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Environmental Protection Technology Series

SOURCE ASSESSMENT: OVERVIEW MATRIX FOR NATIONAL CRITERIA POLLUTANT EMISSIONS

Industrial Environmental Research Laboratory
Office of Research and Development
U.S. Environmental Protection Agency
Research Triangle Park, North Carolina 27711

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SOURCE ASSESSMENT: OVERVIEW MATRIX FOR NATIONAL CRITERIA POLLUTANT EMISSIONS

by

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PREFACE

The Industrial Environmental Research Laboratory (IERL) of EPA has the responsibility for insuring that pollution control technology is available for stationary sources to meet the requirements of the Clean Air Act, the Federal Water Pollution Control Act and solid waste legislation. If control technology is unavailable, inadequate, uneconomical or socially unacceptable, then financial support is provided for the development of the needed control techniques for industrial and extractive process industries. The Chemical Processes Branch of the Industrial Processes Division of IERL has the responsibility for investing tax dollars in programs to develop control technology for a large number (>500) of operations in the chemical industries.

Monsanto Research Corporation (MRC) has contracted with EPA to investigate the environmental impact of various industries which represent sources of pollution in accordance with EPA's responsibility as outlined above. Dr. Robert C. Binning serves as MRC Program Manager in this overall program entitled, "Source Assessment," which includes the investigation of sources in each of four categories: combustion, organic materials, inorganic materials, and open sources. Dr. Dale A. Denny of the Industrial Processes Division at Research Triangle Park serves as EPA Project Officer. Reports prepared in this program are of three types: Source Assessment Documents, State-of-the-Art Reports, and Special Project Reports.

Source Assessment Documents contain data on emissions from specific industries. Such data are gathered from the literature, government agencies and cooperating companies. Sampling and analysis are also performed by the contractor when the available information does not adequately characterize the source emissions. These documents contain all of the information necessary for IERL to decide whether a need exists to develop additional control technology for specific industries.

State-of-the-Art Reports include data on emissions from specific industries which are also gathered from the literature, government agencies and cooperating companies. However, no extensive sampling is conducted by the contractor for such industries. Sources in this category are considered by EPA to be of insufficient priority to warrant complete assessment for control technology decision making. Therefore, results from such studies

are published as State-of-the-Art Reports for potential utility by the government, industry, and others having specific needs and interests.

Special projects provide specific information or services which are applicable to a number of source types or have special utility to EPA but are not part of a particular source assessment study. This special project report, "Source Assessment: Overview Matrix for National Criteria Pollutant Emissions," was prepared to provide an alphabetical listing of stationary sources that emit criteria pollutants.

ABSTRACT

This report provides an overview matrix or alphabetical listing of stationary sources that emit criteria pollutants. The matrix shows the relative importance of source types in terms of their effect on the total national emissions burden and overall ambient air quality. A source type is defined as a group of emission sources which have the same process and emission characteristics.

The overview matrix was prepared using a computerized data base established for emissions of air pollutants from approximately 600 stationary source types in the combustion, organic materials, inorganic materials, and open source categories. Emissions included in the data base consist of criteria pollutants (i.e., particulates, sulfur dioxide, nitrogen oxides, hydrocarbons, and carbon monoxide) and noncriteria pollutants (such as trace metals and polycyclic organic matter). The data base is updated continuously to incorporate related new findings and covers a large number of source types; however, it is not an exhaustive list of all stationary emission points in the U.S.

This report was submitted in partial fulfillment of Contract 68-02-1874 by Monsanto Research Corporation under the sponsorship of the U.S. Environmental Protection Agency. The updated listing in this report is similar to those generated for internal EPA use in July 1975, July 1976, and September 1976. This report was prepared during the period May-June 1977.

