

CR 92-184



George E. Meyer
Secretary

State of Wisconsin | DEPARTMENT OF NATURAL RESOURCES

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STATE OF WISCONSIN)
)
DEPARTMENT OF NATURAL RESOURCES) ss

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, George E. Meyer, Secretary of the Department of Natural Resources and custodian of the official records of said Department, do hereby certify that the annexed copy of Natural Resources Board Order No. AM-43-92 was duly approved and adopted by this Department on February 25, 1993. I further certify that said copy has been compared by me with the original on file in this Department and that the same is a true copy thereof, and of the whole of such original.

IN TESTIMONY WHEREOF, I have here-
unto set my hand and affixed the
official seal of the Department at
the Natural Resources Building in
the City of Madison, this 19th
day of

George E. Meyer
George E. Meyer, Secretary

(SEAL)

RECEIVED

MAY 24 1993

8:50 am
Revisor of Statutes
Bureau

7-1-93



ORDER OF THE STATE OF WISCONSIN
NATURAL RESOURCES BOARD
REPEALING, RENUMBERING, AMENDING, REPEALING AND RECREATING, AND CREATING RULES

IN THE MATTER of repealing NR 101.03(12), (14), (15) and (16), 101.14(2), 101.21 to 101.24 and Table 2, 410.03(1)(a)2. and (b)4. and 428.02(1); renumbering NR 484.03(5) and 484.04(3)(intro.), (a), (b) and (c); renumbering and amending NR 101.03(13) and 484.04(2); amending NR 101 (title), 101.01, 101.02, 101.03(1), 101.14(1), 101.31(1) and (2), 406.07(1), 407.04(1)(a), 410.01(2), 410.03(intro.), (1)(b)(intro.), (d) and (e) and (3), 428.02(intro.), 440.10(1), 484.05(3), 494.01, 494.03 and 494.05; repealing and recreating NR 410.04; and creating NR 400.02(1), (1j), (26e) and (91), 410.02(4), ch. NR 438 and 484.03(5) and 484.05(3)(b) to (e) and (8), Wisconsin Administrative Code, pertaining to the collection of emission fees and air pollutant emission information.

AM-43-92

Analysis Prepared by Department of Natural Resources

Authorizing statutes: ss. 144.31(1)(a) and (f), 144.38, 144.399, 144.96(1) and (2) and 227.11(2)(a) and (b), Stats.

Statutes interpreted: ss. 144.31(1)(f), 144.38 and 144.399, Stats.

Section 502(b)(3) of the 1990 Clean Air Act Amendments (42 USC s. 7661a(b)(3)) mandates that states collect fees from all sources required to obtain an operation permit. These fees are to be designed to cover all reasonable direct and indirect costs of developing and administering the operation permit program. The Clean Air Act, as amended, requires states to submit a permit program to USEPA by November 15, 1993. This permit program must include the emission fee program described in Section 502.

1991 Wisconsin Act 269 amended s. 144.399, Stats., to set the fee to be charged by the Department at \$18 per ton of emissions for the first year (1992) and \$25 per ton plus the percentage the Consumer Price Index for that year exceeds the 1989 Consumer Price Index for subsequent years. Section 144.399, Stats., requires the Department to promulgate rules for the payment of fees and to specify the air contaminants on which fees will be assessed. Proposed ch. NR 410 contains the fee provisions and indicates the air contaminants on which fees will be charged and those which are exempt from fees.

This rule creates sections within ch. NR 410 and consolidates all of the emission fees in one chapter. Consequently, the emission fees contained in ch. NR 101 are repealed. While the Joint Committee for Review of Administrative Rules (JCRAR) recently objected to certain provisions of ch. NR 101 related to the collection of wastewater pollutant discharge fees, staff believes its unlikely this objection will affect those portions of Board Order

Number AM-43-92 relating to air emission fees, with the possible exception of requiring changes in the numbering of the ch. NR 101 sections referenced in order AM-43-92. The rule also creates ch. NR 438 which contains emission reporting requirements. Chapter NR 438 contains a list of the air contaminants and sets minimum levels of emissions for which reporting is required.

These rules are needed to fund the operations of the air program by collecting the necessary information and fees on 1992 emissions data, with the first fees to be collected by July, 1993.

SECTION 1. Chapter NR 101 (title) is amended to read:

Chapter NR 101 (title)
 REPORTS AND FEES FOR DISCHARGES OF
 INDUSTRIAL WASTES, AND TOXIC AND
 HAZARDOUS SUBSTANCES, ~~AND AIR CONTAMINANTS~~

SECTION 1A. NR 101.01 and 101.02 are amended to read:

NR 101.01 Purpose. The purpose of this chapter is to establish, pursuant to s. 144.96, Stats., requirements for submission of reports and payment of discharge environmental fees by persons discharging industrial wastes, or toxic and hazardous substances, ~~or air contaminants.~~

Note: This chapter does not establish any limitations on discharges of industrial wastes, or toxic and hazardous substances, ~~or air contaminants.~~ Persons owning or operating facilities having such discharges remain subject to any lawful limitations on such discharges imposed in accordance with federal, state or local regulatory programs. Air emissions fee and reporting requirements are contained in chs. NR 410 and 438, respectively.

NR 101.02 Applicability. The provisions of this chapter are applicable to persons required to submit reports to the department as set forth in ~~either or both of s.~~ s. NR 101.11 ~~and 101.21. Those sections require~~ This section requires reports of discharges of industrial wastes, and toxic and hazardous substances, ~~and air contaminants~~ which exceed specified reporting levels.

SECTION 2. NR 101.03(1) is amended to read:

NR 101.03(1) "Person" means an individual, partnership, corporation, association, state agency, or interstate agency owning or operating a facility discharging effluents to a surface water, to a land disposal system, or to a publicly owned treatment works, ~~or discharging emissions into the atmosphere.~~

SECTION 3. NR 101.03(12) is repealed.

SECTION 4. NR 101.03(13) is renumbered NR 400.02(59m) and as renumbered is amended to read:

NR 400.02(59m) "Nitrogen oxides" or "NO_x" means all oxides of nitrogen except nitrous oxide.

SECTION 5. NR 101.03(14), (15) and (16) are repealed.

SECTION 5A. NR 101.14(1) is amended to read:

NR 101.14(1) An annual effluent fee consisting of an annual \$100 administrative fee and an annual discharge fee shall be assessed for each facility which is required to submit an effluent report pursuant to s. NR 101.11.

SECTION 6. NR 101.14(2) is repealed.

SECTION 7. NR 101.21 to 101.24 and Table 2 are repealed.

SECTION 8. NR 101.31(1) and (2) are amended to read:

NR 101.31(1) Persons subject to the provisions of this chapter shall pay to the department an annual discharge environmental fee for each facility for which a report is required pursuant to ~~either, or both,~~ s. NR 101.11 ~~and 101.21.~~

(2) For each facility the discharge environmental fee shall be ~~the sum~~ of the effluent fee ~~and the air emission fee~~ determined in accordance with ~~ss.~~ s. NR 101.14 ~~and 101.24~~ respectively.

SECTION 9. NR 400.02(1), (1j), (26e) and (91) are created to read:

NR 400.02(1) "Acid rain phase I affected unit" means any unit listed in Table A of 42 USC s. 7651c. These are:

- (a) Wisconsin Power and Light - Edgewater generating station unit 4.
- (b) Dairyland Power Cooperative - Genoa generating station unit 3.
- (c) Wisconsin Power and Light - Nelson Dewey generating station units 1 and 2.
- (d) Wisconsin Electric Power Company - North Oak Creek generating station units 1, 2, 3, and 4 and South Oak Creek generating station units 5, 6, 7, and 8.
- (e) Wisconsin Public Service Corporation - Pulliam generating station unit 8.

(1j) "Actual emissions" means the total emissions generated by a facility over a specified period of time taking into account any reductions made by a control device or technique.

(26e) "Control efficiency" means the percentage by which a control device or technique reduces the emissions from a stationary source.

