

ENVIRONMENTAL PROTECTION AGENCY

[AD-FRL-_____]

NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS
Revision of List of Categories of Sources and Schedule for
Standards Under Section 112 of the Clean Air Act

AGENCY: Environmental Protection Agency (EPA)

ACTION: Notice of revisions to list of categories of major and area sources, and revisions to promulgation schedule for standards.

SUMMARY: This notice publishes revisions made or which have been proposed to the list of categories of sources of hazardous air pollutants (HAP) and the corresponding schedule for the promulgation of emission standards. Required under Sections 112(c) and (e) of the Clean Air Act, the source category list and the schedule for standards constitute a significant part of the EPA's agenda for regulating stationary sources of air toxics emissions. The "list" and "schedule" were most recently published in the FEDERAL REGISTER on June 4, 1996 (61 FR 28197).

Today's notice meets the requirement in Section 112(c)(1) to publish from time to time a list of all categories of sources, reflecting revisions since the list was published. Several of the revisions identified in today's notice have already been

published in actions associated with listing and promulgating emission standards for individual source categories, and public comment has already been taken in the context of those actions. Some of the revisions in today's notice have not been reflected in any previous notices, and are being made without public comment on the Administrator's own motion. Such revisions are deemed by EPA to be without need for public comment, based on the nature of the actions. Other revisions have been only proposed as of today's date, but are reflected nevertheless to be inclusive of all list and schedule actions of probable interest to the reader.

EFFECTIVE DATE: [Insert date of publication of this notice]

ADDRESSES: Relevant information can be found in the FEDERAL REGISTER notices cited below in the SUPPLEMENTARY INFORMATION section of this notice.

Docket: Docket No. A-90-49, containing supporting information used in development of this notice, is available for public inspection and copying between 8 a.m. and 5:30 p.m., Monday through Friday, excluding legal holidays. The docket is located in the EPA's Air and Radiation Docket and Information Center, Waterside Mall, room M-1500, 401 M Street, SW, Washington, D. C. 20460, or by calling (202) 260-7548. A reasonable fee may be charged for copying docket materials.

FOR FURTHER INFORMATION CONTACT: For information concerning this

notice, contact Mr. David Svendsgaard, Emissions Standards Division (MD-13), U.S. EPA, Office of Air Quality Planning and Standards, Research Triangle Park, North Carolina 27711, telephone number (919) 541-2380, facsimile number (919) 541-3470, electronic mail address "svendsgaard.dave@epamail.epa.gov".

SUPPLEMENTARY INFORMATION:

I. Background

The Clean Air Act Amendments of 1990 [Pub. L. 101-549] require, under the revisions to Section 112, that the Agency list categories of sources emitting HAP and promulgate national emission standards for hazardous air pollutants (NESHAP) in order to control, reduce, or otherwise limit the emissions of HAP from such categories of major and area sources. Pursuant to the various specific listing requirements in Section 112(c), the Agency published on July 16, 1992 (57 FR 31576) a list of 174 categories of major and area sources -- referred to as the "initial list" -- that would be henceforth subject to emission standards. Following this listing, pursuant to requirements in Section 112(e), on December 3, 1993 (58 FR 63941) the Agency published a schedule for the promulgation of emission standards for each of the 174 listed source categories. The schedule for standards organized the source categories into groups of four separate timeframes with promulgation deadlines of November 15, 1992, November 15, 1994, November 15, 1997, or November 15, 2000.

The reader is directed to these two notices for information relating to development of the initial list and schedule.

Following these publications, several list and schedule actions were effected through publication of specific FEDERAL REGISTER notices. For example, on November 12, 1993 (58 FR 60021), the Agency listed marine vessel loading operations as a category of major sources, with standards to be promulgated, pursuant to Section 112(c)(5), by the year 2000. As another example, on September 8, 1994 (59 FR 46339), the Agency promulgated standards for HAP emissions for industrial process cooling towers. This latter action did not revise the list or schedule, per se, but specifically delineated rule applicability by defining the affected sources within the listed category. The Agency believes that defining rule applicability and affected sources as part of standard setting constitutes an important aspect of list revision. As was stated in the initial list notice (57 FR 31576):

"the Agency recognizes that these descriptions [in the initial list], like the list itself, may be revised from time to time as better information becomes available. The Agency intends to revise these descriptions as part of the process of establishing standards for each category. Ultimately, a definition of each listed category, or subsequently listed subcategories, will be incorporated in each rule establishing a NESHAP for a category."

As more notices were published that effected actions relating to individual source categories, it became important to examine the resultant change on the list and schedule. On June

4, 1996 (61 FR 28197), the EPA published a notice that referenced all previous listing and schedule changes and consolidated those actions, along with several new actions, into a revised source category list and schedule. A subsequent notice was published on July 18, 1996 (61 FR 37542) which corrected typographical errors in the June 4 notice.

Section 112(e)(4) states that, notwithstanding Section 307 of the Act, no action of the Administrator listing a source category or subcategory under Section 112(c) shall be a final Agency action subject to judicial review, except that any such action may be reviewed under Section 307 when the Administrator issues emission standards for such pollutant or category. Therefore, today's list is not a final Agency action and is not subject to judicial review.