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SYMBOLS

C	-- code number which identifies the source category
CO	-- carbon monoxide
HC	-- hydrocarbons
NOX	-- nitrogen oxides
PART	-- particulates
SO2	-- sulfur dioxide

SECTION I

INTRODUCTION

During the performance of the Source Assessment Program for EPA on Contract 68-02-1874, a computerized data base was established for emissions of air pollutants from approximately 600 stationary source types in the combustion, organic materials, inorganic materials, and open source categories. A source type is defined as a group of emission sources which have the same process and emission characteristics, e.g., rubber processing, beef cattle feedlots, etc. Emissions included in the data base consist of criteria pollutants (i.e., particulates, sulfur dioxide, nitrogen oxides, hydrocarbons, and carbon monoxide) and noncriteria pollutants (such as trace metals and polycyclic organic matter).

The data base is updated continuously to incorporate related new findings from the investigation of individual emission source types on this program. Although the data base covers a large number of source types, it is not an exhaustive list of all stationary emission points in the U.S. The source list was selected to cover over 90% of the emissions in those areas under the original jurisdiction of EPA's Chemical Processes Branch at IERL-RTP. In other areas, such as metallurgical processes, some additional source types were later added to the data base to provide a better coverage of national emissions. However, this coverage is by no means as complete as that for the four categories selected for intensive study.

Using the above computerized data base, this overview matrix was prepared to provide an alphabetial listing of stationary source types and their national total emissions of criteria pollutants. The matrix shows the relative importance of source types in terms of their effect on the total national emissions burden and overall ambient air quality. A detailed state-by-state listing of stationary emission sources which emit at least 1% of each state's total mass emissions of any criteria pollutant is given in a separate report entitled "Source Assessment: State-by-State Listing of Criteria Pollutant Emissions." Noncriteria pollutants are not included in this report.

The following explanatory remarks are provided for this report:

1. All emissions are expressed as 10^3 kg/yr (metric ton/yr).

2. Every computer-printed page lists criteria pollutants coded as PART (particulates), SO2 (sulfur dioxide), NOX (nitrogen oxides reported as NO_2), HC (hydrocarbons), and CO (carbon monoxide).

3. The last column, designated C, identifies the source category as follows:

Code	Category
1	Combustion Sources
2	Organic Materials Sources
3	Inorganic Materials Sources
4	Open Sources

4. The national emission totals for particulates and SO_2 were obtained from the data base for stationary sources. The totals for NO_x, CO, and hydrocarbons were obtained from the National Emissions Data System (NEDS) 1972 Emissions Report (1) which includes mobile and stationary sources. The totals have been adjusted to include New York point sources, forest wild fires, agricultural open burning, structural fires, coal refuse fires, and metallurgical processing.

5. Line one for each source type shows the annual mass of specific emissions. Line two shows the percent contribution of a particular criteria pollutant based on the total amount of that pollutant emitted from all source types (i.e., stationary sources) in the data base. Line three shows the percent contribution of a particular criteria pollutant based on the amount of that pollutant emitted from stationary and mobile sources (i.e., using particulate and SO_2 data from the data base, and NO_x, CO, and hydrocarbon data from NEDS).

6. All emissions data are rounded to four significant figures; percentages are rounded to three significant figures.

7. For source types that emit less than 100 kg of each criteria pollutant, dashes (--) are shown for all emissions.

8. Hydrocarbon totals for each source type include unnamed hydrocarbons and all named nonmethane organic materials.

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(1) National Emissions Report, 1972. EPA-450/2-74-012, U.S. Environmental Protection Agency, Research Triangle Park, North Carolina, June 1974. 422 pp.

9. Particulates are the only criteria pollutant considered in this overview matrix for open sources. When that column is blank, it indicates that no particulates are emitted.

