

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

- 1) Heading of the Part: Standards for the Management of Specific Hazardous Waste and Specific Types of Hazardous Waste Management Facilities
- 2) Code Citation: 35 Ill. Adm. Code 726
- 3) Section Numbers:
- |                |           |
|----------------|-----------|
| 726.120        | Amendment |
| 726.APPENDIX A | Amendment |
| 726.APPENDIX B | Amendment |
| 726.APPENDIX C | Amendment |
| 726.APPENDIX D | Amendment |
| 726.APPENDIX E | Amendment |
| 726.APPENDIX F | Amendment |
| 726.APPENDIX G | Amendment |
| 726.APPENDIX H | Amendment |
| 726.APPENDIX I | Amendment |
| 726.APPENDIX K | Amendment |
| 726.APPENDIX L | Amendment |
| 726.APPENDIX M | Amendment |
| 726.TABLE A    | Amendment |
- Proposed Action:
- Amendment  
Amendment  
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Amendment
- RECEIVED  
CLERK'S OFFICE  
NOV 21 2012  
STATE OF ILLINOIS  
Pollution Control Board
- R13-5
- 4) Statutory Authority: 415 ILCS 5/7.2, 22.4, and 27
- 5) A Complete Description of the Subjects and Issues Involved: The amendments to Part 726 are a single segment of the docket R13-5 rulemaking that also affects 35 Ill. Adm. Code 720 and 721, each of which is covered by a separate notice in this issue of the Illinois Register. To save space, a more detailed description of the subjects and issues involved in the docket R13-5 rulemaking in this issue of the Illinois Register only in the answer to question 5 in the Notice of Adopted Amendments for 35 Ill. Adm. Code 720. A comprehensive description is contained in the Board's opinion and order of November 1, 2012, proposing amendments in docket R13-5, which opinion and order is available from the address below.

Specifically, the amendments to Part 726 implement segments of the federal amendments of April 13, 2012. The amendments clarified the one-time notification requirement for recyclable materials that are used in a manner the constitutes disposal. The Board has included a limited number of corrections and clarifying amendments that are not directly derived from the instant federal amendments.

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Tables appear in the Board's opinion and order of November 1, 2012 in docket R13-5 that list numerous corrections and amendments that are not based on current federal amendments. The tables contain deviations from the literal text of the federal amendments underlying these amendments, as well as corrections and clarifications that the Board made in the base text involved. Persons interested in the details of those corrections and amendments should refer to the November 1, 2012 opinion and order in docket R13-5.

Section 22.4 of the Environmental Protection Act [415 ILCS 5/22.4] provides that Section 5-35 of the Administrative Procedure Act [5 ILCS 100/5-35] does not apply to this rulemaking. Because this rulemaking is not subject to Section 5-35 of the IAPA, it is not subject to First Notice or to Second Notice review by the Joint Committee on Administrative Rules (JCAR).

- 6) Published studies or reports, and sources of underlying data, used to compose this rulemaking: None
- 7) Will these proposed amendments replace emergency rulemakings currently in effect? No
- 8) Does this rulemaking contain an automatic repeal date? No
- 9) Do these proposed amendments contain incorporations by reference? No. 35 Ill. Adm. Code 720.111 is the centralized location of all incorporations by reference for the purposes of all of 35 Ill. Adm. Code 702 through 705, 720 through 728, 730, 733, 738, and 739. The amendments update and revise a number of incorporations by reference in 35 Ill. Adm. Code 720.111 that are used for the purposes of Part 721.
- 10) Statement of Statewide Policy Objectives: These proposed amendments do not create or enlarge a state mandate, as defined in Section 3(b) of the State Mandates Act. [30 ILCS 805/3(b)].
- 11) Are there any other amendments pending on this Part? No
- 12) Time, Place and Manner in which interested persons may comment on this proposed rulemaking: The Board will accept written public comment on this proposal for a period of 45 days after the date of this publication. Comments should reference docket R13-5 and be addressed to:

John T. Therriault, Assistant Clerk  
Illinois Pollution Control Board

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State of Illinois Center, Suite 11-500  
100 W. Randolph St.  
Chicago, IL 60601

Phone: 312/814-3620

Please direct inquiries to the following person and reference docket R13-5:

Michael J. McCambridge  
Staff Attorney  
Illinois Pollution Control Board  
100 W. Randolph Street, Ste. 11-500  
Chicago, IL 60601

Phone: 312/814-6924  
E-mail: [mccambridge@illinois.gov](mailto:mccambridge@illinois.gov)

Request copies of the Board's opinion and order at 312-814-3620, or download a copy from the Board's Website at <http://www.ipcb.state.il.us>.

13) Initial Regulatory Flexibility Analysis:

- A) Types of small businesses, small municipalities, and not-for-profit corporations affected: This rulemaking may affect those small businesses, small municipalities, and not-for-profit corporations that generate, transport, treat, store, or dispose of hazardous waste. These proposed amendments do not create or enlarge a state mandate, as defined in Section 3(b) of the State Mandates Act. [30 ILCS 805/3(b) (2010)].
- B) Reporting, bookkeeping or other procedures required for compliance: The existing rules and proposed amendments require extensive reporting, bookkeeping and other procedures, including the preparation of manifests and annual reports, waste analyses and maintenance of operating records. These proposed amendments do not create or enlarge a state mandate, as defined in Section 3(b) of the State Mandates Act. [30 ILCS 805/3(b) (2010)].
- C) Types of professional skills necessary for compliance: Compliance with the existing rules and proposed amendments may require the services of an attorney, certified public accountant, chemist, and registered professional engineer. These proposed amendments do not create or enlarge a state mandate, as defined in

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Section 3(b) of the State Mandates Act. [30 ILCS 805/3(b)].

14) Regulatory Agenda on which this rulemaking was summarized: June 2012

The full text of the Proposed Amendments begins on the next page:

~~NOTICE OF PROPOSED AMENDMENTS~~

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

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

SUBPART A: GENERAL

Section  
726.102 Electronic Reporting

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

SUBPART E: USED OIL BURNED FOR ENERGY RECOVERY

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

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

SUBPART H: HAZARDOUS WASTE BURNED IN BOILERS  
AND INDUSTRIAL FURNACES

Section	
726.200	Applicability
726.201	Management Prior to Burning
726.202	Permit Standards for Burners
726.203	Interim Status Standards for Burners
726.204	Standards to Control Organic Emissions
726.205	Standards to Control PM
726.206	Standards to Control Metals Emissions
726.207	Standards to Control HCl and Chlorine Gas Emissions
726.208	Small Quantity On-Site Burner Exemption
726.209	Low Risk Waste Exemption
726.210	Waiver of DRE Trial Burn for Boilers
726.211	Standards for Direct Transfer
726.212	Regulation of Residues
726.219	Extensions of Time

SUBPART M: MILITARY MUNITIONS

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Section	
726.300	Applicability
726.301	Definitions
726.302	Definition of Solid Waste
726.303	Standards Applicable to the Transportation of Solid Waste Military Munitions
726.304	Standards Applicable to Emergency Responses
726.305	Standards Applicable to the Storage of Solid Waste Military Munitions
726.306	Standards Applicable to the Treatment and Disposal of Waste Military Munitions

SUBPART N: CONDITIONAL EXEMPTION FOR LOW-LEVEL MIXED WASTE  
STORAGE, TREATMENT, TRANSPORTATION AND DISPOSAL

Section	
726.310	Definitions
726.320	Storage and Treatment Conditional Exemption
726.325	Wastes Eligible for a Storage and Treatment Conditional Exemption for Low-Level Mixed Waste
726.330	Conditions to Qualify for and Maintain a Storage and Treatment Conditional Exemption
726.335	Treatment Allowed by a Storage and Treatment Conditional Exemption
726.340	Loss of a Storage and Treatment Conditional Exemption and Required Action
726.345	Reclaiming a Lost Storage and Treatment Conditional Exemption
726.350	Recordkeeping for a Storage and Treatment Conditional Exemption
726.355	Waste No Longer Eligible for a Storage and Treatment Conditional Exemption
726.360	Applicability of Closure Requirements to Storage Units
726.405	Transportation and Disposal Conditional Exemption
726.410	Wastes Eligible for a Transportation and Disposal Conditional Exemption
726.415	Conditions to Qualify for and Maintain a Transportation and Disposal Conditional Exemption
726.420	Treatment Standards for Eligible Waste
726.425	Applicability of the Manifest and Transportation Condition
726.430	Effectiveness of a Transportation and Disposal Exemption
726.435	Disposal of Exempted Waste
726.440	Containers Used for Disposal of Exempted Waste
726.445	Notification
726.450	Recordkeeping for a Transportation and Disposal Conditional Exemption
726.455	Loss of a Transportation and Disposal Conditional Exemption and Required Action
726.460	Reclaiming a Lost Transportation and Disposal Conditional Exemption
726.APPENDIX A	Tier I and Tier II Feed Rate and Emissions Screening Limits for

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	Metals
726.APPENDIX B	Tier I Feed Rate Screening Limits for Total Chlorine
726.APPENDIX C	Tier II Emission Rate Screening Limits for Free Chlorine and Hydrogen Chloride
726.APPENDIX D	Reference Air Concentrations
726.APPENDIX E	Risk-Specific Doses
726.APPENDIX F	Stack Plume Rise
726.APPENDIX G	Health-Based Limits for Exclusion of Waste-Derived Residues
726.APPENDIX H	Potential PICs for Determination of Exclusion of Waste-Derived Residues
726.APPENDIX I	Methods Manual for Compliance with BIF Regulations
726.APPENDIX J	Guideline on Air Quality Models (Repealed)
726.APPENDIX K	Lead-Bearing Materials that May be Processed in Exempt Lead Smelters
726.APPENDIX L	Nickel or Chromium-Bearing Materials that May Be Processed in Exempt Nickel-Chromium Recovery Furnaces
726.APPENDIX M	Mercury-Bearing Wastes that May Be Processed in Exempt Mercury Recovery Units
726.TABLE A	Exempt Quantities for Small Quantity Burner Exemption

AUTHORITY: Implementing Sections 7.2 and 22.4 and authorized by Section 27 of the Environmental Protection Act [415 ILCS 5/7.2, 22.4 and 27].

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. 2900, effective January 15, 1988; amended in R89-1 at 13 Ill. Reg. 18606, effective November 13, 1989; amended in R90-2 at 14 Ill. Reg. 14533, effective August 22, 1990; amended in R90-11 at 15 Ill. Reg. 9727, effective June 17, 1991; amended in R91-13 at 16 Ill. Reg. 9858, effective June 9, 1992; amended in R92-10 at 17 Ill. Reg. 5865, effective March 26, 1993; amended in R93-4 at 17 Ill. Reg. 20904, effective November 22, 1993; amended in R94-7 at 18 Ill. Reg. 12500, effective July 29, 1994; amended in R95-6 at 19 Ill. Reg. 10006, effective June 27, 1995; amended in R95-20 at 20 Ill. Reg. 11263, effective August 1, 1996; amended in R96-10/R97-3/R97-5 at 22 Ill. Reg. 754, effective December 16, 1997; amended in R97-21/R98-3/R98-5 at 22 Ill. Reg. 18042, effective September 28, 1998; amended in R99-15 at 23 Ill. Reg. 9482, effective July 26, 1999; amended in R00-13 at 24 Ill. Reg. 9853, effective June 20, 2000; amended in R02-1/R02-12/R02-17 at 26 Ill. Reg. 6667, effective April 22, 2002; amended in R03-7 at 27 Ill. Reg. 4200, effective February 14, 2003; amended in R03-18 at 27 Ill. Reg. 12916, effective July 17, 2003; amended in R06-5/R06-6/R06-7 at 30 Ill. Reg. 3700, effective February 23, 2006; amended in R06-16/R06-17/R06-18 at 31 Ill. Reg. 1096, effective December 20, 2006; amended in R07-5/R07-14 at 32 Ill. Reg. 12741, effective July 14, 2008;



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amended in R11-2/R11-16 at 35 Ill. Reg. 18117, effective October 14, 2011; amended in R13-5 at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_.

SUBPART C: RECYCLABLE MATERIALS USED IN A  
MANNER CONSTITUTING DISPOSAL

**Section 726.120 Applicability**

- a) The regulations of this Subpart C apply to recyclable materials that are applied to or placed on the land in either of the following ways:
  - 1) Without mixing with any other substances; or
  - 2) After mixing or combination with any other substances. These materials will be referred to throughout this Subpart C as "recyclable" materials used in a manner that constitutes disposal.22"
- b) A product produced for the general public's use that is used in a manner that constitutes disposal and which contains recyclable material is not presently subject to regulation under this Subpart C if the recyclable materials have undergone a chemical reaction in the course of producing the products so as to become inseparable by physical means and if such products meet the applicable treatment standards in Subpart D of 35 Ill. Adm. Code 728 (or applicable prohibition levels in 35 Ill. Adm. Code 728.132 or 728.139, where no treatment standards have been established) for each recyclable material (i.e., hazardous waste) that it contains, and the recycler complies with 35 Ill. Adm. Code 728.107(b)(6).
- c) Anti-skid and deicing uses of slags that are generated from high temperature metals recovery (HTMR) processing of hazardous wastes K061, K062, and F006 in a manner constituting disposal are not covered by the exemption in subsection (b) of this Section, and such uses of these materials remain subject to regulation.
- d) Fertilizers that contain recyclable materials are not subject to regulation provided that the following conditions are fulfilled:
  - 1) They are zinc fertilizers excluded from the definition of solid waste according to 35 Ill. Adm. Code 721.104(a)(21); or
  - 2) They meet the applicable treatment standards in Subpart D of 35 Ill. Adm.