Prior to issuance of the initial source category list, the EPA published a draft initial list for public comment (56 FR 28548; June 21, 1991). Although the EPA was not required to take public comment on the initial source category list, it believed it was useful to solicit input on a number of issues related to the list. Indeed, in most instances, even where there is no statutory requirement to take comment, EPA solicits public comment on actions it is contemplating. The EPA has, however, decided that it is unnecessary to solicit additional public comment on the revisions reflected in today's notice because interested parties have already had, or will have in the future,

the opportunity to provide comments on many of the revisions in the context of individual actions relating to proposing and promulgating emissions standards.

II. Description of Individual List and Schedule Revisions

The revised source category list and regulatory schedule, reflecting all actions up to today's date, are presented in Table 1. This table incorporates the entire listing of source categories listed to this date, including those listed on the initial list as well as those listed subsequently either through a specific FEDERAL REGISTER notice or the June 4, 1996 revision notice. Table 1 also includes the updated schedule for establishing emission standards under Section 112 for the listed categories, including rule proposal or promulgation FEDERAL REGISTER citations (Table 1 omits proposal notices once a rule has been promulgated). Table 1 is formatted so that the reader can at once see all categories of major and area sources that have been listed to date, the associated schedule for standards and rulemaking notices, and any revisions effected by or reflected in today's notice. Source categories and/or schedules for standards in Table 1 that are revised from the previous listing notices are marked (i.e., as revisions "as of Today") for ease in discerning where revisions have been made.

The following sections describe the actions that are being effected by or reflected in this notice that are new since the

June 4, 1996 publication.

A. Addition of Categories of Sources

The Administrator is obligated to list any category of major sources. Section 112(a) defines "major" source as any stationary source or group of stationary sources, emitting or having the potential to emit, considering controls, 10 tons per year of one HAP or 25 tons per year of two or more HAP.

Today's notice reflects the February 6, 1998 listing (63 FR 6288) of a new category of major sources, Natural Gas Transmission and Storage. This new source category is a result of dividing the initially listed Oil and Natural Gas Production major source category into two separate major source categories. Thus, the Oil and Natural Gas Production source category remains on the list of categories, but part of its original applicability is being covered by the new Natural Gas Transmission and Storage source category. Since this new category is a subset of an originally listed major source category, it is not subject to the scheduling requirements of Section 112(c)(5); but rather, is subject to the November 15, 1997 deadline originally set for the Oil and Natural Gas Production source category. The reader is referred to the above cited FEDERAL REGISTER notice for more information concerning the proposed rule applicability of these two source categories.

An "area" source is a stationary source of HAP that is not a

major source. The Agency may list and regulate categories of area sources pursuant to a number of authorities in Section 112. The authorities are all discretionary and/or require some sort of finding or determination by the Administrator. The Agency believes that any such area source listing action should therefore be subject to public comment and is consequently not being taken in today's notice.

However, the February 6, 1998 action described above, which divides the "Oil and Natural Gas Production" category into two major source categories, also proposed to add two area source categories to the list as part of that regulatory action. Since final action has not yet been taken on the proposal to list these two area source categories, the list of categories in today's notice does not reflect the addition of these two source categories. If final action is taken to add these area source categories to the list, that action will be reflected in future consolidated list publications.

The reader is also referred to a June 20, 1997 notice (62 FR 33625) that proposes the listing of three source categories, pursuant to the requirements of Section 112(c)(6). Once listed, these source categories will be subject to emission standards under Section 112(d)(2) and (4) of the Act.

B. Delineation of Standard Applicability and Affected Sources through Standard Promulgation

Emission standards have been promulgated under Section 112 for several source categories since the source category list and schedule were last published. Table 1 identifies the FEDERAL REGISTER cite for each of these notices. These actions are cited in today's notice because they revise the list in that they delineate rule applicability by defining the affected sources within the listed category.

C. Proposed Delineation of Standard Applicability and Affected Sources through Standard Proposal

Emission standards have been proposed under Section 112 for several source categories since the source category list and schedule were last published. These actions are cited in today's notice as they propose to revise the list by delineating rule applicability by defining the affected sources within the listed category. The reader is referred to Table 1 to obtain the FEDERAL REGISTER citations for these categories of sources.

D. Subsumption of Listed Source Categories into Other Listed Source Categories

Today's notice specifies one action involving subsumption of two previously listed source categories into a single source category. The Hydrogen Cyanide Production and Sodium Cyanide Production source categories will be combined into a new major source category, called Cyanide Chemicals Manufacturing. Since facilities produce sodium cyanide and hydrogen cyanide in the

same process train (i.e., using the same or linked equipment), it is more sensible to have facilities subject to only one rule rather than two separate rules for different parts of their process. As a result, two source categories are aggregated into one category without compromising the intent of the original source category listing notice.