10. The overview matrix presented in this report is based on the data base contents as of 14 June 1977.

Example:

The glass industry emits the following amounts of criteria pollutants:

Particulates:	$24,730 \times 10^3$ kg/yr
SO_2:	$26,410 \times 10^3$ kg/yr
NO_x:	$68,160 \times 10^3$ kg/yr
Hydrocarbons:	$3,289 \times 10^3$ kg/yr
Carbon monoxide:	$8,520 \times 10^3$ kg/yr

Criteria pollutants emitted by the glass industry contribute the following portions of the total amounts of such pollutants emitted from all stationary sources in the U.S. (as contained in the data base):

Particulates:	0.0187%
SO_2:	0.108%
NO_x:	0.735%
Hydrocarbons:	0.0198%
Carbon monoxide:	0.00967%

Criteria pollutants emitted by the glass industry contribute the following portions of the total amounts of such pollutants emitted from stationary and mobile sources in the U.S. (using particulate and SO_2 data from the data base, and NO_x, CO and hydrocarbon data from NEDS):

Particulates:	0.0187%
SO_2:	0.108%
NO_x:	0.305%
Hydrocarbons:	0.013%
Carbon monoxide:	0.00875%

SECTION II

OVERVIEW MATRIX FOR NATIONAL CRITERIA POLLUTANT EMISSIONS

Data from NEDS and the following reference sources are included in the data base which was used to generate the overview matrix:

Journals

Chemical Abstracts
Chemical and Engineering News
Chemical and Process Engineering
Chemical Engineering
Chemical Engineering Progress
Chemical Engineering Science
Chemical Marketing Reporter
Chemical Technology
Chemical Week
Engineering Index
Environment
Environmental Science and Technology
Hydrocarbon Processing
Industrial and Engineering Chemistry
Journal of the Air Pollution Control Association
Journal of the American Chemical Society
Journal of the Chemical Society (London)
Journal of Organic Chemistry
Journal of Physical Chemistry
Journal of the Water Pollution Control Association
Modern Physics
Oil and Gas Journal
Pollution Abstracts

Books, Manuals, Reports

Air Pollution Engineering Manual, Second Edition, J. A. Danielson, ed. Publication No. AP-40, U.S. Environmental Protection Agency, Research Triangle Park, North Carolina, May 1973. 987 pp.

Chemical Engineer's Handbook, Fifth Edition. J. H. Perry and C. H. Chilton, eds. McGraw-Hill Book Company, New York, New York, 1973.

Compilation or Air Pollutant Emission Factors. Publication No. AP-42, U.S. Environmental Protection Agency, Research Triangle Park, North Carolina, March 1975.

Pervier, J. W., R. C. Barley, et al. Survey Reports on Atmospheric Emissions from the Petrochemical Industry, Volumes I-IV. EPA-450/3-73-005a-d, U.S. Environmental Protection Agency, Research Triangle Park, North Carolina, April 1974.

Kirk-Othmer Encyclopedia of Chemical Technology, Second Edition, Volumes 1-22. John Wiley & Sons, Inc., New York, New York, 1969.

OVERVIEW MATRIX FOR AIR POLLUTION SOURCES 14 JUNE 1977

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
ABRASIVE PRODUCTS	2580.0 0.00195 0.00195	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
ABRASIVE CLEANING OF OUTDOOR STRUCTURES	8092.0 0.00613 0.00613					4
ACETALDEHYDE - HYDRATION OF ETHYLENE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	19490.0 0.11800 0.07720	0.0 0.00000 0.00000	2
ACETALDEHYDE - OXIDATION OF ETHANOL	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	327.5 0.00037 0.00034	2
ACETIC ACID	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	2980.0 0.01800 0.01180	613.5 0.00070 0.00063	2
ACETIC ANHYDRIDE	4.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	8029.0 0.04840 0.03180	14230.0 0.01610 0.01460	2
ACETIC ACID - FROM METHANOL	0.0 0.00000 0.00000	0.0 0.00000 0.00000	5.2 0.00006 0.00002	1293.0 0.00780 0.00512	0.0 0.00000 0.00000	2
ACETIC ACID - FROM BUTANE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	2936.0 0.01770 0.01160	916.1 0.00104 0.00094	2
ACETONE - FROM CUMENE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	2057.0 0.01240 0.00815	222.0 0.00025 0.00023	2
ACETONE - FROM ISOPROPANOL	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	2813.0 0.01700 0.01110	0.0 0.00000 0.00000	2
ACETONE CYANOHYDRIN	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	136.1 0.00082 0.00054	0.0 0.00000 0.00000	2
ACETYLENE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	738.2 0.00796 0.00330	351.5 0.00212 0.00139	0.0 0.00000 0.00000	2