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Code 728 for each hazardous waste that they contain.

(Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

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Section 726. ~~Appendix 726.~~ APPENDIX A Tier I and Tier II Feed Rate and Emissions Screening Limits for Metals

I-A

Tier I and Tier II Feed Rate and Emissions Screening Limits for Noncarcinogenic Metals for Facilities in Noncomplex Terrain

Values for Urban Areas

TESH <del>(m)</del>	Antimony- <del>(g/hr)</del>	Barium- <del>(g/hr)</del>	Lead <del>(g/hr)</del>	Mercury- <del>(g/hr)</del>	Silver <del>(g/hr)</del>	Thallium- <del>(g/hr)</del>
<u>(m)</u>	<u>(g/hr)</u>	<u>(g/hr)</u>	<u>(g/hr)</u>	<u>(g/hr)</u>	<u>(g/hr)</u>	<u>(g/hr)</u>
4	60.	10000.	18.	60.	600.	60.
6	68.	11000.	20.	68.	680.	68.
8	76.	13000.	23.	76.	760.	76.
10	86.	14000.	26.	86.	860.	86.
12	96.	17000.	30.	96.	960.	96.
14	110.	18000.	34.	110.	1100.	110.
16	130.	21000.	36.	130.	1300.	130.
18	140.	24000.	43.	140.	1400.	140.
20	160.	27000.	46.	160.	1600.	160.
22	180.	30000.	54.	180.	1800.	180.
24	200.	34000.	60.	200.	2000.	200.
26	230.	39000.	68.	230.	2300.	230.
28	260.	43000.	78.	260.	2600.	260.
30	300.	50000.	90.	300.	3000.	300.
35	400.	66000.	110.	400.	4000.	400.
40	460.	78000.	140.	460.	4600.	460.
45	600.	100000.	180.	600.	6000.	600.
50	780.	130000.	230.	780.	7800.	780.
55	960.	170000.	300.	960.	9600.	960.
60	1200.	200000.	360.	1200.	12000.	1200.
65	1500.	250000.	430.	1500.	15000.	1500.
70	1700.	280000.	500.	1700.	17000.	1700.
75	1900.	320000.	580.	1900.	19000.	1900.
80	2200.	360000.	640.	2200.	22000.	2200.
85	2500.	400000.	760.	2500.	25000.	2500.
90	2800.	460000.	820.	2800.	28000.	2800.

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95	3200.	540000.	960.	3200.	32000.	3200.
100	3600.	600000.	1100.	3600.	36000.	3600.
105	4000.	680000.	1200.	4000.	40000.	4000.
110	4600.	780000.	1400.	4600.	46000.	4600.
115	5400.	860000.	1600.	5400.	54000.	5400.
120	6000.	1000000.	1800.	6000.	60000.	6000.

I-B

Tier I and Tier II Feed Rate and Emissions Screening Limits for Noncarcinogenic  
 Metals for Facilities in Noncomplex Terrain

Values for Rural Areas

TESH-(m)	Antimony- (g/hr)	Barium- (g/hr)	Lead-(g/hr)	Mercury- (g/hr)	Silver-(g/hr)	Thallium- (g/hr)
(m)	(g/hr)	(g/hr)	(g/hr)	(g/hr)	(g/hr)	(g/hr)
4	31.	5200.	9.4	31.	310.	31.
6	36.	6000.	11.	36.	360.	36.
8	40.	6800.	12.	40.	400.	40.
10	46.	7800.	14.	46.	460.	46.
12	58.	9600.	17.	58.	580.	58.
14	68.	11000.	21.	68.	680.	68.
16	86.	14000.	26.	86.	860.	86.
18	110.	18000.	32.	110.	1100.	110.
20	130.	22000.	40.	130.	1300.	130.
22	170.	28000.	50.	170.	1700.	170.
24	220.	36000.	64.	220.	2200.	220.
26	280.	46000.	82.	280.	2800.	280.
28	350.	58000.	100.	350.	3500.	350.
30	430.	76000.	130.	430.	4300.	430.
35	720.	120000.	210.	720.	7200.	720.
40	1100.	180000.	320.	1100.	11000.	1100.
45	1500.	250000.	460.	1500.	15000.	1500.
50	2000.	330000.	600.	2000.	20000.	2000.
55	2600.	440000.	780.	2600.	26000.	2600.
60	3400.	580000.	1000.	3400.	34000.	3400.
65	4600.	760000.	1400.	4600.	46000.	4600.
70	5400.	900000.	1600.	5400.	54000.	5400.
75	6400.	1100000.	1900.	6400.	64000.	6400.

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80	7600.	1300000.	2300.	7600.	76000.	7600.
85	9400.	1500000.	2800.	9400.	94000.	9400.
90	11000.	1800000.	3300.	11000.	110000.	11000.
95	13000.	2200000.	3900.	13000.	130000.	13000.
100	15000.	2600000.	4600.	15000.	150000.	15000.
105	18000.	3000000.	5400.	18000.	180000.	18000.
110	22000.	3600000.	6600.	22000.	220000.	22000.
115	26000.	4400000.	7800.	26000.	260000.	26000.
120	31000.	5000000.	9200.	31000.	310000.	31000.

I-C

Tier I and Tier II Feed Rate and Emissions Screening Limits for Noncarcinogenic  
 Metals for Facilities in Complex Terrain

Values for Urban and Rural Areas

TESH-(m)	Antimony- (g/hr)	Barium- (g/hr)	Lead-(g/hr)	Mercury- (g/hr)	Silver-(g/hr)	Thallium- (g/hr)
(m)	(g/hr)	(g/hr)	(g/hr)	(g/hr)	(g/hr)	(g/hr)
4	14.	2400.	4.3	14.	140.	14.
6	21.	3500.	6.2	21.	210.	21.
8	30.	5000.	9.2	30.	300.	30.
10	43.	7600.	13.	43.	430.	43.
12	54.	9000.	17.	54.	540.	54.
14	68.	11000.	20.	68.	680.	68.
16	78.	13000.	24.	78.	780.	78.
18	86.	14000.	26.	86.	860.	86.
20	96.	16000.	29.	96.	960.	96.
22	100.	18000.	32.	100.	1000.	100.
24	120.	19000.	35.	120.	1200.	120.
26	130.	22000.	36.	130.	1300.	130.
28	140.	24000.	43.	140.	1400.	140.
30	160.	27000.	46.	160.	1600.	160.
35	200.	33000.	58.	200.	2000.	200.
40	240.	40000.	72.	240.	2400.	240.
45	300.	50000.	90.	300.	3000.	300.
50	360.	60000.	110.	360.	3600.	360.
55	460.	76000.	140.	460.	4600.	460.
60	580.	94000.	170.	580.	5800.	580.

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65	680.	110000.	210.	680.	6800.	680.
70	780.	130000.	240.	780.	7800.	780.
75	860.	140000.	260.	860.	8600.	860.
80	960.	160000.	290.	960.	9600.	960.
85	1100.	180000.	330.	1100.	11000.	1100.
90	1200.	200000.	360.	1200.	12000.	1200.
95	1400.	230000.	400.	1400.	14000.	1400.
100	1500.	260000.	460.	1500.	15000.	1500.
105	1700.	280000.	500.	1700.	17000.	1700.
110	1900.	320000.	580.	1900.	19000.	1900.
115	2100.	360000.	640.	2100.	21000.	2100.
120	2400.	400000.	720.	2400.	24000.	2400.

I-D

Tier I and Tier II Feed Rate and Emissions Screening Limits for Carcinogenic Metals for Facilities in Noncomplex Terrain

TESH (m)	Values for use in urban areas				Values for use in rural areas			
	Arsenic (g/hr)	Cadmium (g/hr)	Chromium (g/hr)	Beryllium (g/hr)	Arsenic (g/hr)	Cadmium (g/hr)	Chromium (g/hr)	Beryllium (g/hr)
4	0.46	1.1	0.17	0.82	0.24	0.58	0.086	0.43
6	0.54	1.3	0.19	0.94	0.28	0.66	0.10	0.50
8	0.60	1.4	0.22	1.1	0.32	0.76	0.11	0.56
10	0.68	1.6	0.24	1.2	0.36	0.86	0.13	0.64
12	0.76	1.8	0.27	1.4	0.43	1.1	0.16	0.78
14	0.86	2.1	0.31	1.5	0.54	1.3	0.20	0.96
16	0.96	2.3	0.35	1.7	0.68	1.6	0.24	1.2
18	1.1	2.6	0.40	2.0	0.82	2.0	0.30	1.5
20	1.2	3.0	0.44	2.2	1.0	2.5	0.37	1.9
22	1.4	3.4	0.50	2.5	1.3	3.2	0.48	2.4
24	1.6	3.9	0.58	2.8	1.7	4.0	0.60	3.0
26	1.8	4.3	0.64	3.2	2.1	5.0	0.76	3.9
28	2.0	4.8	0.72	3.6	2.7	6.4	0.98	5.0
30	2.3	5.4	0.82	4.0	3.5	8.2	1.2	6.2
35	3.0	6.8	1.0	5.4	5.4	13.	1.9	9.6
40	3.6	9.0	1.3	6.8	8.2	20.	3.0	15.

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45	4.6	11.	1.7	8.6	11.	28.	4.2	21.
50	6.0	14.	2.2	11.	15.	37.	5.4	28.
55	7.6	18.	2.7	14.	20.	50.	7.2	36.
60	9.4	22.	3.4	17.	27.	64.	9.6	48.
65	11.	28.	4.2	21.	36.	86.	13.	64.
70	13.	31.	4.6	24.	43.	100.	15.	76.
75	15.	36.	5.4	27.	50.	120.	18.	90.
80	17.	40.	6.0	30.	60.	140.	22.	110.
85	19.	46.	6.8	34.	72.	170.	26.	130.
90	22.	50.	7.8	39.	86.	200.	30.	150.
95	25.	58.	9.0	44.	100.	240.	36.	180.
100	28.	68.	10.	50.	120.	290.	43.	220.
105	32.	76.	11.	56.	140.	340.	50.	260.
110	36.	86.	13.	64.	170.	400.	60.	300.
115	40.	96.	15.	72.	200.	480.	72.	360.
120	46.	110.	17.	82.	240.	580.	86.	430.

I-E

Tier I and Tier II Feed Rate and Emissions Screening Limits for Carcinogenic Metals for Facilities in Complex Terrain

Values for Use in Urban and Rural Areas

TESH(m)	Arsenic (g/hr)	Cadmium (g/hr)	Chromium (g/hr)	Beryllium (g/hr)
4	0.11	0.26	0.040	0.20
6	0.16	0.39	0.058	0.29
8	0.24	0.58	0.086	0.43
10	0.35	0.82	0.13	0.62
12	0.43	1.0	0.15	0.76
14	0.50	1.3	0.19	0.94
16	0.60	1.4	0.22	1.1
18	0.68	1.6	0.24	1.2
20	0.76	1.8	0.27	1.3
22	0.82	1.9	0.30	1.5
24	0.90	2.1	0.33	1.6
26	1.0	2.4	0.36	1.8
28	1.1	2.7	0.40	2.0

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30	1.2	3.0	0.44	2.2
35	1.5	3.7	0.54	2.7
40	1.9	4.6	0.68	3.4
45	2.4	5.4	0.84	4.2
50	2.9	6.8	1.0	5.0
55	3.5	8.4	1.3	6.4
60	4.3	10.	1.5	7.8
65	5.4	13.	1.9	9.6
70	6.0	14.	2.2	11.
75	6.8	16.	2.4	12.
80	7.6	18.	2.7	13.
85	8.2	20.	3.0	15.
90	9.4	23.	3.4	17.
95	10.	25.	4.0	19.
100	12.	28.	4.3	21.
105	13.	32.	4.8	24.
110	15.	35.	5.4	27.
115	17.	40.	6.0	30.
120	19.	44.	6.4	33.

(Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)



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Section ~~726~~.Appendix 726.APPENDIX B Tier I Feed Rate Screening Limits for Total Chlorine

Tier I Feed Rate Screening Limits for Total Chlorine

<del>TESH (m)</del>	<del>Noncomplex Terrain Urban (g/hr)</del>	<del>Noncomplex Terrain Rural (g/hr)</del>	<del>Complex Terrain (g/hr)</del>
<u>TESH (m)</u>	<u>Noncomplex Terrain Urban (g/hr)</u>	<u>Noncomplex Terrain Rural (g/hr)</u>	<u>Complex Terrain (g/hr)</u>
4	82.	42.	19.
6	91.	48.	28.
8	100.	53.	41.
10	120.	62.	58.
12	130.	77.	72.
14	150.	91.	91.
16	170.	120.	110.
18	190.	140.	120.
20	210.	180.	130.
22	240.	230.	140.
24	270.	290.	160.
26	310.	370.	170.
28	350.	470.	190.
30	390.	580.	210.
35	530.	960.	260.
40	620.	1400.	330.
45	820.	2000.	400.
50	1100.	2600.	480.
55	1300.	3500.	620.
60	1600.	4600.	770.
65	2000.	6200.	910.
70	2300.	7200.	1100.
75	2500.	8600.	1200.
80	2900.	10000.	1300.
85	3300.	12000.	1400.
90	3700.	14000.	1600.
95	4200.	17000.	1800.
100	4800.	21000.	2000.
105	5300.	24000.	2300.