(91) "Standard industrial classification code" or "SIC code" means the series of codes which classify facilities according to the type of economic activity in which they are engaged, as described in the Standard Industrial Classification Manual, 1987, incorporated by reference in ch. NR 484.

SECTION 10. NR 406.07(1) is amended to read:

NR 406.07(1) Exemption or the granting of an exemption under this chapter from the requirement to obtain a permit does not relieve any person from compliance with the emission limitations of chs. NR 400 to 499, the air quality requirements of ch. NR 404, the reporting requirements of ch. NR ~~101~~ 438, or with any other provision of law.

SECTION 11. NR 407.04(1)(a) is amended to read:

NR 407.04(1)(a) The operator of an existing air contaminant source which is not exempt under s. NR 407.03 shall submit a mandatory operation permit application on application forms available from the department by the date set forth in Table 1 for the Standard Industrial Classification (SIC) number category in which the source is classified. If the source is classified in more than one SIC category, the application shall be submitted by the earliest date for any SIC category applicable to the source. The ~~Standard Industrial Classification (SIC)~~ category for a source is determined by reference to the Standard Industrial Classification Manual, ~~1972, as amended by the 1977 Supplement, 1987,~~ 1972, as amended by the 1977 Supplement, 1987, which is incorporated by reference in ch. NR 484.

SECTION 12. NR 410.01(2) is amended to read:

NR 410.01(2) PURPOSE. The purpose of this chapter is to establish, pursuant to s. 144.399, Stats., the requirements and the procedures for the payment of application fees and ~~implementation and enforcement~~ emission fees by persons who are required ~~or authorized~~ to obtain ~~air pollution control~~ construction or operation permits for ~~the construction, reconstruction,~~

~~replacement or modification and operation of air contaminant sources, and by persons who request a determination of exemption from the requirement to obtain an air pollution control permit, and by persons who own or operate an air contaminant source for which an air pollution control permit has been issued.~~

SECTION 13. NR 410.02(4) is created to read:

NR 410.02(4) "Facility" means all stationary sources emitting air contaminants which belong to the same industrial grouping, are located on one or more contiguous or adjacent properties, and are under the control of the same person, or persons under common control. Emissions resulting from loading, unloading or stockpiling materials to or from vessels or vehicles while at a facility shall be considered as part of the facility's emissions. Air contaminant sources, other than transportation related activities, shall be considered as part of the same industrial grouping if they are classified under the same 2-digit major group as described in the Standard Industrial Classification Manual, 1987, incorporated by reference in ch. NR 484.

SECTION 14. NR 410.03(intro.) is amended to read:

NR 410.03 Application fee. (intro.) ~~Except as provided under s. 144.399(3)(a), Stats., any~~ Any person required ~~or authorized~~ under s. 144.391, Stats., to obtain ~~an air pollution control~~ a construction permit for an air contaminant source shall pay an application fee, consisting of the sum of the basic fee under sub. (1) and any additional fees under sub. (2). Any person required under s. NR 406.04(1)(i) or (n) to obtain a determination of exemption from the department shall pay the basic fee under sub. (1).

SECTION 15. NR 410.03(1)(a)2. is repealed.

SECTION 16. NR 410.03(1)(b)(intro.) is amended to read:

NR 410.03(1)(b)(intro.) Any person requiring a determination of exemption under s. NR 406.04(1)(i) or (n), ~~or petitioning for an alteration to a permit under ch. NR 491,~~ shall pay the following amounts:

SECTION 17. NR 410.03(1)(b)4. is repealed.

SECTION 18. NR 410.03(1)(d) and (e) and (3) are amended to read:

NR 410.03(1)(d) Any person who applies for ~~an air pollution control a~~ construction permit for the ~~operation,~~ construction, replacement, modification, or reconstruction of ~~a~~ an air contaminant source shall submit \$500 with the application. This \$500 may not be refunded unless the department determines that a permit is not required. When a fee is required under par. (b), only the amount not required to cover the fee will be refunded.

(e) When ~~an air pollution control a~~ construction permit application is received for the construction, replacement, reconstruction, ~~operation~~ or modification of a direct source where the basic emission unit, which is not a portable source, is to be installed at one specified facility and, in the same application, a request is also made to modify air pollution control permits for other sources at different locations to include the same basic emission units, and all the sources for which modification is requested are under common ownership or control, the permit applicant shall pay the basic fee specified in par. (a) plus the additional fees in sub. (2). The fee for

modifying each additional permit at different locations shall be \$200 each plus the fees in sub. (2) except when the action specified in sub. (2) has been completed for one location and a separate action as set forth in sub. (2) is not required for each modification at each different location. When an action covered under sub. (2) must be completed for applications at more than one location, the fee in sub. (2) shall be charged for each time the action is completed.

(3) PAYMENT. The department shall mail a billing statement for the required application fee to the person applying for the permit at the time the permit is issued. The application fee shall be paid within 30 days of the date of the billing statement. The department may not issue the ~~release for permanent operation of the source~~ operation permit to the facility until the department receives full payment of the application fee.

SECTION 19. NR 410.04 is repealed and recreated to read:

NR 410.04 Annual emission fee. (1) FEE REQUIRED. Except as provided under sub. (3), any person who owns or operates a facility for which an operation permit is required under s. 144.391, Stats., shall pay an annual emission fee to the department at the rate specified in s. 144.399(2), Stats.

(2) AIR CONTAMINANTS SUBJECT TO FEE. (a) Except as provided under par. (b), the annual emission fee shall be based on the annual actual emissions of the air contaminants listed in Table 1 of s. NR 438.03, as those annual actual emissions are recorded in the annual emission inventory prepared by the department under s. NR 438.03(5).

(b) The following emissions are exempt from the emission fees required under this section:

1. Emissions from any acid rain phase I affected unit for the years 1995 through 1999;

2. Except as provided under sub. (4), emissions in excess of 4,000 tons per year of any air contaminant from any one facility;

3. Emissions of carbon monoxide and carbon dioxide; and

4. Emission reduction credits reported as actual emissions.

(c) For the purpose of charging fees, the following groups of air contaminants shall be considered single air contaminants:

1. Particulate matter and PM_{10} .

2. Reduced sulfur compounds, mercaptans, hydrogen sulfide and total reduced sulfur.

3. Air contaminants reported as both a hazardous air contaminant and as either a particulate or volatile organic compound. The air contaminants which are not eligible for this exemption are identified by footnote number 3 in Table 1 of s. NR 438.03.

(3) FACILITIES EXEMPT FROM ANNUAL EMISSIONS FEES. (a) Any facility whose total annual emissions of all air contaminants listed in Table 1 of s. NR 438.03 is less than 5 tons is exempt from the requirement to pay an annual emissions fee.

(b) Indirect sources of air pollution are exempt from the requirement to pay an annual emissions fee.

(4) UTILITIES WITH ACID RAIN PHASE I AFFECTED UNITS. Notwithstanding sub. (2)(b)2., the department shall charge fees on emissions in excess of 4,000 tons per year of any air contaminant from any facility operated by a utility that owns or operates an acid rain phase I affected unit to the extent

necessary to recover the fees that would have been charged to that utility if the exemption under sub. (2)(b)1. did not exist.

(5) PAYMENT. Annual emission fees shall be paid to the department within 30 days of receipt of the bill.

(6) DISPUTED PAYMENT. (a) The owner or operator of a facility who disputes its annual emissions fee may request, in writing, that the department review the fee. Such a request shall be filed within 30 days of receipt of the bill. The department shall review and supply to the facility, within 14 calendar days of receipt of the written request, all information used to calculate the annual emissions fee. If the facility continues to dispute the fee, it shall supply to the department, within 14 calendar days after receipt of this information, the reasons it disputes the fee. The facility shall be notified by the department, within 7 calendar days of receipt of this information, whether the fee will be adjusted. If the facility continues to dispute the fee, it may appeal the department's final decision pursuant to s. 144.403, Stats.

(b) The facility shall pay the amount of fee not in dispute within 30 days of receipt of the bill.

SECTION 20. NR 428.02(intro.) is amended to read:

NR 428.02 DEFINITIONS. (intro.) ~~In addition to the definitions in this section, the~~ The definitions contained in ch. NR 400 apply to the terms used in this chapter.