The reader is also referred to a November 7, 1996 notice (61 FR 57602) to learn about an anticipated listing action involving the subsumption of a number of source categories into one source category, called the Miscellaneous Organic Chemical Processes source category. Each of the anticipated subsumed categories are scheduled for standards promulgation no later than November 15, 2000; thus, the new source category would be also scheduled for that regulatory timeframe.

The reader is also referred to a November 10, 1997 notice (62 FR 60566) which proposes subsumption of the eleven categories listed in the Agricultural Chemicals Industry Group into one combined source category, Pesticides Active Ingredients Production. The Pesticides Active Ingredient source category is scheduled for standards promulgation by November 15, 1997.

E. Deletion of Categories of Sources

The Administrator may delete categories of sources on the Administrator's own motion or on petition. One source category - - Nylon 6 Production -- which was previously determined to be a

major source category is being deleted from the list on the Administrator's own motion in today's notice. A second category -- Cyanuric Chloride Production -- is being deleted on the Administrator's own motion because no major source produces cyanuric chloride as a product. Today's notice contains no deletions of categories as a result of petition.

The reason for deleting Nylon 6 Production is that available data indicate that the category contains no major sources. Specifically, the only pollutant which has ever been considered a HAP that is emitted by the Nylon 6 production process is caprolactam. On June 18, 1996 (61 FR 30816), the Agency removed caprolactam from the Section 112(b)(1) list of HAP. Consequently, this category emits no HAP and is therefore removed from the list of source categories.

The reason Cyanuric Chloride Production is being deleted is that the EPA has determined that cyanuric chloride is an unstable intermediate product and as such does not exist as a production category. Therefore, it was erroneously included on the initial list of source categories.

This section does not include categories of sources which are being deleted from the list by way of subsumption into other listed categories. See Section II.D of this notice for information on these categories.

In the near future EPA expects to publish a notice announcing its intent to regulate certain solid waste

incineration units under Section 129 of the Act rather than Section 112. Currently, the Section 112 source category list includes some solid waste incineration units. The source category list and schedule will be updated following finalization of any such change. Sources expressly excluded from regulation under Section 129(g)(1) will remain on the Section 112 list.

F. Moving Standards Promulgation Deadlines for Source Categories

The Agency may revise the regulatory schedule for standards associated with a listed source category, heeding the limitations in Section 112. As was stated in the notice issuing the schedule for standards (58 FR 63941; December 3, 1993), "...as new information comes available, the EPA may identify changes to the schedule that would facilitate greater achievement of the prioritizing criteria of section 112(e)."

The December 3, 1993 notice scheduled the initially listed source categories for regulation such that exactly 50 percent (87 out of 174) were scheduled by November 15, 1997. Consequently, in order to continue to satisfy the numerical and temporal requirements of Section 112(e)(1), any change to occur that would delay the deadline for a source category scheduled for regulation by November 15, 1997 must be offset by a corresponding shifting of a source category from the November 15, 2000 regulatory timeframe forward to the November 15, 1997 timeframe.

Today's notice effects three actions (affecting seven source

categories) whereby circumstances support a change to the schedule for standards.

1. Reinforced Plastic Composites Production and Phosphate Fertilizers Production

Reinforced Plastic Composites Production is delayed from November 15, 1997 to November 15, 2000, following the determination that its regulatory development should be conducted in parallel with that of the Boat Manufacturing source category, which is scheduled for standards promulgation by November 15, 2000. Correspondingly, the regulatory schedule for the Phosphate Fertilizers Production is moved up in time, from November 15, 2000 to November 15, 1997.

The change of schedule for Reinforced Plastic Composites Production will promote consistency with the development of the Boat Manufacturing NESHAP. The applicability and recordkeeping/reporting requirements for these standards needs to be coordinated due to an overlap in the coverage of the source categories. In addition, moving back the Reinforced Plastic Composites Production regulatory timeframe allows the EPA the time it needs to carry out additional data gathering to develop the rule. Specifically, the EPA is planning a source test program to provide data needed for one of the subcategories of Reinforced Plastic Composites Production.

Because the standard for the Phosphate Fertilizers Production Category is already proposed (61 FR 68430), it will be

far ahead of its initial regulatory deadline and therefore can be used in place of the Reinforced Plastic Composites Production category in order to meet the statutory requirement of completion of 50 percent of the initially listed source categories by November 15, 1997.

2. Chlorine Production and Phosphoric Acid Manufacturing

This notice also announces the change of schedules for the source categories of Chlorine Production and Phosphoric Acid Manufacturing. The schedule for Chlorine Production, which was included in the initial source category schedule in December 1993, is being changed from November 15, 1997 to November 15, 2000. The schedule for Phosphoric Acid Manufacturing, published in that same notice (58 FR 63941; December 3, 1993), is being changed from November 15, 2000 to November 15, 1997.

Moving Chlorine Production to the 10-year bin would allow the EPA the time it needs to carry out additional data gathering to develop the proposal. Specifically, the Chlorine Institute and its US based mercury cell chlor-alkali producers are voluntarily committed to attaining a 50 percent reduction in the deliberate use and release of mercury from US based chlor-alkali facilities by the year 2005. Given the timing of these future actions, the Agency has determined that moving Chlorine Production into the 10-year bin is prudent to avoid requirements that are incompatible with the voluntary reductions.