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
ACETYL CHLORIDE	0.0	0.0	0.0	18.1	0.0	2
	0.00000	0.00000	0.00000	0.00011	0.00000	
	0.00000	0.00000	0.00000	0.00007	0.00000	
ACROLEIN	0.0	0.0	0.0	1865.0	1840.0	2
	0.00000	0.00000	0.00000	0.01120	0.00209	
	0.00000	0.00000	0.00000	0.00739	0.00189	
ACRYLONITRILE	0.0	9.3	291.9	34590.0	42090.0	2
	0.00000	0.00004	0.00315	0.20900	0.04780	
	0.00000	0.00004	0.00131	0.13700	0.04320	
ACRYLIC ACID	0.0	0.0	0.0	37620.0	5187.0	2
	0.00000	0.00000	0.00000	0.22700	0.00589	
	0.00000	0.00000	0.00000	0.14900	0.00533	
ACRYLONITRILE - BUTADIENE - STYRENE RESIN	0.0	0.0	0.0	4.7	0.0	2
	0.00000	0.00000	0.00000	0.00003	0.00000	
	0.00000	0.00000	0.00000	0.00002	0.00000	
ADIPIC ACID	533.2	0.0	3554.0	0.0	0.0	2
	0.00040	0.00000	0.03830	0.00000	0.00000	
	0.00040	0.00000	0.01590	0.00000	0.00000	
ADIPONITRILE	0.0	0.0	0.0	4715.0	0.0	2
	0.00000	0.00000	0.00000	0.02840	0.00000	
	0.00000	0.00000	0.00000	0.01870	0.00000	
AGRICULTURAL OPEN BURNING	86220.0	0.0	10140.0	101400.0	507200.0	1
	0.06530	0.00000	0.10900	0.61200	0.57600	
	0.06530	0.00000	0.04540	0.40200	0.52100	
AGRICULTURAL TILLING	5500000.0					4
	4.17000					
	4.17000					
ALCOHOL SULFATES - AMMONIUM SALT	0.4	0.9	0.0	0.0	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
ALCOHOL SULFATE - SODIUM SALT	0.7	1.7	0.0	0.0	0.0	2
	0.00000	0.00001	0.00000	0.00000	0.00000	
	0.00000	0.00001	0.00000	0.00000	0.00000	
ALCOHOL SULFATES - TRIETHANOLAMINE SALT	0.3	0.7	0.0	0.0	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
ALDRIN	0.0	0.0	0.0	10.7	0.0	2
	0.00000	0.00000	0.00000	0.00006	0.00000	
	0.00000	0.00000	0.00000	0.00004	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
ALKALI AND CHLORINE PLANT WASTES						
ALKYD RESINS	0.0	0.0	0.0	407.8	0.0	2
	0.00000	0.00000	0.00000	0.00246	0.00000	
	0.00000	0.00000	0.00000	0.00162	0.00000	
ALLYL CHLORIDE	0.0	0.0	0.0	7.1	0.0	2
	0.00000	0.00000	0.00000	0.00004	0.00000	
	0.00000	0.00000	0.00000	0.00003	0.00000	
ALLYL ALCOHOL	0.0	0.0	0.0	2.7	0.0	2
	0.00000	0.00000	0.00000	0.00002	0.00000	
	0.00000	0.00000	0.00000	0.00001	0.00000	
ALUMINUM SULFATE	1204.0	0.0	0.0	0.0	0.0	3
	0.00091	0.00000	0.00000	0.00000	0.00000	
	0.00091	0.00000	0.00000	0.00000	0.00000	
ALUMINUM CHLORIDE - ANHYDROUS	30.3	0.0	0.0	0.0	0.0	3
	0.00002	0.00000	0.00000	0.00000	0.00000	
	0.00002	0.00000	0.00000	0.00000	0.00000	
ALUMINUM HYDROXIDE	480.2	0.0	0.0	0.0	0.0	3
	0.00036	0.00000	0.00000	0.00000	0.00000	
	0.00036	0.00000	0.00000	0.00000	0.00000	
ALUMINUM FLUORIDE	--	--	--	--	--	3
ALUMINUM OXIDE - ALUMINA	56260.0	0.0	0.0	0.0	0.0	3
	0.04260	0.00000	0.00000	0.00000	0.00000	
	0.04260	0.00000	0.00000	0.00000	0.00000	
AMINO RESINS	579.1	772.2	772.2	1544.0	0.0	2
	0.00044	0.00317	0.00833	0.00931	0.00000	
	0.00044	0.00317	0.00345	0.00612	0.00000	
AMMONIA	0.0	0.0	5266.0	320600.0	10530.0	3
	0.00000	0.00000	0.05680	1.93000	0.01200	
	0.00000	0.00000	0.02360	1.27000	0.01080	
AMMONIUM NITRATE	26210.0	0.0	582.5	0.0	0.0	3
	0.01990	0.00000	0.00628	0.00000	0.00000	