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110	6200.	29000.	2500.
115	7200.	35000.	2800.
120	8200.	41000.	3200.

(Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

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**Section ~~726~~.Appendix 726.APPENDIX C Tier II Emission Rate Screening Limits for Free Chlorine and Hydrogen Chloride**

TESH (m)	Noncomplex Terrain Urban areas		Noncomplex Terrain Rural areas		Complex Terrain Urban and rural areas	
	Chlorine- Gas (g/hr)	HCl (g/hr)	Chlorine- Gas (g/hr)	HCl (g/hr)	Chlorine- gas (g/hr)	HCl (g/hr)

TESH (m)	Noncomplex Terrain Urban areas		Noncomplex Terrain Rural areas		Complex Terrain Urban and rural areas	
	Chlorine Gas (g/hr)	HCl (g/hr)	Chlorine Gas (g/hr)	HCl (g/hr)	Chlorine gas (g/hr)	HCl (g/hr)
4	82.	1400.	42.	730.	19.	330.
6	91.	1600.	48.	830.	28.	490.
8	100.	1800.	53.	920.	41.	710.
10	120.	2000.	62.	1100.	58.	1000.
12	130.	2300.	77.	1300.	72.	1300.
14	150.	2600.	91.	1600.	91.	1600.
16	170.	2900.	120.	2000.	110.	1800.
18	190.	3300.	140.	2500.	120.	2000.
20	210.	3700.	180.	3100.	130.	2300.
22	240.	4200.	230.	3900.	140.	2400.
24	270.	4800.	290.	5000.	160.	2800.
26	310.	5400.	370.	6500.	170.	3000.
28	350.	6000.	470.	8100.	190.	3400.
30	390.	6900.	580.	10000.	210.	3700.
35	530.	9200.	960.	17000.	260.	4600.
40	620.	11000.	1400.	25000.	330.	5700.
45	820.	14000.	2000.	35000.	400.	7000.
50	1100.	18000.	2600.	46000.	480.	8400.
55	1300.	23000.	3500.	61000.	620.	11000.
60	1600.	29000.	4600.	81000.	770.	13000.
65	2000.	34000.	6200.	110000.	910.	16000.
70	2300.	39000.	7200.	130000.	1100.	18000.
75	2500.	45000.	8600.	150000.	1200.	20000.
80	2900.	50000.	10000.	180000.	1300.	23000.
85	3300.	58000.	12000.	220000.	1400.	25000.
90	3700.	66000.	14000.	250000.	1600.	29000.
95	4200.	74000.	17000.	300000.	1800.	32000.

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100	4800.	84000.	21000.	360000.	2000.	35000.
105	5300.	92000.	24000.	430000.	2300.	39000.
110	6200.	110000.	29000.	510000.	2500.	45000.
115	7200.	130000.	35000.	610000.	2800.	50000.
120	8200.	140000.	41000.	720000.	3200.	56000.

(Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

~~NOTICE OF PROPOSED AMENDMENTS~~

**Section ~~726.Appendix~~ 726.APPENDIX D Reference Air Concentrations**

BOARD NOTE: The RAC for other Appendix H to 35 Ill. Adm. Code 721 constituents not listed below or in Appendix E is 0.1 ~~µg~~µg/m<sup>3</sup>.

<u>Constituent</u>	<u>CAS No.</u>	<u>RAC (µg/m<sup>3</sup>)</u>
Acetaldehyde	75-07-0	10
Acetonitrile	75-05-8	10
Acetophenone	98-86-2	100
Acrolein	107-02-8	20
Aldicarb	116-06-3	1
Aluminum Phosphide	20859-73-8	0.3
Allyl Alcohol	107-18-6	5
Antimony	7440-36-0	0.3
Barium	7440-39-3	50
Barium Cyanide	542-62-1	50
Bromomethane	74-83-9	0.8
Calcium Cyanide	592-01-8	30
Carbon Disulfide	75-15-0	200
Chloral	75-87-6	2
Chlorine (free)		0.4
2-Chloro-1,3-butadiene	126-99-8	3
Chromium III	16065-83-1	1000
Copper Cyanide	544-92-3	5
Cresols	1319-77-3	50
Cumene	98-82-8	1
Cyanide (free)	57-12-15	20
Cyanogen	460-19-5	30
Cyanogen Bromide	506-68-3	80
Di-n-butyl Phthalate	84-74-2	100
o-Dichlorobenzene	95-50-1	10
p-Dichlorobenzene	106-46-7	10
Dichlorodifluoromethane	75-71-8	200
2,4-Dichlorophenol	120-83-2	3
Diethyl Phthalate	84-66-2	800
Dimethoate	60-51-5	0.8
2,4-Dinitrophenol	51-28-5	2

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Dinoseb	88-85-7	0.9
Diphenylamine	122-39-4	20
Endosulfan	115-29-1	0.05
Endrin	72-20-8	0.3
Fluorine	7782-41-4	50
Formic Acid	64-18-6	2000
Glycidylaldehyde	765-34-4	0.3
Hexachlorocyclopentadiene	77-47-4	5
Hexachlorophene	70-30-4	0.3
Hydrocyanic Acid	74-90-8	20
Hydrogen Chloride	7647-01-1	7
Hydrogen Sulfide	7783-06-4	3
Isobutyl Alcohol	78-83-1	300
Lead	7439-92-1	0.09
Maleic Anhydride	108-31-6	100
Mercury	7439-97-6	0.3
Methacrylonitrile	126-98-7	0.1
Methomyl	16752-77-5	20
Methoxychlor	72-43-5	50
Methyl Chlorocarbonate	79-22-1	1000
Methyl Ethyl Ketone	78-93-3	80
Methyl Parathion	298-00-0	0.3
Nickel Cyanide	557-19-7	20
Nitric Oxide	10102-43-9	100
Nitrobenzene	98-95-3	0.8
Pentachlorobenzene	608-93-5	0.8
Pentachlorophenol	87-86-5	30
Phenol	108-95-2	30
M-Phenylenediamine	108-45-2	5
Phenylmercuric Acetate	62-38-4	0.075
Phosphine	7803-51-2	0.3
Phthalic Anhydride	85-44-9	2000
Potassium Cyanide	151-50-8	50
Potassium Silver Cyanide	506-61-6	200
Pyridine	110-86-1	1
Selenious Acid	7783-60-8	3
Selenourea	630-10-4	5
Silver	7440-22-4	3
Silver Cyanide	506-64-9	100
Sodium Cyanide	143-33-9	30

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Strychnine	57-24-9	0.3
1,2,4,5-Tetrachlorobenzene	95-94-3	0.3
2,3,4,6-Tetrachlorophenol	58-90-2	30
Tetraethyl Lead	78-00-2	0.0001
Tetrahydrofuran	109-99-9	10
Thallic Oxide	1314-32-5	0.3
Thallium	7440-28-0	0.5
Thallium (I) Acetate	563-68-8	0.5
Thallium (I) Carbonate	6533-73-9	0.3
Thallium (I) Chloride	7791-12-0	0.3
Thallium (I) Nitrate	10102-45-1	0.5
Thallium Selenite	12039-52-0	0.5
Thallium (I) Sulfate	7446-18-6	0.075
Thiram	137-26-8	5
Toluene	108-88-3	300
1,2,4-Trichlorobenzene	120-82-1	20
Trichloromonofluoromethane	75-69-4	300
2,4,5-Trichlorophenol	95-95-4	100
Vanadium Pentoxide	1314-62-1	20
Warfarin	81-81-2	0.3
Xylenes	1330-20-7	80
Zinc Cyanide	557-21-1	50
Zinc Phosphide	1314-84-7	0.3

(Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

NOTICE OF PROPOSED AMENDMENTS

Section ~~726~~ **Appendix 726**. APPENDIX E Risk-Specific Doses

BOARD NOTE: These are risk specific doses (RSDs) based on a risk of 1 in 10,000 ( $1 \times 10^{-5}$ ).

Constituent	CAS No.	Unit risk ( $m^3/\mu g$ )	RSD ( $mg/m^3$ ) ( $\mu g/m^3$ )
Constituent	CAS No.	Unit risk ( $m^3/\mu g$ )	RSD ( $\mu g/m^3$ )
Acrylamide	79-06-1	0.0013	0.0077
Acrylonitrile	107-13-1	0.000068	0.15
Aldrin	309-00-2	0.0049	0.0020
Aniline	62-53-3	0.0000074	1.4
Arsenic	7440-38-2	0.0043	0.0023
Benz(a)anthracene	56-55-3	0.00089	0.011
Benzene	71-43-2	0.0000083	1.2
Benzidine	92-87-5	0.067	0.00015
Benzo(a)pyrene	50-32-8	0.0033	0.0030
Beryllium	7440-41-7	0.0024	0.0042
Bis(2-chloroethyl)ether	111-44-4	0.00033	0.030
Bis(chloromethyl)ether	542-88-1	0.062	0.00016
Bis(2-ethylhexyl)-phthalate	117-81-7	0.00000024	42.
1,3-Butadiene	106-99-0	0.00028	0.036
Cadmium	7440-43-9	0.0018	0.0056
Carbon Tetrachloride	56-23-5	0.000015	0.67
Chlordane	57-74-9	0.00037	0.027
Chloroform	67-66-3	0.000023	0.43
Chloromethane	74-87-3	0.0000036	2.8
Chromium VI	7440-47-3	0.012	0.00083
DDT	50-29-3	0.000097	0.10
Dibenz(a,h)anthracene	53-70-3	0.014	0.00071
1,2-Dibromo-3-chloropropane	96-12-8	0.0063	0.0016
<u>ro-propane</u>			
1,2-Dibromoethane	106-93-4	0.00022	0.045
1,1-Dichloroethane	75-34-3	0.000026	0.38
1,2-Dichloroethane	107-06-2	0.000026	0.38
1,1-Dichloroethylene	75-35-4	<del>0.000050</del> <u>0.00005</u>	0.20
1,3-Dichloropropene	542-75-6	0.35	0.000029
Dieldrin	60-57-1	0.0046	0.0022
Diethylstilbestrol	56-53-1	0.14	0.000071



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2,3,7,8-Tetrachlorodibenzo- <u>loro-dibenzo</u> -p-dioxin	<u>Tetrach</u> 1746-01-6	45.	0.00000022
1,1,2,2-Tetrachloroethane	79-34-5	0.000058	0.17
Tetrachloroethylene	127-18-4	0.00000048	21.
Thiourea	62-56-6	0.00055	0.018
1,1,2-Trichloroethane	79-00-5	0.000016	0.63
Trichloroethylene	79-01-6	0.0000013	7.7
2,4,6-Trichlorophenol	88-06-2	0.0000057	1.8
Toxaphene	8001-35-2	0.00032	0.031
Vinyl Chloride	75-01-4	0.0000071	1.4

(Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

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100.0 - 119.9	21	26	32	39	43	46	49	52	53	55	58
120.0 - 139.9	22	28	35	42	46	49	52	55	56	59	61
140.0 - 159.9	23	30	36	44	48	51	55	58	59	62	65
160.0 - 179.9	25	31	38	46	50	54	58	60	62	65	67
180.0 - 199.9	26	32	40	48	52	56	60	63	65	67	70
>199.9	26	33	41	49	54	58	62	65	67	69	73

(Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

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Section 726. ~~Appendix 726.~~ APPENDIX G Health-Based Limits for Exclusion of Waste-Derived Residues

NOTE 1: Under Section 726.212(b)(2)(A), the health-based concentration limits for Appendix H to 35 Ill. Adm. Code 721 constituents for which a health-based concentration is not provided below is  $2 \times 10^{-6}$  mg/kg (0.000002 mg/kg or 0.002 ~~µg~~ug/kg).

NOTE 2: The levels specified in this Section and the default level of 0.002 ~~µg~~ug/kg (0.000002 mg/kg) or the level of detection for constituents, as identified in Note 1, are administratively stayed under the condition, for those constituents specified in Section 726.212(b)(1), that the owner or operator complies with alternative levels defined as the land disposal restriction limits specified in 35 Ill. Adm. Code 728.143 and Table B to 35 Ill. Adm. Code 728 for F039 nonwastewaters. See Section 726.212(b)(2)(A).

Metals-TCLP Extract Concentration Limits

<del>Constituent</del>	<del>CAS No.</del>	<del>Concentration limits (mg/L)</del>
<u>Constituent</u>	<u>CAS No.</u>	<u>Concentration limits (mg/L)</u>
Antimony	7440-36-0	1.
Arsenic	7440-38-2	5.
Barium	7440-39-3	100.
Beryllium	7440-41-7	0.007
Cadmium	7440-43-9	1.
Chromium	7440-47-3	5.
Lead	7439-92-1	5.
Mercury	7439-97-6	0.2
Nickel	7440-02-0	70.
Selenium	7782-49-2	1.
Silver	7440-22-4	5.
Thallium	7440-28-0	7.