SECTION 21. NR 428.02(1) is repealed.

SECTION 22. Chapter NR 438 is created to read:

Chapter NR 438

AIR CONTAMINANT EMISSION INVENTORY REPORTING REQUIREMENTS

NR 438.01 Applicability; purpose. (1) APPLICABILITY. This chapter applies to all air contaminant sources and to their owners and operators.

(2) PURPOSE. The purpose of this chapter is to establish, pursuant to ss. 144.31(1)(a), 144.38, and 144.96(1) and (2), Stats., requirements for submission of reports for owners or operators of air contaminant sources.

NR 438.02 Definitions. The definitions contained in ch. NR 400 apply to the terms used in this chapter. In addition, the following definitions apply to the terms used in this chapter:

(1) "Facility" means all stationary sources emitting air contaminants which belong to the same industrial grouping, are located on one or more contiguous or adjacent properties, and are under the control of the same person, or persons under common control. Emissions resulting from loading, unloading or stockpiling materials to or from vessels or vehicles while at a facility shall be considered as part of the facility's emissions. Air contaminant sources, other than transportation related activities, shall be considered as part of the same industrial grouping if they are classified under the same 2-digit major group as described in the Standard Industrial Classification Manual, 1987, incorporated by reference in ch. NR 484.

(2) "Source classification code" means an 8-position code which represents a process or function associated with a point of air contaminant emissions, as set forth in the AIRS Facility Subsystem Source Class Codes and Emission Factors, EPA 450/4-90-003, March, 1990, incorporated by reference in ch. NR 484.

NR 438.03 Required emission inventory reports. (1) REPORTABLE AIR CONTAMINANTS AND LEVELS. (a) Any person owning or operating a facility which emits an air contaminant in quantities above the reporting levels listed in Table 1, except indirect sources of air pollution, shall annually submit to the department an emission inventory report of annual, actual emissions or, for particulate matter, PM₁₀, sulfur dioxide, nitrogen oxides, carbon monoxide and volatile organic compounds, throughput information sufficient for the department to calculate its annual, actual emissions.

(b) When preparing its emission inventory report, the owner or operator of a facility may rely on information in an approved material safety data sheet. Trace contaminants need not be reported if they constitute less than 1% of the material, or 0.1% of the material if the air contaminant is footnoted as a suspected or confirmed human carcinogen by the American conference of governmental industrial hygienists in the 1990-1991 Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices, incorporated by reference in s. NR 484.05(8).

(c) Notwithstanding par. (a), the department may require any facility to submit an emission inventory report of its annual, actual and maximum theoretical air contaminant emissions.

(d) Any facility that has emission reduction credits shall report the credits separately as actual emissions on the annual emission inventory report.

Table 1

Air Contaminant Name	CAS Number ¹	Reporting Level (lbs/yr)
Acetaldehyde	75-07-0	6,000
Acetamide	60-35-5	6,000
Acetic acid	64-19-7	6,000
Acetic anhydride	108-24-7	4,436
Acetonitrile	75-05-8	6,000
Acetophenone	98-86-2	6,000
2-Acetylaminofluorene	53-96-3	6,000
Acrolein	107-02-8	91
Acrylamide	79-06-1	105
Acrylic acid	79-10-7	6,000
Acrylonitrile	107-13-1	12
Adriamycin	23214-92-8	12
Aflatoxins	1402-68-2	12
Aldrin	309-00-2	91
Allyl alcohol	107-18-6	1,829
Allyl chloride	107-05-1	1,093
Aluminum alkyls	7429-90-5 ²	725
Aluminum pyro powders	7429-90-5 ²	1,829
Aluminum soluble salts	7429-90-5 ²	725
2-Aminoanthraquinone	117-79-3	125
4-Aminobiphenyl	92-67-1	12
Amitrole	61-82-5	73
³ Ammonia	7664-41-7	6,000
Aniline	62-53-3	3,648
Anisidine	29191-52-4	125
o-Anisidine and o-anisidine hydrochloride	90-04-0 ²	125
Antimony & compounds, as Sb	7440-36-0 ²	179

Air Contaminant Name	CAS Number ¹	Reporting Level (lbs/yr)
ANTU	86-88-4	105
Arsenic and inorganic compounds, as As	7440-38-2 ²	12
³ Arsine	7784-42-1	73
Asbestos, all forms	1332-21-4 ²	12
Atrazine	1912-24-9	1,829
Azathioprine	446-86-6	12
Azinphos-methyl	86-50-0	73
Barium, soluble compounds, as Ba	7440-39-3 ²	179
Benomyl	17804-35-2	3,648
Benz(a)anthracene	56-55-3	12
Benzene	71-43-2	150
Benzidine	92-87-5	1.0
Benzo(b)fluoranthene	205-99-2	12
Benzo(j,k)fluorene	206-44-0	12
Benzo(a)phenanthrene	218-01-9	12
Benzo(a)pyrene	50-32-8	12
Benzotrichloride	98-07-7	125
Benzoyl peroxide	94-36-0	1,829
Benzyl chloride	100-44-7	1,829
Beryllium and beryllium compounds, as Be	7440-41-7 ²	12
Biphenyl	92-52-4	547
N,N-Bis (2-chloroethyl)-2-naphthylamine (Chloronaphazine)	494-03-1	12
Bischloroethyl nitrosourea	154-93-8	12
Bis(chloromethyl) ether (BCME) and technical grade	542-88-1	0.050
Borates, tetra, sodium salts, decahydrate	1303-96-4 ²	1,829
Borates, tetra, sodium salts, pentahydrate	1303-96-4 ²	368
Boron tribromide	10294-33-4	2,218
³ Boron trifluoride	7637-07-2	662
Bromacil	314-40-9	3,648
³ Bromine	7726-95-6	252
³ Bromine pentafluoride	7789-30-2	252

Air Contaminant Name	CAS Number ¹	Reporting Level (lbs/yr)
Bromoform	75-25-2	6,000
1,3-Butadiene	106-99-0	6,000
1,4-Butanediol dimethanesulphonate (Myleran)	55-98-1	12
2-Butoxyethanol (EGBE)	111-76-2	6,000
n-Butyl acrylate	141-32-2	6,000
n-Butyl alcohol	71-36-3	6,000
n-Butylamine	109-73-9	3,332
tert-Butyl chromate, as Cr	1189-85-1	0.050
n-Butyl glycidyl ether (BGE)	2426-08-6	6,000
n-Butyl lactate	138-22-7	6,000
o-sec-Butylphenol	89-72-5	6,000
p-tert-Butyltoluene	98-51-1	6,000
Cadmium and cadmium compounds, as Cd	7440-43-9 ²	12
Calcium cyanamide	156-62-7	179
Calcium hydroxide	1305-62-0	1,829
Calcium oxide	1305-78-8	725
Camphor (synthetic)	76-22-2	4,373
Caprolactam vapor	105-60-2	6,000
Captafol	2425-06-1	37
Captan	133-06-2	1,829
Carbaryl	63-25-2	1,829
Carbofuran	1563-66-2	37
Carbon black	1333-86-4	1,272
Carbon dioxide	124-38-9	100,000 tons
Carbon disulfide	75-15-0	6,000
Carbon monoxide	630-08-0	10,000
Carbon tetrabromide	558-13-4	515
Carbon tetrachloride	56-23-5	12
Carbonyl fluoride	353-50-4	1,829
Carbonyl sulfide	463-58-1	6,000
Catechol (Pyrocatechol)	120-80-9	6,000