Because the standard for the Phosphoric Acid Manufacturing

category has already been proposed, it will be far ahead of its 2000 deadline and therefore can be used to meet the statutory requirement to complete regulation of half the original source category list in 7 years.

3. Cyanide Chemicals Manufacturing, Marine Vessel Loading Operations, and Secondary Lead Smelting (area source category)

This notice also announces a change of schedule for the newly designated Cyanide Chemicals Manufacturing category and the Secondary Lead Smelting area source category and the Marine Vessel Loading Operations category. As noted above, the Hydrogen Cyanide Production category and the Sodium Cyanide Production category (which have now been combined into the Cyanide Chemicals Manufacturing category) were scheduled for regulation by November 15, 1997. The Secondary Lead Smelting area source category and the Marine Vessel Loading Operations major source category were added after publication of the initial source category list, and therefore scheduled for regulation by November 15, 2000 pursuant to Section 112(c)(5) of the Act. Moving forward the regulatory deadlines for these two regulated categories in exchange for the Cyanide Chemicals Manufacturing category constitutes an equal trade of two categories previously scheduled for November 1997 with two categories previously scheduled for November 2000. Consequently, the requirement to regulate 50 percent of the initially listed categories by November 15, 1997 is preserved.

G. Descriptions of Categories of Sources

For general descriptions of source categories listed in Table 1, the reader is referred to Docket No. A-90-49, Item No. IV-A-55 (EPA-450/3-91-030, entitled "Documentation for Developing the Initial Source Category List"), and the FEDERAL REGISTER notice for the first revision of the source category list and schedule (61 FR 28197; June 4, 1996). For subsequent changes to descriptions of source categories for which a rule has been promulgated, the reader is advised to consult Table 1 for the citation of the FEDERAL REGISTER notice which will include the amended definition and corresponding rule applicability.

III. Administrative Requirements

A. Docket

The docket for this regulatory action is A-90-49. The docket is an organized and complete file of all the information submitted to or otherwise considered by the Agency in the development of this revised list of categories of sources and revised schedule for standards. The principal purpose of this docket is to allow interested parties to identify and locate documents that serve as a record of the process engaged in by the Agency to publish today's revision to the initial list and schedule. The docket is available for public inspection at the EPA's Air and Radiation Docket and Information Center, which is listed in the ADDRESSES section of this notice.

B. *Regulatory Requirements*

1. General

Today's notice is not a rule; it is essentially an information sharing activity which does not impose regulatory requirements or costs. Therefore, the EPA has not prepared an assessment of the potential costs and benefits pursuant to Executive Order 12866, nor an economic impact analysis pursuant to Section 317, nor a regulatory flexibility analysis pursuant to the Regulatory Flexibility Act (Pub. L. 96-354, September 19, 1980), nor a budgetary impact statement pursuant to the Unfunded Mandates Act of 1995. Also, this notice does not contain any information collection requirements and, therefore, is not subject to the Paperwork Reduction Act, 44 U.S.C. 3501 *et seq.*

2. Executive Order 12866 and Office of Management and Budget (OMB) Review

Under Executive Order 12866 (58 FR 51735; October 4, 1993), the Agency must determine whether a regulatory action is "significant" and therefore subject to OMB review and the requirements of the Executive Order. The Order defines "significant" regulatory action as one that is likely to lead to a rule that may either (1) have an annual effect on the economy of \$100 million or more, or adversely and materially affect a sector of the economy, productivity, competition, jobs, the environment, public health or safety, or State, local or tribal

governments or communities; (2) create a serious inconsistency or otherwise interfere with an action taken or planned by another agency; (3) materially alter the budgetary impact of entitlements, grants, user fees, or loan programs or the rights and obligations of recipients thereof; or (4) raise novel legal or policy issues arising out of legal mandates, the President's priorities, or the principles set forth in the Executive Order.

Pursuant to the terms of Executive Order 12866, it has been decided that this is a "significant regulatory action" within the meaning of the Executive Order. For this reason, this action underwent review by the OMB.

Dated: _____

Signed: _____
Assistant Administrator
for Air and Radiation

TABLE 1. CATEGORIES OF SOURCES OF HAZARDOUS AIR POLLUTANTS
AND REGULATION PROMULGATION SCHEDULE BY INDUSTRY GROUP

(Revision date: [insert date of publication of this notice])