	0.01990	0.00000	0.00261	0.00000	0.00000	
AMMONIUM PHOSPHATES	24140.0	0.0	0.0	0.0	0.0	3
	0.01830	0.00000	0.00000	0.00000	0.00000	
	0.01830	0.00000	0.00000	0.00000	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
AMMONIUM ACETATE	0.0	0.0	0.0	2.7	0.0	2
	0.00000	0.00000	0.00000	0.00002	0.00000	
	0.00000	0.00000	0.00000	0.00001	0.00000	
AMMONIUM BENZOATE	0.0	0.0	0.0	0.0	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
AMMONIUM CITRATE	0.0	0.0	0.0	0.5	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
AMMONIUM FORMATE	0.0	0.0	0.0	0.4	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
AMMONIUM GLUTONATE	0.0	0.0	0.0	0.1	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
AMMONIUM OXALATE	0.0	0.0	0.0	0.5	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
AMMONIUM TARTRATE	0.0	0.0	0.0	0.2	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
AMMONIUM THIOCYANATE	0.0	0.0	0.0	0.3	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
AMMONIUM SULFATE	10960.0	0.0	0.0	0.0	0.0	3
	0.00830	0.00000	0.00000	0.00000	0.00000	
	0.00830	0.00000	0.00000	0.00000	0.00000	
AMYL ACETATE	0.0	0.0	0.0	0.5	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
ANILINE	0.0	0.0	0.0	97.9	0.0	2
	0.00000	0.00000	0.00000	0.00059	0.00000	
	0.00000	0.00000	0.00000	0.00039	0.00000	
ANTHELMINTICS	0.0	0.0	0.0	8.8	0.0	2
	0.00000	0.00000	0.00000	0.00005	0.00000	
	0.00000	0.00000	0.00000	0.00003	0.00000	
ANTIMONY OXIDE	0.8	0.0	0.0	0.0	0.0	3
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
ARSENIC TRIOXIDE	9.1	0.0	0.0	0.0	0.0	3
	0.00001	0.00000	0.00000	0.00000	0.00000	
	0.00001	0.00000	0.00000	0.00000	0.00000	
ARTIFICIAL RIPENING OF FRUITS AND VEGETABLES	0.0	0.0	0.0	544.3	0.0	2
	0.00000	0.00000	0.00000	0.00328	0.00000	
	0.00000	0.00000	0.00000	0.00216	0.00000	
ASBESTOS PRODUCTS	486.1	0.0	0.0	0.0	0.0	3
	0.00037	0.00000	0.00000	0.00000	0.00000	
	0.00037	0.00000	0.00000	0.00000	0.00000	
ASBESTOS PROCESSING AREA	31.5					4
	0.00002					
	0.00002					
ASCORBIC ACID - VITAMIN C	0.0	0.0	0.0	10.5	0.0	2
	0.00000	0.00000	0.00000	0.00006	0.00000	
	0.00000	0.00000	0.00000	0.00004	0.00000	
ASPHALT ROOFING	23110.0	0.0	0.0	6410.0	3837.0	2
	0.01750	0.00000	0.00000	0.03870	0.00435	
	0.01750	0.00000	0.00000	0.02540	0.00394	
ASPHALT PAVING - HOT MIX	47900.0	10220.0	5748.0	6072.0	6067.0	2
	0.03630	0.04200	0.06200	0.03660	0.00688	
	0.03630	0.04200	0.02570	0.02410	0.00623	
ASPHALT PAVING - DRYER DRUM PROCESS	1361.0	290.3	163.3	254.1	172.4	2
	0.00103	0.00119	0.00176	0.00153	0.00020	
	0.00103	0.00119	0.00073	0.00101	0.00018	
ASPIRIN	0.0	0.0	0.0	29.5	0.0	2
	0.00000	0.00000	0.00000	0.00018	0.00000	
	0.00000	0.00000	0.00000	0.00012	0.00000	
ATRAZINE	0.0	0.0	0.0	61.2	0.0	2
	0.00000	0.00000	0.00000	0.00037	0.00000	
	0.00000	0.00000	0.00000	0.00024	0.00000	
AUTOBODY INCINERATION	260.4	0.0	13.0	65.1	325.5	1
	0.00020	0.00000	0.00014	0.00039	0.00037	
	0.00020	0.00000	0.00006	0.00026	0.00033	
BARITE MILLING	3667.0					4
	0.00278					
	0.00278					
BARITE TRANSPORT	15.0					4
	0.00001					
	0.00001					