Nonmetals-Residue Concentration Limits

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Constituent CAS No. Concentration limits for residues (mg/kg)

<u>Constituent</u>	<u>CAS No.</u>	<u>Concentration limits (mg/L)</u>
Acetonitrile	75-05-8	0.2
Acetophenone	98-86-2	4.
Acrolein	107-02-8	0.5
Acrylamide	79-06-1	0.0002
Acrylonitrile	107-13-1	0.0007
Aldrin	309-00-2	0.00002
Allyl alcohol	107-18-6	0.2
Aluminum phosphide	20859-73-8	0.01
Aniline	62-53-3	0.06
Barium cyanide	542-62-1	1.
Benz(a)anthracene	56-55-3	0.0001
Benzene	71-43-2	0.005
Benzidine	92-87-5	0.000001
Bis(2-chloroethyl) ether	111-44-4	0.0003
Bis(chloromethyl) ether	542-88-1	0.000002
Bis(2-ethylhexyl) phthalate	117-81-7	30.
Bromoform	75-25-2	0.7
Calcium cyanide	592-01-8	0.000001
Carbon disulfide	75-15-0	4.
Carbon tetrachloride	56-23-5	0.005
Chlordane	57-74-9	0.0003
Chlorobenzene	108-90-7	1.
Chloroform	67-66-3	0.06
Copper cyanide	544-92-3	0.2
Cresols (Cresylic acid)	1319-77-3	2.
Cyanogen	460-19-5	1.
DDT	50-29-3	0.001
Dibenz(a, h)-anthracene	53-70-3	0.000007
1,2-Dibromo-3-chloropropane	96-12-8	0.00002
p-Dichlorobenzene	106-46-7	0.07.5
Dichlorodifluoromethane	75-71-8	7.
1,1-Dichloroethylene	75-35-4	0.005
2,4-Dichlorophenol	120-83-2	0.1

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1,3-Dichloropropene	542-75-6	0.001
Dieldrin	60-57-1	0.00002
Diethyl phthalate	84-66-2	30.
Diethylstilbestrol	56-53-1	0.0000001
Dimethoate	60-51-5	0.03
2,4-Dinitrotoluene	121-14-2	0.0005
Diphenylamine	122-39-4	0.9
1,2-Diphenylhydrazine	122-66-7	0.0005
Endosulfan	115-29-7	0.002
Endrin	72-20-8	0.0002
Epichlorohydrin	106-89-8	0.04
Ethylene dibromide	106-93-4	0.0000001
Ethylene oxide	75-21-8	0.0003
Fluorine	7782-41-4	4.
Formic acid	64-18-6	70.
Heptachlor	76-44-8	0.00008
Heptachlor epoxide	1024-57-3	0.00004
Hexachlorobenzene	118-74-1	0.0002
Hexachlorobutadiene	87-68-3	0.005
Hexachlorocyclopentadiene	77-47-4	0.2
Hexachlorodibenzo-p-dioxins	19408-74-3	0.0000001
Hexachloroethane	67-72-1	0.03
Hydrazine	302-01-1	0.0001
Hydrogen cyanide	74-90-8	0.00007
Hydrogen sulfide	7783-06-4	0.000001
Isobutyl alcohol	78-83-1	10.
Methomyl	16752-77-5	1.
Methoxychlor	72-43-5	0.1
3-Methylcholanthrene	56-49-5	0.00004
4,4'-Methylenebis (2-chloroaniline)	101-14-4	0.002
Methylene chloride	75-09-2	0.05
Methyl ethyl ketone (MEK)	78-93-3	2.
Methyl hydrazine	60-34-4	0.0003
Methyl parathion	298-00-0	0.02
Naphthalene	91-20-3	10.
Nickel cyanide	557-19-7	0.7

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Nitric oxide	10102-43-9	4.
Nitrobenzene	98-95-3	0.02
N-Nitrosodi-n-butylamine	924-16-3	0.00006
N-Nitrosodiethylamine	55-18-5	0.000002
N-Nitroso-N-methylurea	684-93-5	0.0000001
N-Nitrosopyrrolidine	930-55-2	0.0002
Pentachlorobenzene	608-93-5	0.03
Pentachloronitrobenzene (PCNB)	82-68-8	0.1
Pentachlorophenol	87-86-5	1.
Phenol	108-95-2	1.
Phenylmercury acetate	62-38-4	0.003
Phosphine	7803-51-2	0.01
Polychlorinated biphenyls, N.O.S	1336-36-3	0.00005
Potassium cyanide	151-50-8	2.
Potassium silver cyanide	506-61-6	7.
Pronamide	23950-58-5	3.
Pyridine	110-86-1	0.04
Reserpine	50-55-5	0.00003
Selenourea	630-10-4	0.2
Silver cyanide	506-64-9	4.
Sodium cyanide	143-33-9	1.
Strychnine	57-24-9	0.01
1,2,4,5-Tetrachlorobenzene	95-94-3	0.01
1,1,2,2-tetrachloroethane	79-34-5	0.002
Tetrachloroethylene	127-18-4	0.7
2,3,4,6-Tetrachlorophenol	58-90-2	0.01
Tetraethyl lead	78-00-2	0.000004
Thiourea	62-56-6	0.0002
Toluene	108-88-3	10.
Toxaphene	8001-35-2	0.005
1,1,2-Trichloroethane	79-00-5	0.006
Trichloroethylene	79-01-6	0.005
Trichloromonofluoromethane	75-69-4	10.
2,4,5-Trichlorophenol	95-95-4	4.
2,4,6-Trichlorophenol	88-06-2	4.
Vanadium pentoxide	1314-62-1	0.7
Vinyl chloride	75-01-4	0.002

(Source: Amended at 37 Ill. Reg. ———, effective ———)

NOTICE OF PROPOSED AMENDMENTS

Section 726. ~~Appendix 726.~~ APPENDIX H Potential PICs for Determination of Exclusion of Waste-Derived Residues

PICs Found in Stack Effluents

Volatiles	Semivolatiles
Volatiles	Semivolatiles
Benzene	Bis(2-ethylhexyl)phthalate
Toluene	Naphthalene
Carbon tetrachloride	Phenol
Chloroform	Diethyl phthalate
Methylene chloride	Butyl benzyl phthalate
Trichloroethylene	2,4-Dimethylphenol
Tetrachloroethylene	o-Dichlorobenzene
1,1,1-Trichloroethane	m-Dichlorobenzene
Chlorobenzene	p-Dichlorobenzene
cis-1,4-Dichloro-2-butene	Hexachlorobenzene
Bromochloromethane	2,4,6-Trichlorophenol
Bromodichloromethane	Fluoranthene
Bromoform	o-Nitrophenol
Bromomethane	1,2,4-Trichlorobenzene
Methylene bromide	o-Chlorophenol
Methyl ethyl ketone	Pentachlorophenol
	Pyrene
	Dimethyl phthalate
	Mononitrobenzene
	2,6-Toluene diisocyanate
	Polychlorinated dibenzo-p-dioxins <sup>1</sup>
	Polychlorinated dibenzo-furans <sup>1</sup>

<sup>1</sup> Analyses for polychlorinated dibenzo-p-dioxins and polychlorinated dibenzo-furans are required only for residues collected from areas downstream of the combustion chamber (e.g., ductwork, boiler tubes, heat exchange surfaces, air pollution control devices, etc.).

BOARD NOTE: Analysis is not required for those compounds that do not have an established F039 nonwastewater concentration limit.

(Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

NOTICE OF PROPOSED AMENDMENTS

**Section 726. ~~Appendix 726.~~ APPENDIX I Methods Manual for Compliance with BIF Regulations**

The document entitled, ""Methods Manual for Compliance with BIF Regulations: Burning Hazardous Waste in Boilers and Industrial Furnaces," December 1990, is available as appendix IX to 40 CFR 266 (Methods Manual for Compliance with the BIF Regulations), incorporated by reference in 35 Ill. Adm. Code 720.111(b). It is also available through NTIS, as described in the incorporation by reference.

(Source: Amended at 37 Ill. Reg. —, effective —————)



~~NOTICE OF PROPOSED AMENDMENTS~~

**Section 726. ~~Appendix 726.~~ APPENDIX K Lead-Bearing Materials that May be Processed in Exempt Lead Smelters**

- a) Exempt lead-bearing materials when generated or originally produced by lead-associated industries.

BOARD NOTE: Lead-associated industries are lead smelters, lead-acid battery manufacturing and lead chemical manufacturing (e.g., manufacturing of lead oxide or other lead compounds).

Acid dump/fill solids

Sump mud

Materials from laboratory analyses

Acid filters

Baghouse bags

Clothing (e.g., coveralls, aprons, shoes, hats, gloves)

Sweepings

Air filter bags and cartridges

Respiratory cartridge filters

Shop abrasive

Stacking boards

Waste shipping containers (e.g., cartons, bags, drums, cardboard)

Paper hand towels

Wiping rags and sponges

Contaminated pallets

~~NOTICE OF PROPOSED AMENDMENTS~~

Water treatment sludges, filter cakes, residues, and solids

Emission control dusts, sludges, filter cakes, residues, and solids from lead-associated industries (e.g., K069 and D008 wastes)

Spent grinds, posts and separators

Spent batteries

Lead oxide and lead oxide residues

Lead plates and groups

Spent battery cases, covers, and vents

Pasting belts

Water filter media

Cheesecloth from pasting rollers

Pasting additive bags

Asphalt paving materials

- b) Exempt lead-bearing materials when generated or originally produced by any industry.

Charging jumpers and clips

Platen abrasive

Fluff from lead wire and cable casings

Lead-based pigments and compounding pigment dust

(Source: Amended at 37 Ill. Reg. ———, effective ————)

~~NOTICE OF PROPOSED AMENDMENTS~~

**Section 726. ~~Appendix 726.~~ APPENDIX L Nickel or Chromium-Bearing Materials that May be Processed in Exempt Nickel-Chromium Recovery Furnaces**

- a) Exempt nickel or chromium-bearing materials when generated by manufacturers or users of nickel, chromium, or iron.

Baghouse bags

Raney nickel catalyst

Floor sweepings

Air filters

Electroplating bath filters

Wastewater filter media

Wood Pallets

Disposable clothing (coveralls, aprons, hats, and gloves)

Laboratory samples and spent chemicals

Shipping containers and plastic liners from containers or vehicles used to transport nickel or chromium-containing wastes

Respirator cartridge filters

Paper hand towels

- b) Exempt nickel or chromium-bearing materials when generated by any industry.

Electroplating wastewater treatment sludges (F006)

Nickel or chromium-containing solutions

Nickel or chromium-containing catalysts

Nickel-cadmium and nickel-iron batteries

NOTICE OF PROPOSED AMENDMENTS

Filter cake from wet scrubber system water treatment plants in the specialty steel industry

Filter cake from nickel-chromium alloy pickling operations

(Source: Amended at 37 Ill. Reg.         , effective                         )

NOTICE OF PROPOSED AMENDMENTS

**Section 726. ~~Appendix 726.~~ APPENDIX M Mercury-Bearing Wastes that May Be Processed in Exempt Mercury Recovery Units**

The following materials are exempt mercury-bearing materials containing less than 500 ppm of Appendix H to 35 Ill. Adm. Code 721 organic constituents, when generated by manufacturers or users of mercury or mercury products:

- Activated carbon
- Decomposer graphite
- Wood
- Paper
- Protective clothing
- Sweepings
- Respiratory cartridge filters
- Cleanup articles
- Plastic bags and other contaminated containers
- Laboratory and process control samples
- K106 and other wastewater treatment plant sludge and filter cake
- Mercury cell sump and tank sludge
- Mercury cell process solids
- Recoverable levels of mercury contained in soil

(Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

NOTICE OF PROPOSED AMENDMENTS

Section 726. ~~Table 726.~~ TABLE A Exempt Quantities for Small Quantity Burner Exemption

TESH (m)	Allowable Hazardous Waste Burning Rate (gal/mo)	TESH	Allowable Hazardous Waste Burning Rate (gal/mo)
0 to 3.9	0	40.0 to 44.9	210
4.0 to 5.9	13	45.0 to 49.9	260
6.0 to 7.9	18	50.0 to 54.9	330
8.0 to 9.9	27	55.0 to 59.9	400
10.0 to 11.9	40	60.0 to 64.9	490
12.0 to 13.9	48	65.0 to 69.9	610
14.0 to 15.9	59	70.0 to 74.9	680
16.0 to 17.9	69	75.0 to 79.9	760
18.0 to 19.9	76	80.0 to 84.9	850
20.0 to 21.9	84	85.0 to 89.9	960
22.0 to 23.9	93	90.0 to 94.9	1,100
24.0 to 25.9	100	95.0 to 99.9	1,200
26.0 to 27.9	110	100.0 to 104.9	1,300
28.0 to 29.9	130	105.0 to 109.9	1,500
30.0 to 34.9	140	110.0 to 114.9	1,700
35.0 to 39.9	170	115.0 or greater	1,900

(Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

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EXEMPT

JCAR350726-1216542r01

1 TITLE 35: ENVIRONMENTAL PROTECTION  
2 SUBTITLE G: WASTE DISPOSAL  
3 CHAPTER I: POLLUTION CONTROL BOARD  
4 SUBCHAPTER c: HAZARDOUS WASTE OPERATING REQUIREMENTS  
5

6 PART 726  
7 STANDARDS FOR THE MANAGEMENT OF SPECIFIC HAZARDOUS WASTE AND  
8 SPECIFIC TYPES OF HAZARDOUS WASTE MANAGEMENT FACILITIES  
9