<u>INDUSTRY GROUP</u> Source Category ^a	Promulgation Date/ <u>FEDERAL</u> <u>REGISTER</u> Citation ^b
<u>FUEL COMBUSTION</u>	
Engine Test Facilities	11/15/2000
Industrial Boilers ^c	11/15/2000
Institutional/Commercial Boilers ^c	11/15/2000
Process Heaters	11/15/2000
Stationary Internal Combustion Engines ^c	11/15/2000
Stationary Turbines ^c	11/15/2000
<u>NON-FERROUS METALS PROCESSING</u>	
Lead Acid Battery Manufacturing	Deleted 61FR28197
Primary Aluminum Production	11/15/1997 62FR52383(F)
Primary Copper Smelting	11/15/1997
Primary Lead Smelting	11/15/1997
Primary Magnesium Refining	11/15/2000
Secondary Aluminum Production	11/15/1997
Secondary Lead Smelting	11/15/1994 60FR32587(F) 60FR64002(a) 61FR27785(A) 61FR65334(A) 62FR32209(A) 62FR32266(a)
<u>FERROUS METALS PROCESSING</u>	
Coke By-Product Plants	11/15/2000
Coke Ovens: Charging, Top Side, and Door Leaks	12/31/1992 58FR57898(F) 59FR01922(C)

Coke Ovens: Pushing, Quenching, and Battery Stacks	11/15/2000
Ferroalloys Production	11/15/1997
Integrated Iron and Steel Manufacturing	11/15/2000
Iron Foundries	11/15/2000
Non-Stainless Steel Manufacturing - Electric Arc Furnace (EAF) Operation	Deleted 61FR28197
Stainless Steel Manufacturing - Electric Arc Furnace (EAF) Operation	Deleted 61FR28197
Steel Foundries	11/15/2000
Steel Pickling - HCl Process	11/15/1997 62FR49052(P)
<u>MINERAL PRODUCTS PROCESSING</u>	
Alumina Processing	11/15/2000
Asphalt Concrete Manufacturing	11/15/2000
Asphalt Processing	11/15/2000
Asphalt Roofing Manufacturing	11/15/2000
Asphalt/Coal Tar Application - Metal Pipes	11/15/2000
Chromium Refractories Production	11/15/2000
Clay Products Manufacturing	11/15/2000
Lime Manufacturing	11/15/2000
Mineral Wool Production	11/15/1997 62FR25370(P)
Portland Cement Manufacturing	11/15/1997
Taconite Iron Ore Processing	11/15/2000
Wool Fiberglass Manufacturing	11/15/1997 62FR15228(P)
<u>PETROLEUM AND NATURAL GAS PRODUCTION AND REFINING</u>	
Oil and Natural Gas Production	11/15/1997 63FR06288(P)
Natural Gas Transmission and Storage	11/15/1997 63FR06288(P)

Petroleum Refineries - Catalytic Cracking (Fluid and other) Units, Catalytic Reforming Units, and Sulfur Plant Units	11/15/1997
Petroleum Refineries - Other Sources Not Distinctly Listed	11/15/1994 60FR43244(F) 61FR07051(C) 61FR29876(C) 62FR07937(A) 62FR07977(a)

LIQUIDS DISTRIBUTION

Gasoline Distribution (Stage 1)	11/15/1994 59FR64303(F) 60FR07627(C) 60FR32912(C) 60FR43244(A) 60FR56133(a) 60FR57628(C) 60FR62991(S) 61FR07718(A) 62FR09087(A) 62FR09140(a)
Marine Vessel Loading Operations	11/15/1997 60FR48399(F)
Organic Liquids Distribution (Non-Gasoline)	11/15/2000

SURFACE COATING PROCESSES

Aerospace Industries	11/15/1994 60FR45948(F) 61FR04902(C) 61FR55842(a) 61FR66226(C)
Auto and Light Duty Truck (Surface Coating)	11/15/2000
Flat Wood Paneling (Surface Coating)	11/15/2000
Large Appliance (Surface Coating)	11/15/2000
Magnetic Tapes (Surface Coating)	11/15/1994 59FR64580(F)
Manufacture of Paints, Coatings, and Adhesives	11/15/2000
Metal Can (Surface Coating)	11/15/2000
Metal Coil (Surface Coating)	11/15/2000
Metal Furniture (Surface Coating)	11/15/2000

Miscellaneous Metal Parts and Products (Surface Coating)	11/15/2000
Paper and Other Webs (Surface Coating)	11/15/2000
Plastic Parts and Products (Surface Coating)	11/15/2000
Printing, Coating, and Dyeing of Fabrics	11/15/2000
Printing/Publishing (Surface Coating)	11/15/1994 61FR27132(F)
Shipbuilding and Ship Repair (Surface Coating)	11/15/1994 60FR64330(F) 61FR30814(A) 61FR30846(a) 61FR66226(C)
Wood Furniture (Surface Coating)	11/15/1994 60FR62930(F) 62FR30257(C) 62FR31361(A) 62FR31405(a)
<u>WASTE TREATMENT AND DISPOSAL</u>	
Hazardous Waste Incineration	11/15/2000
Municipal Landfills	11/15/2000
Off-Site Waste and Recovery Operations	11/15/1994 61FR34141(F)
Publicly Owned Treatment Works (POTW) Emissions ^d	11/15/95
Sewage Sludge Incineration	11/15/2000
Site Remediation	11/15/2000
Solid Waste Treatment, Storage and Disposal Facilities (TSDF)	Renamed 59FR51913
<u>AGRICULTURAL CHEMICALS PRODUCTION</u>	
4-Chloro-2-Methylphenoxyacetic Acid Production	11/15/1997 62FR60566(P)
2,4-D Salts and Esters Production	11/15/1997 62FR60566(P)
4,6-Dinitro-o-Cresol Production	11/15/1997 62FR60566(P)
Butadiene-Furfural Cotrimer (R-11) Production ^e	11/15/2000 62FR60566(P)