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
BARITE STORAGE	22.4					4
	0.00002					
	0.00002					
BARIUM SULFATE - PIGMENT	4.5	4927.0	0.0	0.0	0.0	3
	0.00000	0.02020	0.00000	0.00000	0.00000	
	0.00000	0.02020	0.00000	0.00000	0.00000	
BARIUM CARBONATE	4.3	20320.0	0.0	0.0	0.0	3
	0.00000	0.08340	0.00000	0.00000	0.00000	
	0.00000	0.08340	0.00000	0.00000	0.00000	
BEEF CATTLE FEEDLOTS	118300.0					4
	0.08960					
	0.08960					
BENZENE	0.0	0.0	10770.0	5126.0	0.0	2
	0.00000	0.00000	0.11600	0.03090	0.00000	
	0.00000	0.00000	0.04820	0.02030	0.00000	
BENZOIC ACID	0.0	0.0	0.0	210.7	0.0	2
	0.00000	0.00000	0.00000	0.00127	0.00000	
	0.00000	0.00000	0.00000	0.00083	0.00000	
BENZONITRILE	0.0	0.0	0.0	0.3	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
BENZOYL CHLORIDE	0.0	1.4	0.0	0.0	0.0	2
	0.00000	0.00001	0.00000	0.00000	0.00000	
	0.00000	0.00001	0.00000	0.00000	0.00000	
BENZYL CHLORIDE	0.0	0.0	0.0	72.8	0.0	2
	0.00000	0.00000	0.00000	0.00044	0.00000	
	0.00000	0.00000	0.00000	0.00029	0.00000	
BERYLLIUM COMPOUNDS	0.0	0.0	0.0	0.0	0.0	3
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
BISPHENOL-A	0.0	0.0	0.0	295.7	0.0	2
	0.00000	0.00000	0.00000	0.00178	0.00000	
	0.00000	0.00000	0.00000	0.00117	0.00000	
BLASTING OF SULFUR STORAGE PILES	34040.0					4
	0.02580					
	0.02580					
BORIC ACID AND BORAX - SODIUM TETRABORATE	2177.0	0.0	0.0	0.0	0.0	3
	0.00165	0.00000	0.00000	0.00000	0.00000	
	0.00165	0.00000	0.00000	0.00000	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
BRAKE SHOE DEBONDING	6.1	2.2	0.2	0.4	4.9	1
	0.00000	0.00001	0.00000	0.00000	0.00001	
	0.00000	0.00001	0.00000	0.00000	0.00001	
BRASS AND BRONZE INGOT PRODUCTION	1372.0	0.0	0.0	0.0	0.0	3
	0.00104	0.00000	0.00000	0.00000	0.00000	
	0.00104	0.00000	0.00000	0.00000	0.00000	
BREAKING AND SCUTCHING FLAX FIBRES	21.4	0.0	0.0	0.0	0.0	2
	0.00002	0.00000	0.00000	0.00000	0.00000	
	0.00002	0.00000	0.00000	0.00000	0.00000	