Air Contaminant Name	CAS Number ¹	Reporting Level (lbs/yr)
Cesium hydroxide	21351-79-1	725
Chloramben	133-90-4	6,000
Chlorambucil	305-03-3	12
Chlordane	57-74-9	179
Chlorinated camphene	8001-35-2	179
Chlorinated dioxins and furans (total equivalents)	²	0.00005
Chlorinated diphenyl oxide	55720-99-5	179
³ Chlorine	7782-50-5	1,093
³ Chlorine dioxide	10049-04-4	105
³ Chlorine trifluoride	7790-91-2	88
Chloroacetic acid	79-11-8	6,000
2-Chloroacetophenone	532-27-4	6,000
Chlorobenzene (Monochlorobenzene)	108-90-7	6,000
Chlorobenzilate	510-15-6	6,000
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU)	13010-47-4	12
³ Chlorofluorocarbon-11 (CFC-11, R-11)	75-69-4	6,000
³ Chlorofluorocarbon-12 (CFC-12, R-12)	75-71-8	6,000
³ Chlorofluorocarbon-13 (CFC-13, R-13)	75-72-9	6,000
³ Chlorofluorocarbon-111 (CFC-111)		6,000
³ Chlorofluorocarbon-112 (CFC-112)		6,000
³ Chlorofluorocarbon-113 (CFC-113)	76-13-1	6,000
³ Chlorofluorocarbon-114 (CFC-114, R-114)	76-14-2	6,000
³ Chlorofluorocarbon-115 (CFC-115, R-115)	76-15-3	6,000
³ Chlorofluorocarbon-211 (CFC-211, R-211)		6,000
³ Chlorofluorocarbon-212 (CFC-212, R-212)		6,000
³ Chlorofluorocarbon-213 (CFC-213, R-213)		6,000
³ Chlorofluorocarbon-214 (CFC-214, R-214)		6,000
³ Chlorofluorocarbon-215 (CFC-215, R-215)		6,000
³ Chlorofluorocarbon-216 (CFC-216, R-216)		6,000
³ Chlorofluorocarbon-217 (CFC-217, R-217)		6,000

Air Contaminant Name	CAS Number ¹	Reporting Level (lbs/yr)
Chloroform	67-66-3	125
Chloromethyl methyl ether (CMME)	107-30-2	0.050
1-Chloro-1-nitropropane	600-25-9	3,648
Chloropicrin (Trichloronitromethane)	76-06-2	252
beta-Chloroprene	126-99-8	6,000
o-Chlorostyrene	2039-87-4	6,000
o-Chlorotoluene	95-49-8	6,000
Chlorpyrifos	2921-88-2	73
Chromium (II) compounds, as Cr	7440-47-3 ²	179
Chromium (III) compounds, as Cr	7440-47-3 ²	179
Chromium (VI) compounds, as Cr, water soluble	7440-47-3 ²	18
Chromium (VI) compounds, as Cr, water insoluble	7440-47-3 ²	1.0
Chromium (metal)	7440-47-3	179
Chromyl chloride, as Cr	14977-61-8	0.050
Cobalt, as Co, metal, dust	7440-48-4	18
³ Coke oven emissions	²	12
Copper, dust & mists, as Cu	7440-50-8	368
p-Cresidine	120-71-8	125
Cresol, all isomers	1319-77-3	6,000
m-Cresol	108-39-4	6,000
o-Cresol	95-48-7	6,000
p-Cresol	106-44-5	6,000
Crotonaldehyde	123-73-9 ²	2,943
Crufomate	299-86-5	1,829
Cumene	98-82-8	6,000
Cyanamide	420-04-2	725
Cyanides, (inorganics), as CN	143-33-9 ²	1,829
Cyanogen	460-19-5	6,000
Cyanogen chloride	506-77-4	137
Cyclohexanol	108-93-0	6,000
Cyclohexanone	108-94-1	6,000

Air Contaminant Name	CAS Number ¹	Reporting Level (lbs/yr)
Cyclohexylamine	108-91-8	6,000
Cyclopentadiene	542-92-7	6,000
Cyclophosphamide	50-18-0	12
Cyhexatin	13121-70-5	1,829
2,4-D, salts and esters	94-75-7	6,000
DDE	3547-04-4	6,000
Dacarbazine	4342-03-4	12
Demeton	8065-48-3	37
Diacetone alcohol	123-42-2	6,000
2,4-Diaminoanisoole sulfate	39156-41-7	125
2,4-Diaminotoluene	95-80-7 ²	125
Diazinon	333-41-5	37
Diazomethane	334-88-3	147
Dibenz(a,h)acridine	226-36-8	12
Dibenz(a,j)acridine	224-42-0	12
Dibenz(a,h)anthracene	53-70-3	12
7H-Dibenzo(c,g)carbazole	194-59-2	12
Dibenzofurans	132-64-9	6,000
Dibenzo(a,h)pyrene	189-64-0	12
Dibenzo(a,i)pyrene	189-55-9	12
³ Diborane	19287-45-7	37
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	125
1,2-Dibromoethane (EDB)	106-93-4	125
2-N-Dibutylaminoethanol	102-81-8	5,109
Dibutyl phthalate	84-74-2	1,829
o-Dichlorobenzene	95-50-1	6,000
p-Dichlorobenzene	106-46-7	6,000
3,3'-Dichlorobenzidine	91-94-1	125
1,3-Dichloro-5,5-dimethyl hydantoin	118-52-5	73
1,1-Dichloroethane	75-34-3	6,000
1,2-Dichloroethane (EDC)	107-06-2	12

Air Contaminant Name	CAS Number ¹	Reporting Level (lbs/yr)
1,2-Dichloroethylene	540-59-0	6,000
Dichloroethyl ether	111-44-4	6,000
1,1-Dichloro-1-nitroethane	594-72-9	3,648
Dichloropropene	542-75-6	1,829
2,2-Dichloropropionic acid	75-99-0	2,186
Dichlorvos	62-73-7	368
Dicrotophos	141-66-2	91
Dicyclopentadiene	77-73-6	6,000
Dieldrin	60-57-1	91
Diethanolamine	111-42-2	5,477
Diethylamine	109-89-7	6,000
2-Diethylaminoethanol	100-37-8	6,000
Diethylene triamine	111-40-0	1,461
Di(2-ethylhexyl) phthalate (DEHP)	117-81-7	125
Diethyl phthalate	84-66-2	1,829
Diethyl sulphate	64-67-5	12
Diethylstilbestrol (DES)	56-53-1	12
Diglycidyl ether (DGE)	2238-07-5	179
Diisobutyl ketone	108-83-8	6,000
Diisopropylamine	108-18-9	6,000
3,3'-Dimethoxybenzidine (o-Dianisidine)	119-90-4	125
Dimethyl acetamide	127-19-5	6,000
Dimethylamine	124-40-3	6,000
4-Dimethylaminoazobenzene	60-11-7	125
Dimethylaniline (N,N-Dimethylaniline)	121-69-7	6,000
3,3'-Dimethylbenzidine (o-Tolidine)	119-93-7	125
Dimethyl carbamoyl chloride	79-44-7	125
N,N-Dimethylformamide	68-12-2	6,000
1,1-Dimethylhydrazine	57-14-7	125
Dimethylphthalate	131-11-3	1,829
Dimethyl sulfate	77-78-1	12

Air Contaminant Name	CAS Number ¹	Reporting Level (lbs/yr)
Dinitrobenzene, all isomers	528-29-0 ²	368
Dinitro-o-cresol	534-52-1	73
2,4-Dinitrophenol	51-28-5	6,000
Dinitrotoluene	25321-14-6 ²	547
n-Dioctyl phthalate	117-84-0	6,000
1,4-Dioxane	123-91-1	125
Dioxathion	78-34-2	73
Diquat	85-00-7 ²	179
Disulfoton	298-04-4	37
Divinyl benzene	1321-74-0 ²	6,000
Endosulfan	115-29-7	37
Endrin	72-20-8	37
Epichlorohydrin	106-89-8	150
EPN	2104-64-5	179
1,2-Epoxybutane (1,2-Butylene oxide)	106-88-7	6,000
Ethanolamine	141-43-5	2,922
Ethion	563-12-2	147
2-Ethoxyethanol (EGEE)	110-80-5	3,280
2-Ethoxyethyl acetate (EGEEA)	111-15-9	6,000
Ethyl acrylate	140-88-5	6,000
Ethylamine (Ethanamine)	75-04-7	6,000
Ethyl amyl ketone	541-85-5	6,000
Ethyl benzene	100-41-4	6,000
Ethyl butyl ketone	106-35-4	6,000
Ethyl chloride (Chloroethane)	75-00-3	6,000
Ethylene chlorohydrin	107-07-3	662
Ethylenediamine	107-15-3	6,000
Ethylene glycol vapor	107-21-1	6,000
Ethylene oxide	75-21-8	12
Ethylene thiourea	96-45-7	125
Ethylenimine	151-56-4	368