Captafol Production ^e	11/15/1997 62FR60566(P)
Captan Production ^e	11/15/1997 62FR60566(P)
Chloroneb Production	11/15/1997 62FR60566(P)
Chlorothalonil Production ^e	11/15/1997 62FR60566(P)
Dacthal (tm) Production ^e	11/15/1997 62FR60566(P)
Sodium Pentachlorophenate Production	11/15/1997 62FR60566(P)
Tordon (tm) Acid Production ^e	11/15/1997 62FR60566(P)
<u>FIBERS PRODUCTION PROCESSES</u>	
Acrylic Fibers/Modacrylic Fibers Production	11/15/1997
Rayon Production	11/15/2000
Spandex Production	11/15/2000
<u>FOOD AND AGRICULTURE PROCESSES</u>	
Baker's Yeast Manufacturing	11/15/2000
Cellulose Food Casing Manufacturing	11/15/2000
Vegetable Oil Production	11/15/2000
<u>PHARMACEUTICAL PRODUCTION PROCESSES</u>	
Pharmaceuticals Production ^e	11/15/1997 62FR15754(P)
<u>POLYMERS AND RESINS PRODUCTION</u>	
Acetal Resins Production	11/15/1997
Acrylonitrile-Butadiene-Styrene Production	11/15/1994 61FR48208(F) 61FR54342(C) 61FR59849(N) 62FR01835(A) 62FR01869(a) 62FR37720(A)
Alkyd Resins Production	11/15/2000
Amino Resins Production	11/15/1997

Boat Manufacturing	11/15/2000
Butadiene Furfural Cotrimer (R-11) Production	Moved 61FR28197
Butyl Rubber Production	11/15/1994 61FR46906(F) 61FR59849(N) 62FR01835(A) 62FR01869(a) 62FR12546(N) 62FR37720(A)
Carboxymethylcellulose Production	11/15/2000
Cellophane Production	11/15/2000
Cellulose Ethers Production	11/15/2000
Epichlorohydrin Elastomers Production	11/15/1994 61FR46906(F) 61FR59849(N) 62FR01835(A) 62FR01869(a) 62FR12546(N) 62FR37720(A)
Epoxy Resins Production	11/15/1994 60FR12670(F)
Ethylene-Propylene Rubber Production	11/15/1994 61FR46906(F) 61FR59849(N) 62FR01835(A) 62FR01869(a) 62FR12546(N) 62FR37720(A)
Flexible Polyurethane Foam Production	11/15/1997 61FR68406(P) 62FR05074(C)
Hypalon (tm) Production ^e	11/15/1994 61FR46906(F) 61FR59849(N) 62FR01835(A) 62FR01869(a) 62FR12546(N) 62FR37720(A)
Maleic Anhydride Copolymers Production	11/15/2000
Methylcellulose Production	11/15/2000

Methyl Methacrylate-Acrylonitrile-Butadiene- Styrene Production ^e	11/15/1994 61FR48208(F) 61FR54342(C) 61FR59849(N) 62FR01835(A) 62FR01869(a) 62FR37720(A)
Methyl Methacrylate-Butadiene-Styrene Terpolymers Production ^e	11/15/1994 61FR48208(F) 61FR54342(C) 61FR59849(N) 62FR01835(A) 62FR01869(a) 62FR37720(A)
Neoprene Production	11/15/1994 61FR46906(F) 61FR59849(N) 62FR01835(A) 62FR01869(a) 62FR12546(N) 62FR37720(A)
Nitrile Butadiene Rubber Production	11/15/1994 61FR46906(F) 61FR59849(N) 62FR01835(A) 62FR01869(a) 62FR12546(N) 62FR37720(A)
Nitrile Resins Production	11/15/2000 61FR48208(F) 61FR54342(C) 61FR59849(N) 62FR01835(A) 62FR01869(a) 62FR37720(A)
Non-Nylon Polyamides Production	11/15/1994 60FR12670(F)
Nylon 6 Production	Deleted as of Today
Phenolic Resins Production	11/15/1997

Polybutadiene Rubber Production ^e	11/15/1994 61FR46906(F) 61FR59849(N) 62FR01835(A) 62FR01869(a) 62FR12546(N) 62FR37720(A)
Polycarbonates Production ^e	11/15/1997
Polyester Resins Production	11/15/2000
Polyether Polyols Production	11/15/1997 62FR46804(P) 62FR54410(C) 62FR60674(R)
Polyethylene Terephthalate Production	11/15/1994 61FR48208(F) 61FR54342(C) 61FR59849(N) 62FR01835(A) 62FR01869(a) 62FR30993(A) 62FR31038(a) 62FR37720(A)
Polymerized Vinylidene Chloride Production	11/15/2000
Polymethyl Methacrylate Resins Production	11/15/2000
Polystyrene Production	11/15/1994 61FR48208(F) 61FR54342(C) 61FR59849(N) 62FR01835(A) 62FR01869(a) 62FR37720(A)
Polysulfide Rubber Production ^e	11/15/1994 61FR46906(F) 61FR59849(N) 62FR01835(A) 62FR01869(a) 62FR12546(N) 62FR37720(A)
Polyvinyl Acetate Emulsions Production	11/15/2000
Polyvinyl Alcohol Production	11/15/2000
Polyvinyl Butyral Production	11/15/2000