10 SUBPART A: GENERAL  
11

12 Section  
13 726.102 Electronic Reporting  
14

15 SUBPART C: RECYCLABLE MATERIALS USED IN A  
16 MANNER CONSTITUTING DISPOSAL  
17

18 Section  
19 726.120 Applicability  
20 726.121 Standards Applicable to Generators and Transporters of Materials Used in a  
21 Manner that Constitutes Disposal  
22 726.122 Standards Applicable to Storers, Who Are Not the Ultimate Users, of Materials  
23 that Are To Be Used in a manner that Constitutes Disposal  
24 726.123 Standards Applicable to Users of Materials that Are Used in a Manner that  
25 Constitutes Disposal  
26

27 SUBPART D: HAZARDOUS WASTE BURNED FOR ENERGY RECOVERY  
28

29 Section  
30 726.130 Applicability (Repealed)  
31 726.131 Prohibitions (Repealed)  
32 726.132 Standards applicable to generators of hazardous waste fuel (Repealed)  
33 726.133 Standards applicable to transporters of hazardous waste fuel (Repealed)  
34 726.134 Standards applicable to marketers of hazardous waste fuel (Repealed)  
35 726.135 Standards applicable to burners of hazardous waste fuel (Repealed)  
36 726.136 Conditional exemption for spent materials and by-products exhibiting a  
37 characteristic of hazardous waste (Repealed)  
38

39 SUBPART E: USED OIL BURNED FOR ENERGY RECOVERY  
40

41 Section  
42 726.140 Applicability (Repealed)  
43 726.141 Prohibitions (Repealed)



- 44 726.142 Standards applicable to generators of used oil burned for energy recovery
- 45 (Repealed)
- 46 726.143 Standards applicable to marketers of used oil burned for energy recovery
- 47 (Repealed)
- 48 726.144 Standards applicable to burners of used oil burned for energy recovery (Repealed)

50 SUBPART F: RECYCLABLE MATERIALS UTILIZED FOR  
51 PRECIOUS METAL RECOVERY

- 52
- 53 Section
- 54 726.170 Applicability and Requirements

55

56 SUBPART G: SPENT LEAD-ACID BATTERIES BEING RECLAIMED

- 57 Section
- 58 726.180 Applicability and Requirements

59

60 SUBPART H: HAZARDOUS WASTE BURNED IN BOILERS  
61 AND INDUSTRIAL FURNACES

- 62
- 63 Section
- 64 726.200 Applicability
- 65 726.201 Management Prior to Burning
- 66 726.202 Permit Standards for Burners
- 67 726.203 Interim Status Standards for Burners
- 68 726.204 Standards to Control Organic Emissions
- 69 726.205 Standards to Control PM
- 70 726.206 Standards to Control Metals Emissions
- 71 726.207 Standards to Control HCl and Chlorine Gas Emissions
- 72 726.208 Small Quantity On-Site Burner Exemption
- 73 726.209 Low Risk Waste Exemption
- 74 726.210 Waiver of DRE Trial Burn for Boilers
- 75 726.211 Standards for Direct Transfer
- 76 726.212 Regulation of Residues
- 77 726.219 Extensions of Time

78

79 SUBPART M: MILITARY MUNITIONS

- 80
- 81 Section
- 82 726.300 Applicability
- 83 726.301 Definitions
- 84 726.302 Definition of Solid Waste
- 85 726.303 Standards Applicable to the Transportation of Solid Waste Military Munitions
- 86 726.304 Standards Applicable to Emergency Responses

87	726.305	Standards Applicable to the Storage of Solid Waste Military Munitions
88	726.306	Standards Applicable to the Treatment and Disposal of Waste Military Munitions
89		
90		SUBPART N: CONDITIONAL EXEMPTION FOR LOW-LEVEL MIXED WASTE
91		STORAGE, TREATMENT, TRANSPORTATION AND DISPOSAL
92	Section	
93	726.310	Definitions
94	726.320	Storage and Treatment Conditional Exemption
95	726.325	Wastes Eligible for a Storage and Treatment Conditional Exemption for Low-
96		Level Mixed Waste
97	726.330	Conditions to Qualify for and Maintain a Storage and Treatment Conditional
98		Exemption
99	726.335	Treatment Allowed by a Storage and Treatment Conditional Exemption
100	726.340	Loss of a Storage and Treatment Conditional Exemption and Required Action
101	726.345	Reclaiming a Lost Storage and Treatment Conditional Exemption
102	726.350	Recordkeeping for a Storage and Treatment Conditional Exemption
103	726.355	Waste No Longer Eligible for a Storage and Treatment Conditional Exemption
104	726.360	Applicability of Closure Requirements to Storage Units
105	726.405	Transportation and Disposal Conditional Exemption
106	726.410	Wastes Eligible for a Transportation and Disposal Conditional Exemption
107	726.415	Conditions to Qualify for and Maintain a Transportation and Disposal Conditional
108		Exemption
109	726.420	Treatment Standards for Eligible Waste
110	726.425	Applicability of the Manifest and Transportation Condition
111	726.430	Effectiveness of a Transportation and Disposal Exemption
112	726.435	Disposal of Exempted Waste
113	726.440	Containers Used for Disposal of Exempted Waste
114	726.445	Notification
115	726.450	Recordkeeping for a Transportation and Disposal Conditional Exemption
116	726.455	Loss of a Transportation and Disposal Conditional Exemption and Required
117		Action
118	726.460	Reclaiming a Lost Transportation and Disposal Conditional Exemption
119		
120	726.APPENDIX A	Tier I and Tier II Feed Rate and Emissions Screening Limits for
121		Metals
122	726.APPENDIX B	Tier I Feed Rate Screening Limits for Total Chlorine
123	726.APPENDIX C	Tier II Emission Rate Screening Limits for Free Chlorine and
124		Hydrogen Chloride
125	726.APPENDIX D	Reference Air Concentrations
126	726.APPENDIX E	Risk-Specific Doses
127	726.APPENDIX F	Stack Plume Rise
128	726.APPENDIX G	Health-Based Limits for Exclusion of Waste-Derived Residues
129	726.APPENDIX H	Potential PICs for Determination of Exclusion of Waste-Derived

130 Residues  
 131 726.APPENDIX I Methods Manual for Compliance with BIF Regulations  
 132 726.APPENDIX J Guideline on Air Quality Models (Repealed)  
 133 726.APPENDIX K Lead-Bearing Materials that May be Processed in Exempt Lead  
 134 Smelters  
 135 726.APPENDIX L Nickel or Chromium-Bearing Materials that May Be Processed in  
 136 Exempt Nickel-Chromium Recovery Furnaces  
 137 726.APPENDIX M Mercury-Bearing Wastes that May Be Processed in Exempt  
 138 Mercury Recovery Units  
 139 726.TABLE A Exempt Quantities for Small Quantity Burner Exemption

141 AUTHORITY: Implementing Sections 7.2 and 22.4 and authorized by Section 27 of the  
 142 Environmental Protection Act [415 ILCS 5/7.2, 22.4 and 27].  
 143

144 SOURCE: Adopted in R85-22 at 10 Ill. Reg. 1162, effective January 2, 1986; amended in R86-1  
 145 at 10 Ill. Reg. 14156, effective August 12, 1986; amended in R87-26 at 12 Ill. Reg. 2900,  
 146 effective January 15, 1988; amended in R89-1 at 13 Ill. Reg. 18606, effective November 13,  
 147 1989; amended in R90-2 at 14 Ill. Reg. 14533, effective August 22, 1990; amended in R90-11 at  
 148 15 Ill. Reg. 9727, effective June 17, 1991; amended in R91-13 at 16 Ill. Reg. 9858, effective  
 149 June 9, 1992; amended in R92-10 at 17 Ill. Reg. 5865, effective March 26, 1993; amended in  
 150 R93-4 at 17 Ill. Reg. 20904, effective November 22, 1993; amended in R94-7 at 18 Ill. Reg.  
 151 12500, effective July 29, 1994; amended in R95-6 at 19 Ill. Reg. 10006, effective June 27, 1995;  
 152 amended in R95-20 at 20 Ill. Reg. 11263, effective August 1, 1996; amended in R96-10/R97-  
 153 3/R97-5 at 22 Ill. Reg. 754, effective December 16, 1997; amended in R97-21/R98-3/R98-5 at  
 154 22 Ill. Reg. 18042, effective September 28, 1998; amended in R99-15 at 23 Ill. Reg. 9482,  
 155 effective July 26, 1999; amended in R00-13 at 24 Ill. Reg. 9853, effective June 20, 2000;  
 156 amended in R02-1/R02-12/R02-17 at 26 Ill. Reg. 6667, effective April 22, 2002; amended in  
 157 R03-7 at 27 Ill. Reg. 4200, effective February 14, 2003; amended in R03-18 at 27 Ill. Reg.  
 158 12916, effective July 17, 2003; amended in R06-5/R06-6/R06-7 at 30 Ill. Reg. 3700, effective  
 159 February 23, 2006; amended in R06-16/R06-17/R06-18 at 31 Ill. Reg. 1096, effective December  
 160 20, 2006; amended in R07-5/R07-14 at 32 Ill. Reg. 12741, effective July 14, 2008; amended in  
 161 R11-2/R11-16 at 35 Ill. Reg. 18117, effective October 14, 2011; amended in R13-5 at 37 Ill.  
 162 Reg. \_\_\_\_\_, effective \_\_\_\_\_.  
 163

164 SUBPART C: RECYCLABLE MATERIALS USED IN A  
 165 MANNER CONSTITUTING DISPOSAL  
 166

167 **Section 726.120 Applicability**  
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- 169 a) The regulations of this Subpart C apply to recyclable materials that are applied to  
 170 or placed on the land in either of the following ways:  
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 172 1) Without mixing with any other substances; or

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- 2) After mixing or combination with any other substances. These materials will be referred to throughout this Subpart C as "materials used in a manner that constitutes disposal."
  
  - b) A product produced for the general public's use that is used in a manner that constitutes disposal and which contains recyclable material is not presently subject to regulation under this Subpart C if the recyclable materials have undergone a chemical reaction in the course of producing the products so as to become inseparable by physical means and if such products meet the applicable treatment standards in Subpart D of 35 Ill. Adm. Code 728 (or applicable prohibition levels in 35 Ill. Adm. Code 728.132 or 728.139, where no treatment standards have been established) for each recyclable material (i.e., hazardous waste) that it contains, and the recycler complies with 35 Ill. Adm. Code 728.107(b)(6).
  
  - c) Anti-skid and deicing uses of slags that are generated from high temperature metals recovery (HTMR) processing of hazardous wastes K061, K062, and F006 in a manner constituting disposal are not covered by the exemption in subsection (b) of this Section, and such uses of these materials remain subject to regulation.
  
  - d) Fertilizers that contain recyclable materials are not subject to regulation provided that the following conditions are fulfilled:
    - 1) They are zinc fertilizers excluded from the definition of solid waste according to 35 Ill. Adm. Code 721.104(a)(21); or
    - 2) They meet the applicable treatment standards in Subpart D of 35 Ill. Adm. Code 728 for each hazardous waste that they contain.

203 (Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)  
204

205 **Section 726.APPENDIX Appendix A Tier I and Tier II Feed Rate and Emissions**  
 206 **Screening Limits for Metals**

208 I-A

209 Tier I and Tier II Feed Rate and Emissions Screening Limits for Noncarcinogenic  
 210 Metals for Facilities in Noncomplex Terrain

212 Values for Urban Areas

213

214	TESH (m)	Antimony (g/hr)	Barium (g/hr)	Lead (g/hr)	Mercury (g/hr)	Silver (g/hr)	Thallium (g/hr)
	4	60.	10000.	18.	60.	600.	60.
	6	68.	11000.	20.	68.	680.	68.
	8	76.	13000.	23.	76.	760.	76.
	10	86.	14000.	26.	86.	860.	86.
	12	96.	17000.	30.	96.	960.	96.
	14	110.	18000.	34.	110.	1100.	110.
	16	130.	21000.	36.	130.	1300.	130.
	18	140.	24000.	43.	140.	1400.	140.
	20	160.	27000.	46.	160.	1600.	160.
	22	180.	30000.	54.	180.	1800.	180.
	24	200.	34000.	60.	200.	2000.	200.
	26	230.	39000.	68.	230.	2300.	230.
	28	260.	43000.	78.	260.	2600.	260.
	30	300.	50000.	90.	300.	3000.	300.
	35	400.	66000.	110.	400.	4000.	400.
	40	460.	78000.	140.	460.	4600.	460.
	45	600.	100000.	180.	600.	6000.	600.
	50	780.	130000.	230.	780.	7800.	780.
	55	960.	170000.	300.	960.	9600.	960.
	60	1200.	200000.	360.	1200.	12000.	1200.
	65	1500.	250000.	430.	1500.	15000.	1500.
	70	1700.	280000.	500.	1700.	17000.	1700.
	75	1900.	320000.	580.	1900.	19000.	1900.
	80	2200.	360000.	640.	2200.	22000.	2200.
	85	2500.	400000.	760.	2500.	25000.	2500.
	90	2800.	460000.	820.	2800.	28000.	2800.
	95	3200.	540000.	960.	3200.	32000.	3200.
	100	3600.	600000.	1100.	3600.	36000.	3600.
	105	4000.	680000.	1200.	4000.	40000.	4000.
	110	4600.	780000.	1400.	4600.	46000.	4600.
	115	5400.	860000.	1600.	5400.	54000.	5400.