Air Contaminant Name	CAS Number ¹	Reporting Level (lbs/yr)
Ethylidene norbornene	16219-75-3	5,550
N-Ethylmorpholine	100-74-3	6,000
Ethyl silicate	78-10-4	6,000
Fensulfothion	115-90-2	37
Fenthion	55-38-9	73
Fine mineral fibers (includes mineral fiber emissions from facilities manufacturing or processing glass, rock, or slag fibers (or other mineral derived fibers) of average diameter 1 micrometer or less)	²	6,000
Fluorides, (inorganics), as F	²	915
³ Fluorine	7782-41-4	725
Fonofos	944-22-9	37
Formaldehyde	50-00-0	125
Furfural	98-01-1	2,922
Furfuryl alcohol	98-00-0	6,000
³ Germanium tetrahydride	7782-65-2	221
Glycidol	556-52-5	6,000
Glycol ethers ⁴	²	6,000
³ Halon-1211		6,000
³ Halon-1301		6,000
³ Halon-2402		6,000
Heptachlor	76-44-8	179
Hexachlorobenzene (HCB)	118-74-1	12
Hexachlorobutadiene	87-68-3	46
Hexachlorocyclopentadiene	77-47-4	37
Hexachloroethane	67-72-1	6,000
Hexachloronaphthalene	1335-87-1	73
Hexamethylene-1,6-diisocyanate	822-06-0	6,000
Hexamethyl phosphoramidate	680-31-9	125
n-Hexane	110-54-3	6,000
sec-Hexyl acetate	108-84-9	6,000
Hexylene glycol	107-41-5	6,000
Hydrazine and hydrazine sulfate	302-01-2 ²	125

Air Contaminant Name	CAS Number ¹	Reporting Level (lbs/yr)
Hydrazobenzene	122-66-7	125
³ Hydrochlorofluorocarbon-21 (HCFC-21)		6,000
³ Hydrochlorofluorocarbon-22 (HCFC-22, R-22)		6,000
³ Hydrochlorofluorocarbon-31 (HCFC-31)		6,000
³ Hydrochlorofluorocarbon-121 (HCFC-121)		6,000
³ Hydrochlorofluorocarbon-122 (HCFC-122)		6,000
³ Hydrochlorofluorocarbon-123 (HCFC-123, R-123)		6,000
³ Hydrochlorofluorocarbon-124 (HCFC-124, R-124)	2837-89-0	6,000
³ Hydrochlorofluorocarbon-131 (HCFC-131)		6,000
³ Hydrochlorofluorocarbon-132b (HCFC-132b)		6,000
³ Hydrochlorofluorocarbon-133a (HCFC-133a)		6,000
³ Hydrochlorofluorocarbon-141(b) (HCFC-141b, R-141b)		6,000
³ Hydrochlorofluorocarbon-142(b) (HCFC-142b, R-142b)		6,000
³ Hydrochlorofluorocarbon-221 (HCFC-221)		6,000
³ Hydrochlorofluorocarbon-222 (HCFC-222)		6,000
³ Hydrochlorofluorocarbon-223 (HCFC-223)		6,000
³ Hydrochlorofluorocarbon-224 (HCFC-224)		6,000
³ Hydrochlorofluorocarbon-225(c)(a) (HCFC-225ca)		6,000
³ Hydrochlorofluorocarbon-225(c)(b) (HCFC-225cb)		6,000
³ Hydrochlorofluorocarbon-226 (HCFC-226)		6,000
³ Hydrochlorofluorocarbon-231 (HCFC-231)		6,000
³ Hydrochlorofluorocarbon-232 (HCFC-232)		6,000
³ Hydrochlorofluorocarbon-233 (HCFC-233)		6,000
³ Hydrochlorofluorocarbon-234 (HCFC-234)		6,000
³ Hydrochlorofluorocarbon-235 (HCFC-235)		6,000
³ Hydrochlorofluorocarbon-241 (HCFC-241)		6,000
³ Hydrochlorofluorocarbon-242 (HCFC-242)		6,000
³ Hydrochlorofluorocarbon-243 (HCFC-243)		6,000

Air Contaminant Name	CAS Number ¹	Reporting Level (lbs/yr)
³ Hydrochlorofluorocarbon-244 (HCFC-244)		6,000
³ Hydrochlorofluorocarbon-251 (HCFC-251)		6,000
³ Hydrochlorofluorocarbon-252 (HCFC-252)		6,000
³ Hydrochlorofluorocarbon-253 (HCFC-253)		6,000
³ Hydrochlorofluorocarbon-261 (HCFC-261)		6,000
³ Hydrochlorofluorocarbon-262 (HCFC-262)		6,000
³ Hydrochlorofluorocarbon-271 (HCFC-271)		6,000
Hydrogenated terphenyls	61788-32-7	1,829
³ Hydrogen bromide	10035-10-6	2,218
³ Hydrogen chloride	7647-01-0	1,556
³ Hydrogen cyanide	74-90-8	2,218
³ Hydrogen fluoride	7664-39-3	557
³ Hydrogen peroxide	7722-84-1	547
³ Hydrogen sulfide	7783-06-4	5,109
Hydroquinone	123-31-9	725
2-Hydroxypropyl acrylate	999-61-1	1,093
Indeno(1,2,3-cd)pyrene	193-39-5	12
Indium	7440-74-6	37
³ Iodine	7553-56-2	221
Iron dextran complex	9004-66-4	12
Iron salts, soluble, as Fe	²	368
Isobutyl alcohol	78-83-1	6,000
Isooctyl alcohol	26952-21-6	6,000
Isophorone	78-59-1	5,550
Isophorone diisocyanate	4098-71-9	33
Isopropoxyethanol	109-59-1	6,000
Isopropylamine	75-31-0	4,373
N-Isopropylaniline	768-52-5	3,648
Isopropyl glycidyl ether	4016-14-2	6,000
Ketene	463-51-4	326

Air Contaminant Name	CAS Number ¹	Reporting Level (lbs/yr)
Lead compounds	7439-92-1 ²	6,000
Lindane and other hexachlorocyclohexane isomers	58-89-9 ²	12
Maleic anhydride	108-31-6	368
Manganese, as Mn, dust and compounds	7439-96-5 ²	1,114
Melphalan	148-82-3	12
³ Mercury alkyl compounds, as Hg	7439-97-6 ²	3.7
³ Mercury, all forms except alkyl, vapor, as Hg	7439-97-6 ²	18
³ Mercury aryl & inorganic compounds, as Hg	7439-97-6 ²	37
Mesityl oxide	141-79-7	6,000
Mestranol	72-33-3	12
Methacrylic acid	79-41-4	6,000
Methanol	67-56-1	6,000
Methomyl	16752-77-5	915
Methoxychlor	72-43-5	6,000
2-Methoxyethanol (EGME)	109-86-4	5,834
2-Methoxyethyl acetate (EGMEA)	110-49-6	6,000
4-Methoxyphenol	150-76-5	1,829
Methyl acrylate	96-33-3	6,000
Methylacrylonitrile	126-98-7	1,093
Methylamine	74-89-5	4,373
Methyl n-amyl ketone	110-43-0	6,000
N-Methyl aniline	100-61-8	725
Methyl bromide	74-83-9	6,000
Methyl n-butyl ketone	591-78-6	6,000
Methyl chloride	74-87-3	6,000
³ Methyl chloroform (1,1,1-Trichloroethane)	71-55-6	6,000
Methyl 2-cyanoacrylate	137-05-3	2,922
Methylcyclohexanol	25639-42-3	6,000
o-Methylcyclohexanone	583-60-8	6,000
Methyl demeton	8022-00-2	179
4,4'-Methylene bis(2-chloroaniline) (MOCA)	101-14-4	125