Polyvinyl Chloride and Copolymers Production	11/15/2000
Reinforced Plastic Composites Production	11/15/2000
Styrene-Acrylonitrile Production	11/15/1994 61FR48208(F) 61FR54342(C) 61FR59849(N) 62FR01835(A) 62FR01869(a) 62FR37720(A)
Styrene-Butadiene Rubber and Latex Production ^e	11/15/1994 61FR46906(F) 61FR59849(N) 62FR01835(A) 62FR01869(a) 62FR12546(N) 62FR37720(A)

PRODUCTION OF INORGANIC CHEMICALS

Ammonium Sulfate Production - Caprolactam By-Product Plants	11/15/2000
Antimony Oxides Manufacturing	11/15/2000
Carbon Black Production	11/15/2000
Chlorine Production ^e	11/15/2000
Chromium Chemicals Manufacturing	Deleted 61FR28197
Cyanide Chemicals Manufacturing	11/15/2000
Cyanuric Chloride Production	Deleted as of Today
Fume Silica Production	11/15/2000
Hydrochloric Acid Production	11/15/2000
Hydrogen Cyanide Production	Subsumed as of Today
Hydrogen Fluoride Production	11/15/2000
Phosphate Fertilizers Production	11/15/1997 61FR68430(P)
Phosphoric Acid Manufacturing	11/15/1997 61FR68430(P)
Quaternary Ammonium Compounds Production	Moved 61FR28197

Sodium Cyanide Production	Subsumed as of Today
Uranium Hexafluoride Production	11/15/2000
<u>PRODUCTION OF ORGANIC CHEMICALS</u>	
Ethylene Processes	11/15/2000
Quaternary Ammonium Compounds Production	11/15/2000
Synthetic Organic Chemical Manufacturing	11/15/1992 59FR19402(F) 59FR29196(A) 59FR32339(N) 59FR48175(C) 59FR53359(S) 59FR53392(a) 59FR54131(S) 59FR54154(a) 60FR05320(A) 60FR18020(A) 60FR18026(A) 60FR18071(a) 60FR18078(a) 60FR63624(C) 61FR31435(A) 61FR07716(A) 61FR07761(a) 61FR43544(N) 61FR43698(a) 61FR64572(A) 62FR02722(A) 62FR44608(a) 62FR44614(a)
<u>MISCELLANEOUS PROCESSES</u>	
Aerosol Can-Filling Facilities	11/15/2000
Benzyltrimethylammonium Chloride Production	11/15/2000
Butadiene Dimers Production	Renamed 61FR28197
Carbonyl Sulfide Production	11/15/2000
Chelating Agents Production	11/15/2000
Chlorinated Paraffins Production ^e	11/15/2000

Chromic Acid Anodizing	11/15/1994 60FR04948(F) 60FR27598(C) 60FR33122(C) 60FR64002(a) 61FR27785(A) 61FR04463(A) 62FR42918(A)
Commercial Dry Cleaning (Perchloroethylene) - Transfer Machines	11/15/1992 58FR49354(F) 58FR66287(A) 60FR64002(A) 61FR27785(A) 61FR49263(A)
Commercial Sterilization Facilities	11/15/1994 59FR62585(F) 60FR64002(a) 61FR27785(A)
Decorative Chromium Electroplating	11/15/1994 60FR04948(F) 60FR27598(C) 60FR33122(C) 60FR64002(a) 61FR27785(A) 61FR04463(A) 62FR42918(A)
Dodecanedioic Acid Production	Subsumed 59FR19402
Dry Cleaning (Petroleum Solvent)	11/15/2000
Ethylidene Norbornene Production ^e	11/15/2000
Explosives Production	11/15/2000
Flexible Polyurethane Foam Fabrication Operations	11/15/2000
Friction Products Manufacturing	11/15/2000
Halogenated Solvent Cleaners	11/15/1994 59FR61801(F) 59FR67750(C) 60FR29484(C)