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I-B

Tier I and Tier II Feed Rate and Emissions Screening Limits for Noncarcinogenic  
Metals for Facilities in Noncomplex Terrain

Values for Rural Areas

TESH (m)	Antimony (g/hr)	Barium (g/hr)	Lead (g/hr)	Mercury (g/hr)	Silver (g/hr)	Thallium (g/hr)
4	31.	5200.	9.4	31.	310.	31.
6	36.	6000.	11.	36.	360.	36.
8	40.	6800.	12.	40.	400.	40.
10	46.	7800.	14.	46.	460.	46.
12	58.	9600.	17.	58.	580.	58.
14	68.	11000.	21.	68.	680.	68.
16	86.	14000.	26.	86.	860.	86.
18	110.	18000.	32.	110.	1100.	110.
20	130.	22000.	40.	130.	1300.	130.
22	170.	28000.	50.	170.	1700.	170.
24	220.	36000.	64.	220.	2200.	220.
26	280.	46000.	82.	280.	2800.	280.
28	350.	58000.	100.	350.	3500.	350.
30	430.	76000.	130.	430.	4300.	430.
35	720.	120000.	210.	720.	7200.	720.
40	1100.	180000.	320.	1100.	11000.	1100.
45	1500.	250000.	460.	1500.	15000.	1500.
50	2000.	330000.	600.	2000.	20000.	2000.
55	2600.	440000.	780.	2600.	26000.	2600.
60	3400.	580000.	1000.	3400.	34000.	3400.
65	4600.	760000.	1400.	4600.	46000.	4600.
70	5400.	900000.	1600.	5400.	54000.	5400.
75	6400.	1100000.	1900.	6400.	64000.	6400.
80	7600.	1300000.	2300.	7600.	76000.	7600.
85	9400.	1500000.	2800.	9400.	94000.	9400.
90	11000.	1800000.	3300.	11000.	110000.	11000.
95	13000.	2200000.	3900.	13000.	130000.	13000.
100	15000.	2600000.	4600.	15000.	150000.	15000.
105	18000.	3000000.	5400.	18000.	180000.	18000.
110	22000.	3600000.	6600.	22000.	220000.	22000.
115	26000.	4400000.	7800.	26000.	260000.	26000.
120	31000.	5000000.	9200.	31000.	310000.	31000.

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I-C

Tier I and Tier II Feed Rate and Emissions Screening Limits for Noncarcinogenic  
Metals for Facilities in Complex Terrain

Values for Urban and Rural Areas

TESH (m)	Antimony (g/hr)	Barium (g/hr)	Lead (g/hr)	Mercury (g/hr)	Silver (g/hr)	Thallium (g/hr)
4	14.	2400.	4.3	14.	140.	14.
6	21.	3500.	6.2	21.	210.	21.
8	30.	5000.	9.2	30.	300.	30.
10	43.	7600.	13.	43.	430.	43.
12	54.	9000.	17.	54.	540.	54.
14	68.	11000.	20.	68.	680.	68.
16	78.	13000.	24.	78.	780.	78.
18	86.	14000.	26.	86.	860.	86.
20	96.	16000.	29.	96.	960.	96.
22	100.	18000.	32.	100.	1000.	100.
24	120.	19000.	35.	120.	1200.	120.
26	130.	22000.	36.	130.	1300.	130.
28	140.	24000.	43.	140.	1400.	140.
30	160.	27000.	46.	160.	1600.	160.
35	200.	33000.	58.	200.	2000.	200.
40	240.	40000.	72.	240.	2400.	240.
45	300.	50000.	90.	300.	3000.	300.
50	360.	60000.	110.	360.	3600.	360.
55	460.	76000.	140.	460.	4600.	460.
60	580.	94000.	170.	580.	5800.	580.
65	680.	110000.	210.	680.	6800.	680.
70	780.	130000.	240.	780.	7800.	780.
75	860.	140000.	260.	860.	8600.	860.
80	960.	160000.	290.	960.	9600.	960.
85	1100.	180000.	330.	1100.	11000.	1100.
90	1200.	200000.	360.	1200.	12000.	1200.
95	1400.	230000.	400.	1400.	14000.	1400.
100	1500.	260000.	460.	1500.	15000.	1500.
105	1700.	280000.	500.	1700.	17000.	1700.
110	1900.	320000.	580.	1900.	19000.	1900.
115	2100.	360000.	640.	2100.	21000.	2100.
120	2400.	400000.	720.	2400.	24000.	2400.

I-D

Tier I and Tier II Feed Rate and Emissions Screening Limits for Carcinogenic Metals for Facilities in Noncomplex Terrain

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	Values for use in urban areas				Values for use in rural areas			
TESH (m)	Arsenic (g/hr)	Cadmium (g/hr)	Chromium (g/hr)	Beryllium (g/hr)	Arsenic (g/hr)	Cadmium (g/hr)	Chromium (g/hr)	Beryllium (g/hr)
4	0.46	1.1	0.17	0.82	0.24	0.58	0.086	0.43
6	0.54	1.3	0.19	0.94	0.28	0.66	0.10	0.50
8	0.60	1.4	0.22	1.1	0.32	0.76	0.11	0.56
10	0.68	1.6	0.24	1.2	0.36	0.86	0.13	0.64
12	0.76	1.8	0.27	1.4	0.43	1.1	0.16	0.78
14	0.86	2.1	0.31	1.5	0.54	1.3	0.20	0.96
16	0.96	2.3	0.35	1.7	0.68	1.6	0.24	1.2
18	1.1	2.6	0.40	2.0	0.82	2.0	0.30	1.5
20	1.2	3.0	0.44	2.2	1.0	2.5	0.37	1.9
22	1.4	3.4	0.50	2.5	1.3	3.2	0.48	2.4
24	1.6	3.9	0.58	2.8	1.7	4.0	0.60	3.0
26	1.8	4.3	0.64	3.2	2.1	5.0	0.76	3.9
28	2.0	4.8	0.72	3.6	2.7	6.4	0.98	5.0
30	2.3	5.4	0.82	4.0	3.5	8.2	1.2	6.2
35	3.0	6.8	1.0	5.4	5.4	13.	1.9	9.6
40	3.6	9.0	1.3	6.8	8.2	20.	3.0	15.
45	4.6	11.	1.7	8.6	11.	28.	4.2	21.
50	6.0	14.	2.2	11.	15.	37.	5.4	28.
55	7.6	18.	2.7	14.	20.	50.	7.2	36.
60	9.4	22.	3.4	17.	27.	64.	9.6	48.
65	11.	28.	4.2	21.	36.	86.	13.	64.
70	13.	31.	4.6	24.	43.	100.	15.	76.
75	15.	36.	5.4	27.	50.	120.	18.	90.
80	17.	40.	6.0	30.	60.	140.	22.	110.
85	19.	46.	6.8	34.	72.	170.	26.	130.
90	22.	50.	7.8	39.	86.	200.	30.	150.
95	25.	58.	9.0	44.	100.	240.	36.	180.
100	28.	68.	10.	50.	120.	290.	43.	220.
105	32.	76.	11.	56.	140.	340.	50.	260.
110	36.	86.	13.	64.	170.	400.	60.	300.
115	40.	96.	15.	72.	200.	480.	72.	360.
120	46.	110.	17.	82.	240.	580.	86.	430.

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I-E  
Tier I and Tier II Feed Rate and Emissions Screening Limits for Carcinogenic  
Metals for Facilities in Complex Terrain  
Values for Use in Urban and Rural Areas

TESH (m)	Arsenic (g/hr)	Cadmium (g/hr)	Chromium (g/hr)	Beryllium (g/hr)
4	0.11	0.26	0.040	0.20
6	0.16	0.39	0.058	0.29
8	0.24	0.58	0.086	0.43
10	0.35	0.82	0.13	0.62
12	0.43	1.0	0.15	0.76
14	0.50	1.3	0.19	0.94
16	0.60	1.4	0.22	1.1
18	0.68	1.6	0.24	1.2
20	0.76	1.8	0.27	1.3
22	0.82	1.9	0.30	1.5
24	0.90	2.1	0.33	1.6
26	1.0	2.4	0.36	1.8
28	1.1	2.7	0.40	2.0
30	1.2	3.0	0.44	2.2
35	1.5	3.7	0.54	2.7
40	1.9	4.6	0.68	3.4
45	2.4	5.4	0.84	4.2
50	2.9	6.8	1.0	5.0
55	3.5	8.4	1.3	6.4
60	4.3	10.	1.5	7.8
65	5.4	13.	1.9	9.6
70	6.0	14.	2.2	11.
75	6.8	16.	2.4	12.
80	7.6	18.	2.7	13.
85	8.2	20.	3.0	15.
90	9.4	23.	3.4	17.
95	10.	25.	4.0	19.
100	12.	28.	4.3	21.
105	13.	32.	4.8	24.
110	15.	35.	5.4	27.
115	17.	40.	6.0	30.
120	19.	44.	6.4	33.

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(Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

249 **Section 726. ~~APPENDIX~~ Appendix B Tier I Feed Rate Screening Limits for Total Chlorine**  
 250

TESH (m)	Noncomplex Terrain Urban (g/hr)	Noncomplex Terrain Rural (g/hr)	Complex Terrain (g/hr)
4	82.	42.	19.
6	91.	48.	28.
8	100.	53.	41.
10	120.	62.	58.
12	130.	77.	72.
14	150.	91.	91.
16	170.	120.	110.
18	190.	140.	120.
20	210.	180.	130.
22	240.	230.	140.
24	270.	290.	160.
26	310.	370.	170.
28	350.	470.	190.
30	390.	580.	210.
35	530.	960.	260.
40	620.	1400.	330.
45	820.	2000.	400.
50	1100.	2600.	480.
55	1300.	3500.	620.
60	1600.	4600.	770.
65	2000.	6200.	910.
70	2300.	7200.	1100.
75	2500.	8600.	1200.
80	2900.	10000.	1300.
85	3300.	12000.	1400.
90	3700.	14000.	1600.
95	4200.	17000.	1800.
100	4800.	21000.	2000.
105	5300.	24000.	2300.
110	6200.	29000.	2500.
115	7200.	35000.	2800.
120	8200.	41000.	3200.

251  
 252 (Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)  
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254 **Section 726. APPENDIX Appendix C Tier II Emission Rate Screening Limits for Free**  
 255 **Chlorine and Hydrogen Chloride**  
 256

TESH (m)	Noncomplex Terrain Urban areas		Noncomplex Terrain Rural areas		Complex Terrain Urban and rural areas	
	Chlorine Gas (g/hr)	HCl (g/hr)	Chlorine Gas (g/hr)	HCl (g/hr)	Chlorine gas (g/hr)	HCl (g/hr)
4	82.	1400.	42.	730.	19.	330.
6	91.	1600.	48.	830.	28.	490.
8	100.	1800.	53.	920.	41.	710.
10	120.	2000.	62.	1100.	58.	1000.
12	130.	2300.	77.	1300.	72.	1300.
14	150.	2600.	91.	1600.	91.	1600.
16	170.	2900.	120.	2000.	110.	1800.
18	190.	3300.	140.	2500.	120.	2000.
20	210.	3700.	180.	3100.	130.	2300.
22	240.	4200.	230.	3900.	140.	2400.
24	270.	4800.	290.	5000.	160.	2800.
26	310.	5400.	370.	6500.	170.	3000.
28	350.	6000.	470.	8100.	190.	3400.
30	390.	6900.	580.	10000.	210.	3700.
35	530.	9200.	960.	17000.	260.	4600.
40	620.	11000.	1400.	25000.	330.	5700.
45	820.	14000.	2000.	35000.	400.	7000.
50	1100.	18000.	2600.	46000.	480.	8400.
55	1300.	23000.	3500.	61000.	620.	11000.
60	1600.	29000.	4600.	81000.	770.	13000.
65	2000.	34000.	6200.	110000.	910.	16000.
70	2300.	39000.	7200.	130000.	1100.	18000.
75	2500.	45000.	8600.	150000.	1200.	20000.
80	2900.	50000.	10000.	180000.	1300.	23000.
85	3300.	58000.	12000.	220000.	1400.	25000.
90	3700.	66000.	14000.	250000.	1600.	29000.
95	4200.	74000.	17000.	300000.	1800.	32000.
100	4800.	84000.	21000.	360000.	2000.	35000.
105	5300.	92000.	24000.	430000.	2300.	39000.
110	6200.	110000.	29000.	510000.	2500.	45000.
115	7200.	130000.	35000.	610000.	2800.	50000.
120	8200.	140000.	41000.	720000.	3200.	56000.

257  
 258 (Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)  
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260 **Section 726. APPENDIX Appendix D Reference Air Concentrations**

261  
 262 BOARD NOTE: The RAC for other Appendix H to 35 Ill. Adm. Code 721 constituents not listed  
 263 below or in Appendix E is 0.1 µg/m<sup>3</sup>.