Air Contaminant Name	CAS Number ¹	Reporting Level (lbs/yr)
Methylene bis(4-cyclohexylisocyanate)	5124-30-1	19
Methylene bisphenyl isocyanate (MDI)	101-68-8	44
³ Methylene chloride	75-09-2	6,000
4,4'-Methylenedianiline (and dihydrochloride)	101-77-9 ²	125
Methyl ethyl ketone (2-Butanone) (MEK)	78-93-3	6,000
Methyl ethyl ketone peroxide	1338-23-4	336
Methyl formate	107-31-3	6,000
Methyl hydrazine	60-34-4	336
Methyl iodide	74-88-4	125
Methyl isoamyl ketone	110-12-3	6,000
Methyl isobutyl carbinol	108-11-2	6,000
Methyl isobutyl ketone	108-10-1	6,000
Methyl isocyanate	624-83-9	18
Methyl methacrylate	80-62-6	6,000
Methyl parathion	298-00-0	73
alpha-Methyl styrene	98-83-9	6,000
Methyl tert-butyl ether	1634-04-4	6,000
Mevinphos (Phosdrin)	7786-34-7	37
Molybdenum, as Mo, soluble compounds	7439-98-7 ²	1,829
Monocrotophos	6923-22-4	91
Morpholine	110-91-8	6,000
Mustard gas	505-60-2	12
Naled	300-76-5	1,093
Naphthalene	91-20-3	6,000
2-Naphthylamine	91-59-8	12
Nickel compounds other than nickel subsulfide, as Ni	7440-02-0 ²	125
Nickel subsulfide	12035-72-2	12
Nitric acid	7697-37-2	1,829
p-Nitroaniline	100-01-6	1,093
Nitrobenzene	98-95-3	1,829
4-Nitrobiphenyl	92-93-3	6,000

Air Contaminant Name	CAS Number ¹	Reporting Level (lbs/yr)
p-Nitrochlorobenzene	100-00-5	233
Nitroethane	79-24-3	6,000
Nitrogen mustards (2,2'-Dichloro-N-methyldiethylamine)	51-75-2	12
³ Nitrogen oxides	²	10,000
Nitromethane	75-52-5	6,000
4-Nitrophenol	100-02-7	6,000
2-Nitropropane	79-46-9	125
N-Nitrosodi-n-butylamine	924-16-3	12
N-Nitrosodiethanolamine	1116-54-7	12
N-Nitrosodiethylamine	55-18-5	12
N-Nitrosodimethylamine	62-75-9	12
p-Nitrosodiphenylamine	156-10-5	12
N-Nitrosodi-n-propylamine	621-64-7	12
N-Nitroso-N-ethylurea	759-73-9	12
N-Nitroso-N-methylurea	684-93-5	12
N-Nitrosomethylvinylamine	4549-40-0	12
N-Nitrosomorpholine	59-89-2	12
N'-Nitrososarcosine	16543-55-8	12
N-Nitrosopiperidine	100-75-4	12
N-Nitrosopyrrolidine	930-55-2	12
N-Nitrososarcosine	13256-22-9	12
Nitrotoluene, all isomers	99-08-1 ²	4,016
Octachloronaphthalene	2234-13-1	37
Oestradiol	50-28-2	12
Oxalic acid	144-62-7	368
Oxymetholone	434-07-1	12
Paraquat (respirable sizes)	1910-42-5 ²	37
Parathion	56-38-2	37
³ Particulate matter	²	10,000
PM ₁₀	²	10,000
Pentachloronaphthalene	1321-64-8	179

Air Contaminant Name	CAS Number ¹	Reporting Level (lbs/yr)
Pentachloronitrobenzene (Quintobenzene) (PCNB)	82-68-8	6,000
Pentachlorophenol	87-86-5	179
³ Perchloroethylene	127-18-4	6,000
Perchloromethyl mercaptan	594-42-3	294
Phenazopyridine and phenazopyridine hydrochloride	136-40-3 ²	12
Phenol	108-95-2	6,000
Phenothiazine	92-84-2	1,829
p-Phenylenediamine	106-50-3	37
Phenyl ether vapor	101-84-8	2,554
Phenyl glycidyl ether (PGE)	122-60-1	2,186
Phenylhydrazine	100-63-0	3,831
Phenyl mercaptan	108-98-5	725
Phenytoin and sodium salt of phenytoin	57-41-0 ²	12
Phorate	298-02-2	18
Phosgene	75-44-5	147
³ Phosphine	7803-51-2	147
Phosphoric acid	7664-38-2	368
Phosphorus (yellow)	7723-14-0	37
Phosphorus oxychloride	10025-87-3	221
³ Phosphorus pentachloride	10026-13-8	368
Phosphorus pentasulfide	1314-80-3	368
³ Phosphorus trichloride	7719-12-2	547
Phthalic anhydride	85-44-9	2,186
Pindone	83-26-1	37
Platinum (metal)	7440-06-4	368
Platinum, soluble salts, as Pt	7440-06-4 ²	0.73
Polychlorinated biphenyls (PCB)	1336-36-3	0.050
Potassium hydroxide	1310-58-3	442
Procarbazine and procarbazine hydrochloride	366-70-1 ²	12
1,3-Propane sultone	1120-71-4	125
Propargyl alcohol	107-19-7	725

Air Contaminant Name	CAS Number ¹	Reporting Level (lbs/yr)
beta-Propiolactone	57-57-8	125
Propionaldehyde	123-38-6	6,000
Propoxur	114-26-1	179
Propylene dichloride	78-87-5	6,000
Propylene oxide	75-56-9	125
Propylenimine	75-55-8	125
Propylthiouracil	51-52-5	12
Pyrethrum	8003-34-7	1,829
Pyridine	110-86-1	5,477
Quinoline	91-22-5	6,000
Quinone	106-51-4	147
Reserpine	50-55-5	12
Resorcinol	108-46-3	6,000
Rhodium (metal)	7440-16-6	368
Rhodium, soluble compounds, as Rh	7440-16-6 ²	3.7
Rotenone (commercial)	83-79-4	1,829
Selenium and compounds, as Se	7782-49-2 ²	73
³ Silicon tetrahydride (Silane)	7803-62-5	2,554
Sodium bisulfite	7631-90-5	1,829
Sodium fluoroacetate	62-74-8	18
Sodium hydroxide	1310-73-2	442
³ Stibine (Antimony hydride)	7803-52-3	179
Stoddard solvent (Mineral spirits)	8052-41-3	6,000
Streptozotocin	18883-66-4	12
Strychnine	57-24-9	55
Styrene, monomer	100-42-5	6,000
Styrene oxide	96-09-3	6,000
Sulfotep (TEDP)	3689-24-5	73
³ Sulfur dioxide	7449-09-5	10,000
Sulfuric acid	7664-93-9	368
Sulfur monochloride	10025-67-9	1,335

Air Contaminant Name	CAS Number ¹	Reporting Level (lbs/yr)
³ Sulfur tetrafluoride	7783-60-0	88
³ Sulfuryl fluoride	2699-79-8	6,000
Tellurium and compounds, as Te	13494-80-9 ²	37
TEPP	107-49-3	18
Terphenyls	26140-60-3	1,114
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	0.00005
1,1,2,2-Tetrachloroethane	79-34-5	2,554
Tetrachloronaphthalene	1335-88-2	725
Tetrahydrofuran	109-99-9	6,000
Thallium, soluble compounds, as Tl	7440-28-0 ²	37
Thionyl chloride	7719-09-7	1,114
Thiourea	62-56-6	125
Thiram	137-26-8	1,829
Tin (metal)	7440-31-5	725
Tin organic compounds, as Sn	7440-31-5 ²	37
Tin oxide & inorganic compounds, except SnH ₄ , as Sn	7440-31-5 ²	725
Titanium tetrachloride	7550-45-0	6,000
Toluene (Toluol)	108-88-3	6,000
Toluene-2,4-diisocyanate (TDI)	584-84-9	15
m-Toluidine	108-44-1	3,280
o-Toluidine	95-53-4	12
³ Total reduced sulfur and reduced sulfur compounds	²	10,000
Tributyl phosphate	126-73-8	915
1,2,4-Trichlorobenzene	120-82-1	6,000
1,1,2-Trichloroethane	79-00-5	6,000
Trichloroethylene	79-01-6	6,000
Trichloronaphthalene	1321-65-9	1,829
2,4,5-Trichlorophenol	95-95-4	6,000
2,4,6-Trichlorophenol	88-06-2	6,000
1,2,3-Trichloropropane	96-18-4	6,000
Triethylamine	121-44-8	6,000

