).
- e) Recordkeeping. In addition to the applicable recordkeeping requirements of 35 Ill. Adm. Code 724 and 725 a burner ~~must~~ shall keep a copy of each

certification notice that the burner sends to a marketer for three years from the date the burner last receives hazardous waste fuel from that marketer.

(Source: Amended at 12 Ill. Reg. ,  
effective )

SUBPART E: USED OIL BURNED FOR ENERGY RECOVERY

Section 726.143 Standards applicable to marketers of used oil burned for energy recovery

- a) Persons who market used oil fuel are termed "marketers". ~~However, t-~~Except as provided below, marketers include generators who market used oil fuel directly to a burner, persons who receive used oil from generators and produce, process or blend used oil fuel from these used oils (including persons sending blended or processed used oil to brokers or other intermediaries), and persons who distribute but do not process or blend used oil fuel. The following persons are not marketers subject to this Subpart:
- 1) Used oil generators, and collectors who transport used oil received only from generators, unless the generator or collector markets the used oil directly to a person who burns it for energy recovery. However, persons who burn some used oil fuel for purposes of processing or other treatment to produce used oil fuel for marketing are considering to be burning incidentally to processing. Thus, generators and collectors who market to such incidental burners are not marketers subject to this Subpart;
  - 2) Persons who market only used oil fuel that meets the specification under Section 726.140(e) and who are not the first person to claim the oil meets the specification (i.e., marketers who do not receive used oil from generators or initial transporters and marketers who neither receive nor market off-specification used oil fuel).
- b) Marketers are subject to the following requirements:
- 1) Analysis of used oil fuel. Used oil fuel is subject to regulation under this Subpart unless the marketer obtains analyses or other information documenting that the used oil fuel meets the specification provided under Section 726.140(e);
  - 2) Prohibitions. The prohibitions under Section 726.141(a);

3) Notification. Notification to USEPA stating the location and general description of used oil management activities. Even if a marketer has previously notified USEPA of the marketer's hazardous waste management activities under Section 3010 of the Resource Conservation and Recovery Act and obtained a USEPA identification number, the marketer ~~-must-~~shall renotify to identify the marketer's used oil management activities.

4) Invoice system. When a marketer initiates a shipment of off-specification used oil, the marketer ~~-must-~~shall prepare and send the receiving facility an invoice containing the following information:

- A) An invoice number;
- B) The marketer's own USEPA identification number and the USEPA identification number of the receiving facility;
- C) The names and addresses of the shipping and receiving facilities;
- D) The quantity of off-specification used oil to be delivered;
- E) The date(s) of shipment or delivery; and
- F) The following statement: "This used oil is subject to USEPA regulation under 40 CFR 266 and 35 Ill. Adm. Code 726:

(Board Note: Used oil that meets the definition of combustible liquid (flash point below 200 F but at or greater than 100 F) or flammable liquid (flash point below 100 F) is subject to Department of Transportation Hazardous Materials Regulations at 49 CFR 100 through 177 (1985).)

5) Required Notices.

- A) Before a marketer initiates the first shipment of off-specification used oil to a burner or other marketer, the marketer ~~-must-~~shall obtain a one-time written and signed notice from the burner or marketer certifying that:
  - i) The burner or marketer has notified USEPA stating the location and general description of the burner's or the marketer's used oil management

activities; and

ii) If the recipient is a burner, the burner will burn the off-specification used oil only in an industrial furnace or boiler identified in Section 726.141(b); and

B) Before a marketer accepts the first shipment of off-specification used oil from another marketer subject to the requirements of this Section, the marketer ~~must~~shall provide the marketer with a one-time written and signed notice certifying that the marketer has notified USEPA of the marketer's used oil management activities; and

6) Recordkeeping.

A) Used Oil Fuel That Meets the Specification. A marketer who first claims under subsection (b)(1) that used oil fuel meets the specification ~~must~~shall keep copies of analyses (or other information used to make the determination) of used oil for three years. Such marketers ~~must~~shall also record in an operating log and keep for three years the following information on each shipment of used oil fuel that meets the specification. Such used oil fuel is not subject to further regulation, unless it is subsequently mixed with hazardous waste or unless it is mixed with used oil so that it no longer meet the specification.

i) The name and address of the facility receiving the shipment;

ii) The quantity of used oil fuel delivered;

iii) The date of shipment or delivery; and

iv) A cross-reference to the record of used oil analysis (or other information used to make the determination that the oil meets the specification) required under subsection (b)(6)(A).

B) Off-Specification Used Oil Fuel. A marketer who receives or initiates an invoice under the requirements of this Section ~~must~~shall keep a copy of each invoice for three years from the date the invoice is received or prepared. In addition, a marketer ~~must~~shall keep a copy of each certification notice that

the marketer receives or sends for three years from the date the marketer last engages in an off-specification used oil fuel marketing transaction with the person who sends or receives the certification notice.

(Source: Amended at 12 Ill. Reg. ,  
effective )

Section 726.144 Standards applicable to burners of used oil burned for energy recovery

Owners and operators of facilities that burn used oil fuel are "burners" and are subject to the following requirements:


- a) Prohibition. The prohibition under Section 726.141(b);
- b) Notification. Burners of off-specification used oil fuel ~~must~~, and burners of used oil fuel who are the first to claim that the oil meets the specification provided under Section 726.140(e), except burners who burn specification oil that they generate, shall notify USEPA stating the location and general description of used oil management activities, ~~except that owners and operators of used oil-fired space heaters that burn used oil fuel under the provisions of Section 726.141(b)(2) are exempt from these notification requirements. Even if a burner has previously notified USEPA of the burner's hazardous waste management activities under Section 3010 of the Resource Conservation and Recovery Act and obtained an identification number, the burner must~~ shall renotify to identify the burner's used oil management activities. Burners of used oil fuel that meets the specification who receive such oil from a marketer that previously notified USEPA are not required to notify. Owners and operators of used oil-fired space heaters that burn used oil fuel under the provisions of Section 726.141(b)(2) are exempt from this notification requirement.
- c) Required notices. Before a burner accepts the first shipment of off-specification used oil fuel from a marketer, the burner ~~must~~ shall provide the marketer a one-time written and signed notice certifying that:
  - 1) The burner has notified USEPA stating that location and general description of the burner's used oil management activities; and
  - 2) The burner will burn the used oil only in an industrial furnace or boiler identified in Section 726.141(b); and
- d) Used oil fuel analysis.

- 1) Used oil fuel burned by the generator is subject to regulation under this Subpart unless the burner obtains analyses (or other information) documenting that the used oil meets the specification provided under Section 726.140(e).
  - 2) Burners who treat off-specification used oil fuel by processing, blending or other treatment to meet the specification provided under Section 726.140(e) ~~must~~ shall obtain analyses (or other information) documenting that the used oil meets the specification.
- e) Recordkeeping. A burner who receives an invoice under the requirements of this Section ~~must~~ shall keep a copy of each invoice for three years from the date the invoice is received. Burners ~~must~~ shall also keep for three years copies of analyses of used oil-~~f~~ - fuel as may be required by subsection (d). In addition, the burner ~~must~~ shall keep a copy of each certification notice that the burner sends to a marketer for three years from the date the burner last receives off-specification used oil from that marketer.

(Source: Amended at 12 Ill. Reg. ,  
effective )

IT IS SO ORDERED.

I, Dorothy M. Gunn, Clerk of the Illinois Pollution Control Board, hereby certify that the above Order was adopted on the 3rd day of December, 1987, by a vote of 7-0.

  
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Dorothy M. Gunn, Clerk  
Illinois Pollution Control Board