264

Constituent	CAS No.	RAC (µg/m <sup>3</sup> )
Acetaldehyde	75-07-0	10
Acetonitrile	75-05-8	10
Acetophenone	98-86-2	100
Acrolein	107-02-8	20
Aldicarb	116-06-3	1
Aluminum Phosphide	20859-73-8	0.3
Allyl Alcohol	107-18-6	5
Antimony	7440-36-0	0.3
Barium	7440-39-3	50
Barium Cyanide	542-62-1	50
Bromomethane	74-83-9	0.8
Calcium Cyanide	592-01-8	30
Carbon Disulfide	75-15-0	200
Chloral	75-87-6	2
Chlorine (free)		0.4
2-Chloro-1,3-butadiene	126-99-8	3
Chromium III	16065-83-1	1000
Copper Cyanide	544-92-3	5
Cresols	1319-77-3	50
Cumene	98-82-8	1
Cyanide (free)	57-12-15	20
Cyanogen	460-19-5	30
Cyanogen Bromide	506-68-3	80
Di-n-butyl Phthalate	84-74-2	100
o-Dichlorobenzene	95-50-1	10
p-Dichlorobenzene	106-46-7	10
Dichlorodifluoromethane	75-71-8	200
2,4-Dichlorophenol	120-83-2	3
Diethyl Phthalate	84-66-2	800
Dimethoate	60-51-5	0.8
2,4-Dinitrophenol	51-28-5	2
Dinoseb	88-85-7	0.9
Diphenylamine	122-39-4	20
Endosulfan	115-29-1	0.05
Endrin	72-20-8	0.3
Fluorine	7782-41-4	50

Formic Acid	64-18-6	2000
Glycidylaldehyde	765-34-4	0.3
Hexachlorocyclopentadiene	77-47-4	5
Hexachlorophene	70-30-4	0.3
Hydrocyanic Acid	74-90-8	20
Hydrogen Chloride	7647-01-1	7
Hydrogen Sulfide	7783-06-4	3
Isobutyl Alcohol	78-83-1	300
Lead	7439-92-1	0.09
Maleic Anhydride	108-31-6	100
Mercury	7439-97-6	0.3
Methacrylonitrile	126-98-7	0.1
Methomyl	16752-77-5	20
Methoxychlor	72-43-5	50
Methyl Chlorocarbonate	79-22-1	1000
Methyl Ethyl Ketone	78-93-3	80
Methyl Parathion	298-00-0	0.3
Nickel Cyanide	557-19-7	20
Nitric Oxide	10102-43-9	100
Nitrobenzene	98-95-3	0.8
Pentachlorobenzene	608-93-5	0.8
Pentachlorophenol	87-86-5	30
Phenol	108-95-2	30
M-Phenylenediamine	108-45-2	5
Phenylmercuric Acetate	62-38-4	0.075
Phosphine	7803-51-2	0.3
Phthalic Anhydride	85-44-9	2000
Potassium Cyanide	151-50-8	50
Potassium Silver Cyanide	506-61-6	200
Pyridine	110-86-1	1
Selenious Acid	7783-60-8	3
Selenourea	630-10-4	5
Silver	7440-22-4	3
Silver Cyanide	506-64-9	100
Sodium Cyanide	143-33-9	30
Strychnine	57-24-9	0.3
1,2,4,5-Tetrachlorobenzene	95-94-3	0.3
2,3,4,6-Tetrachlorophenol	58-90-2	30
Tetraethyl Lead	78-00-2	0.0001
Tetrahydrofuran	109-99-9	10
Thallic Oxide	1314-32-5	0.3
Thallium	7440-28-0	0.5
Thallium (I) Acetate	563-68-8	0.5

Thallium (I) Carbonate	6533-73-9	0.3
Thallium (I) Chloride	7791-12-0	0.3
Thallium (I) Nitrate	10102-45-1	0.5
Thallium Selenite	12039-52-0	0.5
Thallium (I) Sulfate	7446-18-6	0.075
Thiram	137-26-8	5
Toluene	108-88-3	300
1,2,4-Trichlorobenzene	120-82-1	20
Trichloromonofluoromethane	75-69-4	300
2,4,5-Trichlorophenol	95-95-4	100
Vanadium Pentoxide	1314-62-1	20
Warfarin	81-81-2	0.3
Xylenes	1330-20-7	80
Zinc Cyanide	557-21-1	50
Zinc Phosphide	1314-84-7	0.3

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266 (Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

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268 **Section 726. APPENDIX Appendix E Risk-Specific Doses**

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270 BOARD NOTE: These are risk specific doses (RSDs) based on a risk of 1 in 10,000  
 271 ( $1 \times 10^{-5}$ ).

272

Constituent	CAS No.	Unit risk ( $m^3\mu g$ )	RSD ( $\mu g/m^3$ )
Acrylamide	79-06-1	0.0013	0.0077
Acrylonitrile	107-13-1	0.000068	0.15
Aldrin	309-00-2	0.0049	0.0020
Aniline	62-53-3	0.0000074	1.4
Arsenic	7440-38-2	0.0043	0.0023
Benz(a)anthracene	56-55-3	0.00089	0.011
Benzene	71-43-2	0.0000083	1.2
Benzidine	92-87-5	0.067	0.00015
Benzo(a)pyrene	50-32-8	0.0033	0.0030
Beryllium	7440-41-7	0.0024	0.0042
Bis(2-chloroethyl)ether	111-44-4	0.00033	0.030
Bis(chloromethyl)ether	542-88-1	0.062	0.00016
Bis(2-ethylhexyl)-phthalate	117-81-7	0.00000024	42.
1,3-Butadiene	106-99-0	0.00028	0.036
Cadmium	7440-43-9	0.0018	0.0056
Carbon Tetrachloride	56-23-5	0.000015	0.67
Chlordane	57-74-9	0.00037	0.027
Chloroform	67-66-3	0.000023	0.43
Chloromethane	74-87-3	0.0000036	2.8
Chromium VI	7440-47-3	0.012	0.00083
DDT	50-29-3	0.000097	0.10
Dibenz(a,h)anthracene	53-70-3	0.014	0.00071
1,2-Dibromo-3-chloro- propane	96-12-8	0.0063	0.0016
1,2-Dibromoethane	106-93-4	0.00022	0.045
1,1-Dichloroethane	75-34-3	0.000026	0.38
1,2-Dichloroethane	107-06-2	0.000026	0.38
1,1-Dichloroethylene	75-35-4	0.00005	0.20
1,3-Dichloropropene	542-75-6	0.35	0.000029
Dieldrin	60-57-1	0.0046	0.0022
Diethylstilbestrol	56-53-1	0.14	0.000071
Dimethylnitrosamine	62-75-9	0.014	0.00071
2,4-Dinitrotoluene	121-14-2	0.000088	0.11
1,2-Diphenylhydrazine	122-66-7	0.00022	0.045
1,4-Dioxane	123-91-1	0.0000014	7.1
Epichlorohydrin	106-89-8	0.0000012	8.3
Ethylene Oxide	75-21-8	0.00010	0.10

Ethylene Dibromide	106-93-4	0.00022	0.045
Formaldehyde	50-00-0	0.000013	0.77
Heptachlor	76-44-8	0.0013	0.0077
Heptachlor Epoxide	1024-57-3	0.0026	0.0038
Hexachlorobenzene	118-74-1	0.00049	0.020
Hexachlorobutadiene	87-68-3	0.000020	0.50
Alpha-hexachlorocyclohexane	319-84-6	0.0018	0.0056
Beta-hexachlorocyclohexane	319-85-7	0.00053	0.019
Gamma-hexachlorocyclohexane	58-89-9	0.00038	0.026
Hexachlorocyclohexane, Technical		0.00051	0.020
Hexachlorodibenzo-p-dioxin (1,2 Mixture)		1.3	0.0000077
Hexachloroethane	67-72-1	0.0000040	2.5
Hydrazine	302-01-2	0.0029	0.0034
Hydrazine Sulfate	302-01-2	0.0029	0.0034
3-Methylcholanthrene	56-49-5	0.0027	0.0037
Methyl Hydrazine	60-34-4	0.00031	0.032
Methylene Chloride	75-09-2	0.0000041	2.4
4,4'-Methylene-bis-2- chloroaniline	101-14-4	0.000047	0.21
Nickel	7440-02-0	0.00024	0.042
Nickel Refinery Dust	7440-02-0	0.00024	0.042
Nickel Subsulfide	12035-72-2	0.00048	0.021
2-Nitropropane	79-46-9	0.027	0.00037
N-Nitroso-n-butylamine	924-16-3	0.0016	0.0063
N-Nitroso-n-methylurea	684-93-5	0.086	0.00012
N-Nitrosodiethylamine	55-18-5	0.043	0.00023
N-Nitrosopyrrolidine	930-55-2	0.00061	0.016
Pentachloronitrobenzene	82-68-8	0.000073	0.14
PCBs	1336-36-3	0.0012	0.0083
Pronamide	23950-58-5	0.0000046	2.2
Reserpine	50-55-5	0.0030	0.0033
2,3,7,8-Tetrachloro-dibenzo-p- dioxin	1746-01-6	45.	0.00000022
1,1,2,2-Tetrachloroethane	79-34-5	0.000058	0.17
Tetrachloroethylene	127-18-4	0.00000048	21.
Thiourea	62-56-6	0.00055	0.018
1,1,2-Trichloroethane	79-00-5	0.000016	0.63
Trichloroethylene	79-01-6	0.0000013	7.7
2,4,6-Trichlorophenol	88-06-2	0.0000057	1.8
Toxaphene	8001-35-2	0.00032	0.031
Vinyl Chloride	75-01-4	0.0000071	1.4



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(Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

276 **Section 726.**~~APPENDIX~~**Appendix F Stack Plume Rise**

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Estimated Plume Rise (in Meters)  
Based on Stack Exit Flow Rate and Gas Temperature

Flow rate (m <sup>3</sup> /sec)	Exhaust Temperature (K°)										
	<325	325-349	350-399	400-449	450-499	500-599	600-699	700-799	800-999	1000-1499	>1499
<0.5	0	0	0	0	0	0	0	0	0	0	0
0.5 - 0.9	0	0	0	0	0	0	0	0	1	1	1
1.0 - 1.9	0	0	0	0	1	1	2	3	3	3	4
2.0 - 2.9	0	0	1	3	4	4	6	6	7	8	9
3.0 - 3.9	0	1	2	5	6	7	9	10	11	12	13
4.0 - 4.9	1	2	4	6	8	10	12	13	14	15	17
5.0 - 7.4	2	3	5	8	10	12	14	16	17	19	21
7.5 - 9.9	3	5	8	12	15	17	20	22	22	23	24
10.0 - 12.4	4	6	10	15	19	21	23	24	25	26	27
12.5 - 14.9	4	7	12	18	22	23	25	26	27	28	29
15.0 - 19.9	5	8	13	20	23	24	26	27	28	29	31
20.0 - 24.9	6	10	17	23	25	27	29	30	31	32	34
25.0 - 29.9	7	12	20	25	27	29	31	32	33	35	36
30.0 - 34.9	8	14	22	26	29	31	33	35	36	37	39
35.0 - 39.9	9	16	23	28	30	32	35	36	37	39	41
40.0 - 49.9	10	17	24	29	32	34	36	38	39	41	42
50.0 - 59.9	12	21	26	31	34	36	39	41	42	44	46
60.0 - 69.9	14	22	27	33	36	39	42	43	45	47	49
70.0 - 79.9	16	23	29	35	38	41	44	46	47	49	51
80.0 - 89.9	17	25	30	36	40	42	46	48	49	51	54
90.0 - 99.9	19	26	31	38	42	44	48	50	51	53	56
100.0 - 119.9	21	26	32	39	43	46	49	52	53	55	58
120.0 - 139.9	22	28	35	42	46	49	52	55	56	59	61
140.0 - 159.9	23	30	36	44	48	51	55	58	59	62	65
160.0 - 179.9	25	31	38	46	50	54	58	60	62	65	67
180.0 - 199.9	26	32	40	48	52	56	60	63	65	67	70
>199.9	26	33	41	49	54	58	62	65	67	69	73

281  
282  
283

(Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

284 **Section 726. APPENDIX Appendix G Health-Based Limits for Exclusion of Waste-Derived**  
 285 **Residues**

287 NOTE 1: Under Section 726.212(b)(2)(A), the health-based concentration limits for Appendix H  
 288 to 35 Ill. Adm. Code 721 constituents for which a health-based concentration is not provided  
 289 below is  $2 \times 10^{-6}$  mg/kg (0.000002 mg/kg or 0.002 µg/kg).

291 NOTE 2: The levels specified in this Section and the default level of 0.002 µg/kg (0.000002  
 292 mg/kg) or the level of detection for constituents, as identified in Note 1, are administratively  
 293 stayed under the condition, for those constituents specified in Section 726.212(b)(1), that the  
 294 owner or operator complies with alternative levels defined as the land disposal restriction limits  
 295 specified in 35 Ill. Adm. Code 728.143 and Table B to 35 Ill. Adm. Code 728 for F039  
 296 nonwastewaters. See Section 726.212(b)(2)(A).

297  
 298 Metals-TCLP Extract Concentration Limits  
 299

Constituent	CAS No.	Concentration limits (mg/L)
Antimony	7440-36-0	1.
Arsenic	7440-38-2	5.
Barium	7440-39-3	100.
Beryllium	7440-41-7	0.007
Cadmium	7440-43-9	1.
Chromium	7440-47-3	5.
Lead	7439-92-1	5.
Mercury	7439-97-6	0.2
Nickel	7440-02-0	70.
Selenium	7782-49-2	1.
Silver	7440-22-4	5.
Thallium	7440-28-0	7.