Air Contaminant Name	CAS Number ¹	Reporting Level (lbs/yr)
Trifluralin	1582-09-8	6,000
Trimellitic anhydride	552-30-7	15
Trimethyl benzene, mixed isomers	25551-13-7	6,000
2,2,4-Trimethylpentane	540-84-1	6,000
Triorthocresyl phosphate	78-30-8	37
Triphenyl phosphate	115-86-6	1,093
Tris(1-aziridinyl)phosphine sulfide	52-24-4	12
Tungsten - as W, insoluble compounds	7440-33-7 ²	1,829
Tungsten - as W, soluble compounds	7440-33-7 ²	368
Uranium (natural), soluble & insoluble compounds, as U	7440-61-1 ²	73
Urethane (Ethyl carbamate)	51-79-6	125
n-Valeraldehyde	110-62-3	6,000
Vanadium, as V ₂ O ₅ , respirable dust and fume	1314-62-1	179
Vinyl acetate	108-05-4	6,000
Vinyl bromide	593-60-2	6,000
Vinyl chloride	75-01-4	150
Vinyl cyclohexene dioxide	106-87-6	6,000
Vinylidene chloride	75-35-4	6,000
Vinyl toluene	25013-15-4	6,000
³ Volatile organic compounds (Reactive organic gases)	2	6,000
Warfarin	81-81-2	37
Xylene, mixed isomers (Xylol)	1330-20-7	6,000
m-Xylene	108-38-3	6,000
o-Xylene	95-47-6	6,000
p-Xylene	106-42-3	6,000
m-Xylene-alpha,alpha'-diamine	1477-55-0	22
Xylidine, mixed isomers	1300-73-8	912
Zirconium and compounds, as Zr	7440-67-7 ²	1,829

¹ Chemical Abstract Service or CAS numbers refer to the unique chemical abstracts service registry number assigned to a specific chemical, isomer or mixture of chemicals or isomers and recorded in the CAS chemical registry system by the Chemical Abstracts Service, P.O. Box 3012, Columbus OH 43210, phone 1-800-848-5638 ext. 2308.

- ² Indicates contaminants for which multiple CAS numbers may apply. For contaminants listed as a metal and its compounds, the given CAS number refers to the metal.
- ³ Indicates contaminants for which a fee will be assessed, under s. NR 410.04.
- ⁴ Glycol ethers means any compound which can be described by the following chemical formula:
 $R - (OCH_2CH_2)_n - OR'$

Where: $n = 1, 2, \text{ or } 3$

$R = \text{alkyl C7 or less}$

or $R = \text{phenyl or alkyl-substituted phenol}$

$R' = \text{H or alkyl C7 or less}$

or ester, sulfate, phosphate, nitrate, sulfonate

(i.e. any group that will readily come off).

(2) REPORTING DEADLINE. Reports required under this section shall be submitted by March 1 of each year for air contaminants emitted during the preceding year. Persons unable to submit reports by March 1 may, upon request to the department, be granted an extension until March 15 for submission of the reports if the department determines that an extension is reasonable under the circumstances.

(3) PORTABLE SOURCES. The owner or operator of a portable source shall file one emission inventory report covering all operations at all locations in the state during the previous year.

(4) REQUIRED RECORDS. Owners and operators of facilities required to file emission inventory reports shall keep accurate and reliable records sufficient to enable verification of the reports by the department. Records shall include data on fuel composition and consumption, quantities of raw materials handled which contribute to emissions, quantities of wastes incinerated, continuous emissions monitoring data and audits, and any results of stack or performance tests together with the names of persons or firms responsible for each test, if applicable. Records shall be retained for 5 years following the year in which the emission inventory report is submitted.

(5) EMISSION INVENTORY AND CERTIFICATION. (a) Based on the throughput or emissions information submitted pursuant to ss. NR 438.03 and 438.04, the department shall determine each facility's annual actual emissions and typical ozone season day emissions based on emission factors contained in Compilation of Air Pollution Emission Factors, AP-42, Volume 1: Stationary Point and Area Sources, USEPA-OAQPS, September 1991, or Toxic Air Pollutant Emission Factors for Selected Air Toxic Compounds and Sources, USEPA-OAQPS, EPA-450/2-88-066a, October, 1990, incorporated by reference in ch. NR 484. Other emission factors or methods, including, but not limited to, mass balance or other use reporting, consumption and analytical methodologies, or continuous emissions monitoring data, if applicable, may be used by the department.

(b) The actual annual emissions determined by the department under par. (a) shall constitute the department's annual emission inventory.

(c) By May 31 of each year, the department shall send each owner or operator of a facility which is required to file an emission inventory report a summary from the department's annual emission inventory of the air contaminants emitted by the facility for the previous year. The owner or operator of a facility required to obtain an air pollution control permit under s. 144.391, Stats., and chs. NR 406 or 407, or which emits volatile organic compounds or nitrogen oxides in an ozone nonattainment area, shall, by June 30 of each year, send a written certification to the department that the summary of its emissions is correct. The certification shall contain the name, title, signature and telephone number of the certifier, the date of certification and a statement that the information contained in the emissions summary is accurate to the best knowledge of the owner or operator of that facility.

(6) DISPUTED EMISSIONS. Any facility that disputes the emissions summary supplied by the department under sub. (5)(c) may request, in writing, that the department review its emissions summary. The department shall review and supply to the facility, within 14 calendar days of receipt of the facility's written request, information used to prepare the emission inventory and summary for that facility. If the facility continues to dispute the emissions summary, it shall supply to the department, within 14 calendar days of receipt of the department's information, the reasons it disputes the summary. The facility shall be notified within 7 calendar days of receipt of this information of the department's decision on whether to adjust the emission inventory and summary. If the facility continues to dispute the summary, it may appeal the department's final decision pursuant to state law. The facility shall certify any emissions not in dispute by June 30 of each year.

NR 438.04 Content of emission inventory reports. (1) GENERAL INSTRUCTIONS. Emission inventory reports required under this chapter shall be submitted on forms or other media supplied by the department. Emission inventory reports submitted by facilities shall contain the information specified in s. NR 438.03(1) and (3) and this section. Emissions shall be reported separately for each source or group of similar sources at each facility.

Note: Emission inventory reports shall be made on form 4500-090 available from the Bureau of Air Management, Department of Natural Resources, P.O. Box 7921, Madison, WI 53707, Tel. (608) 266-0151.

(2) FACILITY IDENTIFICATION AND GENERAL INFORMATION. For all facilities the emission inventory report shall include:

(a) The name and mailing address of the facility.

(b) The location of the facility.

(c) The name and address of the parent company or corporation, if any.

(d) The appropriate facility standard industrial classification code and a brief description which characterizes the nature of the business or other activity of the facility.

(e) The normal operation schedule of the facility in hours per day, days per week, days per year, and percentage production by quarter.

(f) The name and telephone number of the individual to be contacted regarding the emission inventory report.

(g) A list of stacks and the air contaminant sources vented to each stack including:

1. Height of each stack.

2. Inside top diameter of each stack.

3. Volumetric flow rate through each stack at maximum and normal operating conditions.

4. Temperature of the gas flowing through each stack at maximum and normal operating conditions.

5. The type of continuous emission monitor and pollutant or pollutants monitored for each stack, if applicable.

(h) A description of fugitive emissions, their type, source, operating schedule, estimated emissions or throughput, and control technique and estimated control efficiency.

(3) FUEL COMBUSTION. For fuel combustion units, the emission inventory report shall include:

(a) Source classification code.