Hard Chromium Electroplating	11/15/1994 60FR04948(F) 60FR27598(C) 60FR33122(C) 60FR64002(a) 61FR27785(A) 61FR04463(A) 62FR42918(A)
Hydrazine Production	11/15/2000
Industrial Cleaning (Perchloroethylene) - Dry-to-dry machines	11/15/1992 58FR49354(F) 58FR66287(A) 60FR64002(A) 61FR27785(A) 61FR49263(A)
Industrial Dry Cleaning (Perchloroethylene) - Transfer Machines	11/15/1992 58FR49354(F) 58FR66287(A) 60FR64002(A) 61FR27785(A) 61FR49263(A)
Industrial Process Cooling Towers	11/15/1994 59FR46339(F)
Leather Tanning and Finishing Operations	11/15/2000
OBPA/1,3-Diisocyanate Production ^e	11/15/2000
Paint Stripper Users	11/15/2000
Photographic Chemicals Production	11/15/2000
Phthalate Plasticizers Production	11/15/2000
Plywood/Particle Board Manufacturing	11/15/2000
Polyether Polyols Production	Moved 61FR28197
Pulp and Paper Production	11/15/1997 58FR66078(P) 59FR12567(C) 60FR09813(N) 61FR09383(P) 61FR36835(N)
Rocket Engine Test Firing	11/15/2000
Rubber Chemicals Manufacturing	11/15/2000

Semiconductor Manufacturing	11/15/2000
Symmetrical Tetrachloropyridine Production ^e	11/15/2000
Tetrahydrobenzaldehyde Production	11/15/1997
Tire Production	11/15/2000
Wood Treatment	Deleted 61FR28197

CATEGORIES OF AREA SOURCES ^f

Asbestos Processing	Deleted 60FR61550
Chromic Acid Anodizing	11/15/1994 60FR04948(F) 60FR27598(C) 60FR33122(C) 60FR64002(a) 61FR27785(A) 61FR04463(A) 62FR42918(A)
Commercial Dry Cleaning (Perchloroethylene) - Dry-to-Dry Machines	11/15/1992 58FR49354(F) 58FR66287(A) 60FR64002(A) 61FR27785(A) 61FR49263(A)
Commercial Dry Cleaning (Perchloroethylene) - Transfer Machines	11/15/1992 58FR49354(F) 58FR66287(A) 60FR64002(A) 61FR27785(A) 61FR49263(A)
Commercial Sterilization Facilities	11/15/1994 59FR62585(F) 60FR64002(a) 61FR27785(A)
Decorative Chromium Electroplating	11/15/1994 60FR04948(F) 60FR27598(C) 60FR33122(C) 60FR64002(a) 61FR27785(A) 61FR04463(A) 62FR42918(A)

Halogenated Solvent Cleaners	11/15/1994 59FR61801(F) 59FR67750(C) 60FR29484(C)
Hard Chromium Electroplating	11/15/1994 60FR04948(F) 60FR27598(C) 60FR33122(C) 60FR64002(a) 61FR27785(A) 61FR04463(A) 62FR42918(A)
Secondary Lead Smelting	11/15/1997 60FR32587(F) 60FR64002(a) 61FR27785(A) 61FR65334(A) 62FR32209(A) 62FR32266(a)

^a Only sources within any category located at a major source shall be subject to emission standards under Section 112 unless a finding is made of a threat of adverse effects to human health or the environment for the area sources in a category. All listed categories are exclusive of any specific operations or processes included under other categories that are listed separately.

^b This schedule does not establish the order in which the rules for particular source categories will be proposed or promulgated. Rather, it requires that emissions standards pursuant to Section 112(d) for a given source category be promulgated by the specified date.

The markings in the "Promulgation Date/FEDERAL REGISTER Citation" column of Table 1 denote the following:

(A): final amendment to a final rulemaking action

(a): proposed amendment to a final rulemaking action

(C): correction (or clarification) published subsequent to a proposed or final rulemaking action

(F): final rulemaking action

(N): notice to announce general information, such as an agency decision, availability of new data, administrative updates, etc.

(P): proposed rulemaking action

(R): reopening of a proposed action for public comment

(S): announcement of a stay, or partial stay, of the rule requirements

***Moved:** the source category is relocated to a more appropriate industry group*

***Subsumed:** the source category is included within the definition of another listed category and therefore is no longer listed as a separate source category*

***Renamed:** the title of this source category is changed to a more appropriate title*

***Deleted:** the source category is officially removed from the source category list*

^c Sources defined as electric utility steam generating units under Section 112(a)(8) shall not be subject to emission standards pending the findings of the study required under Section 112(n)(1).

^d The Publicly Owned Treatment Works (POTW) Emissions source category has a statutory deadline for regulatory promulgation of November 15, 1995, as established by Section 112(e)(5) of the Clean Air Act. However, for purposes of determining the 18 month period applicable to the POTW source category under Section 112(j)(2), the promulgation deadline is November 15, 1997. This latter date is consistent with the Section 112(e) schedule for the promulgation of emissions standards, as published in the FEDERAL REGISTER on December 3, 1993 (58 FR 63941).

^e Equipment handling specific chemicals for these categories or subsets of these categories are subject to a negotiated standard for equipment leaks contained in the Hazardous Organic NESHAP (HON), which was promulgated on April 22, 1994. The HON includes a negotiated standard for equipment leaks from the SOCFI category and 20 non-SOCFI categories (or subsets of these categories). The specific processes affected within the categories are listed in Section XX.X0(c) of the March 6, 1991 FEDERAL REGISTER notice (56 FR 9315).

^f A finding of threat of adverse effects to human health or the environment was made for each category of area sources listed.