300  
 301 Nonmetals-Residue Concentration Limits  
 302

Constituent	CAS No.	Concentration limits (mg/L)
Acetonitrile	75-05-8	0.2
Acetophenone	98-86-2	4.
Acrolein	107-02-8	0.5
Acrylamide	79-06-1	0.0002
Acrylonitrile	107-13-1	0.0007
Aldrin	309-00-2	0.00002
Allyl alcohol	107-18-6	0.2
Aluminum phosphide	20859-73-8	0.01

Aniline	62-53-3	0.06
Barium cyanide	542-62-1	1.
Benz(a)anthracene	56-55-3	0.0001
Benzene	71-43-2	0.005
Benzidine	92-87-5	0.000001
Bis(2-chloroethyl) ether	111-44-4	0.0003
Bis(chloromethyl) ether	542-88-1	0.000002
Bis(2-ethylhexyl) phthalate	117-81-7	30.
Bromoform	75-25-2	0.7
Calcium cyanide	592-01-8	0.000001
Carbon disulfide	75-15-0	4.
Carbon tetrachloride	56-23-5	0.005
Chlordane	57-74-9	0.0003
Chlorobenzene	108-90-7	1.
Chloroform	67-66-3	0.06
Copper cyanide	544-92-3	0.2
Cresols (Cresylic acid)	1319-77-3	2.
Cyanogen	460-19-5	1.
DDT	50-29-3	0.001
Dibenz(a, h)-anthracene	53-70-3	0.000007
1,2-Dibromo-3-chloropropane	96-12-8	0.00002
p-Dichlorobenzene	106-46-7	0.07.5
Dichlorodifluoromethane	75-71-8	7.
1,1-Dichloroethylene	75-35-4	0.005
2,4-Dichlorophenol	120-83-2	0.1
1,3-Dichloropropene	542-75-6	0.001
Dieldrin	60-57-1	0.00002
Diethyl phthalate	84-66-2	30.
Diethylstilbestrol	56-53-1	0.0000001
Dimethoate	60-51-5	0.03
2,4-Dinitrotoluene	121-14-2	0.0005
Diphenylamine	122-39-4	0.9
1,2-Diphenylhydrazine	122-66-7	0.0005
Endosulfan	115-29-7	0.002
Endrin	72-20-8	0.0002
Epichlorohydrin	106-89-8	0.04
Ethylene dibromide	106-93-4	0.0000001
Ethylene oxide	75-21-8	0.0003
Fluorine	7782-41-4	4.
Formic acid	64-18-6	70.
Heptachlor	76-44-8	0.00008

Heptachlor epoxide	1024-57-3	0.00004
Hexachlorobenzene	118-74-1	0.0002
Hexachlorobutadiene	87-68-3	0.005
Hexachlorocyclopentadiene	77-47-4	0.2
Hexachlorodibenzo-p-dioxins	19408-74-3	0.0000001
Hexachloroethane	67-72-1	0.03
Hydrazine	302-01-1	0.0001
Hydrogen cyanide	74-90-8	0.00007
Hydrogen sulfide	7783-06-4	0.000001
Isobutyl alcohol	78-83-1	10.
Methomyl	16752-77-5	1.
Methoxychlor	72-43-5	0.1
3-Methylcholanthrene	56-49-5	0.00004
4,4'-Methylenebis (2-chloroaniline)	101-14-4	0.002
Methylene chloride	75-09-2	0.05
Methyl ethyl ketone (MEK)	78-93-3	2.
Methyl hydrazine	60-34-4	0.0003
Methyl parathion	298-00-0	0.02
Naphthalene	91-20-3	10.
Nickel cyanide	557-19-7	0.7
Nitric oxide	10102-43-9	4.
Nitrobenzene	98-95-3	0.02
N-Nitrosodi-n-butylamine	924-16-3	0.00006
N-Nitrosodiethylamine	55-18-5	0.000002
N-Nitroso-N-methylurea	684-93-5	0.0000001
N-Nitrosopyrrolidine	930-55-2	0.0002
Pentachlorobenzene	608-93-5	0.03
Pentachloronitrobenzene (PCNB)	82-68-8	0.1
Pentachlorophenol	87-86-5	1.
Phenol	108-95-2	1.
Phenylmercury acetate	62-38-4	0.003
Phosphine	7803-51-2	0.01
Polychlorinated biphenyls, N.O.S	1336-36-3	0.00005
Potassium cyanide	151-50-8	2.
Potassium silver cyanide	506-61-6	7.
Pronamide	23950-58-5	3.
Pyridine	110-86-1	0.04
Reserpine	50-55-5	0.00003
Selenourea	630-10-4	0.2
Silver cyanide	506-64-9	4.

Sodium cyanide	143-33-9	1.
Strychnine	57-24-9	0.01
1,2,4,5-Tetrachlorobenzene	95-94-3	0.01
1,1,2,2-tetrachloroethane	79-34-5	0.002
Tetrachloroethylene	127-18-4	0.7
2,3,4,6-Tetrachlorophenol	58-90-2	0.01
Tetraethyl lead	78-00-2	0.000004
Thiourea	62-56-6	0.0002
Toluene	108-88-3	10.
Toxaphene	8001-35-2	0.005
1,1,2-Trichloroethane	79-00-5	0.006
Trichloroethylene	79-01-6	0.005
Trichloromonofluoromethane	75-69-4	10.
2,4,5-Trichlorophenol	95-95-4	4.
2,4,6-Trichlorophenol	88-06-2	4.
Vanadium pentoxide	1314-62-1	0.7
Vinyl chloride	75-01-4	0.002

303  
304  
305

(Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

306 **Section 726. APPENDIX Appendix H Potential PICs for Determination of Exclusion of**  
 307 **Waste-Derived Residues**

308  
 309

Volatiles

Semivolatiles

- Benzene
- Toluene
- Carbon tetrachloride
- Chloroform
- Methylene chloride
- Trichloroethylene
- Tetrachloroethylene
- 1,1,1-Trichloroethane
- Chlorobenzene
- cis-1,4-Dichloro-2-butene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- Bromomethane
- Methylene bromide
- Methyl ethyl ketone

- Bis(2-ethylhexyl)phthalate
- Naphthalene
- Phenol
- Diethyl phthalate
- Butyl benzyl phthalate
- 2,4-Dimethylphenol
- o-Dichlorobenzene
- m-Dichlorobenzene
- p-Dichlorobenzene
- Hexachlorobenzene
- 2,4,6-Trichlorophenol
- Fluoranthene
- o-Nitrophenol
- 1,2,4-Trichlorobenzene
- o-Chlorophenol
- Pentachlorophenol
- Pyrene
- Dimethyl phthalate
- Mononitrobenzene
- 2,6-Toluene diisocyanate
- Polychlorinated dibenzo-p-dioxins<sup>1</sup>
- Polychlorinated dibenzo-furans<sup>1</sup>

310

311 <sup>1</sup> Analyses for polychlorinated dibenzo-p-dioxins and polychlorinated dibenzo-furans are  
 312 required only for residues collected from areas downstream of the combustion chamber (e.g.,  
 313 ductwork, boiler tubes, heat exchange surfaces, air pollution control devices, etc.).

314

315 BOARD NOTE: Analysis is not required for those compounds that do not have an established  
 316 F039 nonwastewater concentration limit.

317

318 (Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

319



320 **Section 726.**~~APPENDIX~~**Appendix I Methods Manual for Compliance with BIF**  
321 **Regulations**

322  
323 The document entitled, "Methods Manual for Compliance with BIF Regulations: Burning  
324 Hazardous Waste in Boilers and Industrial Furnaces," December 1990, is available as appendix  
325 IX to 40 CFR 266 (Methods Manual for Compliance with the BIF Regulations), incorporated by  
326 reference in 35 Ill. Adm. Code 720.111(b). It is also available through NTIS, as described in the  
327 incorporation by reference.

328  
329 (Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)  
330

331 **Section 726. APPENDIX Appendix K Lead-Bearing Materials that May be Processed in**  
332 **Exempt Lead Smelters**

- 333  
334 a) Exempt lead-bearing materials when generated or originally produced by lead-  
335 associated industries.

336  
337 BOARD NOTE: Lead-associated industries are lead smelters, lead-acid battery  
338 manufacturing and lead chemical manufacturing (e.g., manufacturing of lead  
339 oxide or other lead compounds).

340  
341 Acid dump/fill solids

342  
343 Sump mud

344  
345 Materials from laboratory analyses

346  
347 Acid filters

348  
349 Baghouse bags

350  
351 Clothing (e.g., coveralls, aprons, shoes, hats, gloves)

352  
353 Sweepings

354  
355 Air filter bags and cartridges

356  
357 Respiratory cartridge filters

358  
359 Shop abrasive

360  
361 Stacking boards

362  
363 Waste shipping containers (e.g., cartons, bags, drums, cardboard)

364  
365 Paper hand towels

366  
367 Wiping rags and sponges

368  
369 Contaminated pallets

370  
371 Water treatment sludges, filter cakes, residues, and solids

372  
373 Emission control dusts, sludges, filter cakes, residues, and solids from

- 374 lead-associated industries (e.g., K069 and D008 wastes)
- 375
- 376 Spent grinds, posts and separators
- 377
- 378 Spent batteries
- 379
- 380 Lead oxide and lead oxide residues
- 381
- 382 Lead plates and groups
- 383
- 384 Spent battery cases, covers, and vents
- 385
- 386 Pasting belts
- 387
- 388 Water filter media
- 389
- 390 Cheesecloth from pasting rollers
- 391
- 392 Pasting additive bags
- 393
- 394 Asphalt paving materials
- 395
- 396 b) Exempt lead-bearing materials when generated or originally produced by any
- 397 industry.
- 398
- 399 Charging jumpers and clips
- 400
- 401 Platen abrasive
- 402
- 403 Fluff from lead wire and cable casings
- 404
- 405 Lead-based pigments and compounding pigment dust
- 406
- 407 (Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)
- 408

409 **Section 726. APPENDIX Appendix L Nickel or Chromium-Bearing Materials that May be**  
410 **Processed in Exempt Nickel-Chromium Recovery Furnaces**

- 411  
412 a) Exempt nickel or chromium-bearing materials when generated by manufacturers  
413 or users of nickel, chromium, or iron.

414  
415 Baghouse bags

416  
417 Raney nickel catalyst

418  
419 Floor sweepings

420  
421 Air filters

422  
423 Electroplating bath filters

424  
425 Wastewater filter media

426  
427 Wood Pallets

428  
429 Disposable clothing (coveralls, aprons, hats, and gloves)

430  
431 Laboratory samples and spent chemicals

432  
433 Shipping containers and plastic liners from containers or vehicles used to  
434 transport nickel or chromium-containing wastes

435  
436 Respirator cartridge filters

437  
438 Paper hand towels

- 439  
440 b) Exempt nickel or chromium-bearing materials when generated by any industry.

441  
442 Electroplating wastewater treatment sludges (F006)

443  
444 Nickel or chromium-containing solutions

445  
446 Nickel or chromium-containing catalysts

447  
448 Nickel-cadmium and nickel-iron batteries

449  
450 Filter cake from wet scrubber system water treatment plants in the  
451 specialty steel industry

452  
453  
454  
455  
456

Filter cake from nickel-chromium alloy pickling operations

(Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

457 **Section 726. APPENDIX Appendix M Mercury-Bearing Wastes that May Be Processed in**  
458 **Exempt Mercury Recovery Units**

459  
460 The following materials are exempt mercury-bearing materials containing less than 500 ppm of  
461 Appendix H to 35 Ill. Adm. Code 721 organic constituents, when generated by manufacturers or  
462 users of mercury or mercury products:

- 463
- 464           Activated carbon
- 465
- 466           Decomposer graphite
- 467
- 468           Wood
- 469
- 470           Paper
- 471
- 472           Protective clothing
- 473
- 474           Sweepings
- 475
- 476           Respiratory cartridge filters
- 477
- 478           Cleanup articles
- 479
- 480           Plastic bags and other contaminated containers
- 481
- 482           Laboratory and process control samples
- 483
- 484           K106 and other wastewater treatment plant sludge and filter cake
- 485
- 486           Mercury cell sump and tank sludge
- 487
- 488           Mercury cell process solids
- 489
- 490           Recoverable levels of mercury contained in soil

491  
492 (Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)  
493

494 **Section 726. TABLE Table A Exempt Quantities for Small Quantity Burner Exemption**  
 495

TESH (m)	Allowable Hazardous Waste Burning Rate (gal/mo)	TESH	Allowable Hazardous Waste Burning Rate (gal/mo)
0 to 3.9	0	40.0 to 44.9	210
4.0 to 5.9	13	45.0 to 49.9	260
6.0 to 7.9	18	50.0 to 54.9	330
8.0 to 9.9	27	55.0 to 59.9	400
10.0 to 11.9	40	60.0 to 64.9	490
12.0 to 13.9	48	65.0 to 69.9	610
14.0 to 15.9	59	70.0 to 74.9	680
16.0 to 17.9	69	75.0 to 79.9	760
18.0 to 19.9	76	80.0 to 84.9	850
20.0 to 21.9	84	85.0 to 89.9	960
22.0 to 23.9	93	90.0 to 94.9	1,100
24.0 to 25.9	100	95.0 to 99.9	1,200
26.0 to 27.9	110	100.0 to 104.9	1,300
28.0 to 29.9	130	105.0 to 109.9	1,500
30.0 to 34.9	140	110.0 to 114.9	1,700
35.0 to 39.9	170	115.0 or greater	1,900

496  
 497 (Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)