(b) Number of boilers.

(c) Types of fuel burning equipment for each boiler.

(d) Rated capacity of each boiler.

(e) For each fuel burned:

1. Type of fuel.

2. Maximum and average quantity burned per hour.

3. Quantity burned per year.

4. Average hours of operation of each boiler using the fuel per day.

5. Average and maximum sulfur content in percent by weight per fuel.

6. Average and maximum ash content in percent by weight per fuel.

7. Average and maximum heat content of fuel in BTUs per unit per fuel.

(f) The type of air pollution control equipment in use and the actual control efficiency in percent.

(4) MANUFACTURING PROCESSES. For manufacturing processes which emit air contaminants, the emission inventory report shall include:

(a) Process name and description.

(b) Source classification code.

(c) Quantity of raw materials used and handled for each process, maximum quantity per hour, and actual quantity per year.

(d) Description of annual, seasonal, monthly, weekly and daily operating cycle including downtime for maintenance and repairs.

(e) The type air pollution control equipment in use and the actual capture and control efficiency in percent.

(5) INCINERATION. For all incineration equipment, the emission inventory report shall include:

(a) Source classification code.

(b) Type or description of waste.

- (c) Percent of waste which is combustible.
- (d) Capacity of incinerator in pounds of waste per hour.
- (e) Residence time of the combustion products in the combustion chamber.
- (f) Description of annual, seasonal, monthly, weekly and daily operating cycle including downtime for maintenance and repairs.
- (g) The type of air pollution control equipment in use and the actual control efficiency in percent.

(6) OTHER AIR CONTAMINANTS. For all other air contaminant emissions from a facility, the emission inventory report shall include:

- (a) Identification of the air contaminant and its associated identifier number which is supplied to the source by the department.
- (b) Annual, actual emissions of the air contaminant.
- (c) Units of reported emissions.
- (d) Method of determination of emissions.

SECTION 23. NR 440.10(1) is amended to read:

NR 440.10(1) Exemption or the granting of an exemption from any requirement of this chapter does not relieve any person from compliance with ~~ch. NR 101, with other requirements of~~ chs. NR 400 to 499 or with ss. 144.30 to 144.426 or 144.96, Stats.

SECTION 24. NR 484.03(5) is renumbered 484.03(6).

SECTION 25. NR 484.03(5) is created to read:

NR 484.03(5) Standard Industrial Classification Manual, 1987, for s. NR 400.02(91). Copies may be obtained from the National Technical Information

Service, 5285 Port Royal Road, Springfield VA 22161 using order no. PB 87-100012.

SECTION 26. NR 484.04(2) is renumbered 484.04(2)(d) and as renumbered is amended to read:

NR 484.04(2)(d) Standard Industrial Classification Code Manual, ~~1972, as amended by the 1977 Supplement (U.S. government printing office stock numbers 4101 0066 and 003 005 00176 0, respectively)~~ 1987, NTIS order no. PB 87-100012, for s. NR 407.04(1)(a) and 410.02(4). ~~The SIC Code Manual and Supplement may be purchased from the superintendent of documents, U.S. government printing office, Washington, DC 20402.~~

SECTION 27. NR 484.04(3)(intro.), (a), (b) and (c) are renumbered 484.04(2)(intro.), (c), (a) and (b).

SECTION 28. NR 484.05(3) is amended to read:

NR 484.05(3) The following materials may be purchased from the National Technical Information Service, 5285 Port Royal Road, Springfield VA 22161.

(a) Recommended Industrial Ventilation Guidelines, U.S. department of health, education and welfare, national institute of occupational safety and health, 1976, NTIS order no. PB-266 227, for s. NR 421.04(3)(c)2. ~~Copies may be obtained as PB 266 227 from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161.~~

SECTION 29. NR 484.05(3)(b) to (e) and (8) are created to read:

NR 484.05(3)(b) Standard Industrial Classification Manual, 1987, NTIS order no. PB 87-100012, for s. NR 438.02(1).

(c) Compilation of Air Pollutant Emission Factors, USEPA-OAQPS, AP-42, Volume 1: Stationary Point and Area Sources, as amended by Supplement B in September, 1989, Supplement C in September, 1990, and Supplement D in September, 1991, for s. NR 438.03(5).

(d) Toxic Air Pollutant Emission Factors for Selected Air Toxic Compounds and Sources, USEPA-OAQPS, EPA-450/2-90-066a, October, 1990, for s. NR 438.03(5).

(e) AIRS Facility Subsystem Source Class Codes and Emission Factors, EPA 450/4-90-003, March, 1990, for s. NR 438.02(2).

(8) The 1990-1991 Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices, published by the American conference of governmental industrial hygienists (publication ISBN: 0-936712-86-4), is incorporated by reference for s. NR 438.03(1)(b). This publication may be purchased for personal use from the American Conference of Governmental Industrial Hygienists (ACGIH), 6500 Glenway Avenue, Cincinnati, OH 45211.

SECTION 30. NR 494.01 is amended to read:

NR 494.01 APPLICABILITY; PURPOSE. (1) APPLICABILITY. This chapter applies to all of air contaminant sources governed by ss. 144.30 to 144.426 or 144.96, Stats., or by chs. NR ~~101~~ and 400 to 499, and to their owners and operators.

(2) PURPOSE. This chapter is adopted under ss. 144.31, 144.423 and 144.426, Stats., to provide enforcement procedures and penalties for

violations of any provision of ss. 144.30 to 144.426 or 144.96, Stats., or of chs. NR ~~101~~ or 400 to 499, or of a permit, plan approval or special order under ss. 144.30 to 144.426 or 144.96, Stats., or chs. NR 400 to 499.

SECTION 31. NR 494.03 is amended to read:

NR 494.03 PROCEDURE. If the department has reason to believe that a violation of ss. 144.30 to 144.426 or 144.96, Stats., ~~ch. NR 101~~ or chs. NR 400 to 499, or of a permit, plan approval or special order issued by the department under ss. 144.30 to 144.426 or 144.96, Stats., has occurred, the department may proceed under s. 144.423, Stats.

SECTION 32. NR 494.05 is amended to read:

NR 494.05 PENALTIES. Any person who violates any provision of ss. 144.30 to 144.426 or 144.96, Stats., ~~ch. NR 101~~ or chs. NR 400 to 499, or a permit or special order issued by the department under ss. 144.30 to 144.426 or 144.96, Stats., is subject to the penalties provided under s. 144.426, Stats.

The foregoing rules were approved and adopted by the State of Wisconsin Natural Resources Board on February 25, 1993.

The rules shall take effect on the first day of the month following publication in the Wisconsin administrative register as provided in s. 227.22(2)(intro.), Stats.

~~Dated at Madison, Wisconsin~~ May 19, 1993

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES

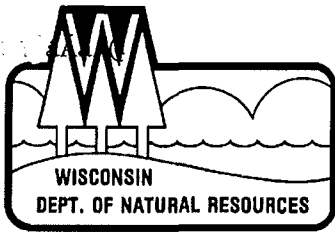
By George E. Meyer
George E. Meyer, Secretary

(SEAL)

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MAY 24 1993

Revisor of Statutes
Bureau



George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

101 South Webster Street
Box 7921
Madison, Wisconsin 53707
TELEPHONE 608-266-2621
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TDD 608-267-6897

May 19, 1993

Mr. Gary L. Poulson
Assistant Revisor of Statutes
131 West Wilson Street - Suite 800
Madison, WI

RECEIVED

MAY 24 1993

Revisor of Statutes
Bureau

Dear Mr. Poulson:

Enclosed are two copies, including one certified copy, of State of Wisconsin Natural Resources Board Order No. AM-43-92. These rules were reviewed by the Assembly Committee on Environmental Resources and the Senate Committee on Environment and Energy pursuant to s. 227.19, Stats. Summaries of the final regulatory flexibility analysis and comments of the legislative review committees are also enclosed.

You will note that this order takes effect following publication. Kindly publish it in the Administrative Code accordingly.

Sincerely,


George E. Meyer
Secretary

Enc.