BRICK KILNS AND DRIERS	2336.0	141700.0	8680.0	9734.0	0.0	3
	0.00177	0.58200	0.09360	0.05870	0.00000	
	0.00177	0.58200	0.03880	0.03860	0.00000	
BROMINE	--	--	--	--	--	3
BRUCINE ALKALOID	0.0	0.0	0.0	0.0	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
BUILDING DEMOLITION	47890.0					4
	0.03630					
	0.03630					
BUTADIENE	0.0	0.0	0.0	20930.0	0.0	2
	0.00000	0.00000	0.00000	0.12600	0.00000	
	0.00000	0.00000	0.00000	0.08290	0.00000	
2-BUTOXYETHANOL	0.0	0.0	0.0	37.8	0.0	2
	0.00000	0.00000	0.00000	0.00023	0.00000	
	0.00000	0.00000	0.00000	0.00015	0.00000	
S-BUTYL ALCOHOL	0.0	0.0	0.0	1502.0	0.0	2
	0.00000	0.00000	0.00000	0.00906	0.00000	
	0.00000	0.00000	0.00000	0.00595	0.00000	
BUTYLENE DIMER - DIISOBUTYLENE	0.0	0.0	0.0	10.2	0.0	2
	0.00000	0.00000	0.00000	0.00006	0.00000	
	0.00000	0.00000	0.00000	0.00004	0.00000	
N-BUTYL ACRYLATE	0.0	0.0	0.0	72.6	0.0	2
	0.00000	0.00000	0.00000	0.00044	0.00000	
	0.00000	0.00000	0.00000	0.00029	0.00000	
BUTYL OCTYL PHTHALATE	0.0	0.0	0.0	5.4	0.0	2
	0.00000	0.00000	0.00000	0.00003	0.00000	
	0.00000	0.00000	0.00000	0.00002	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
T-BUTYL ALCOHOL	0.0	0.0	0.0	21.8	0.0	2
	0.00000	0.00000	0.00000	0.00013	0.00000	
	0.00000	0.00000	0.00000	0.00009	0.00000	
BUTYLAMINE	0.0	0.0	0.0	4.1	0.0	2
	0.00000	0.00000	0.00000	0.00002	0.00000	
	0.00000	0.00000	0.00000	0.00002	0.00000	
N-BUTYL ACETATE	0.0	0.0	0.0	38.8	0.0	2
	0.00000	0.00000	0.00000	0.00023	0.00000	
	0.00000	0.00000	0.00000	0.00015	0.00000	
N-BUTYL ALCOHOL	0.0	0.0	0.0	569.8	17320.0	2
	0.00000	0.00000	0.00000	0.00344	0.01970	
	0.00000	0.00000	0.00000	0.00226	0.01780	
N-BUTYRALDEHYDE	0.0	0.0	0.0	814.4	1629.0	2
	0.00000	0.00000	0.00000	0.00491	0.00185	
	0.00000	0.00000	0.00000	0.00323	0.00167	
N-BUTYRIC ACID	0.0	0.0	0.0	0.5	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
CADMIUM PIGMENTS - CADMIUM SULFIDE, SULFOSELENIDE, LITHOPONE	37.1	0.0	0.0	0.0	0.0	3
	0.00003	0.00000	0.00000	0.00000	0.00000	
	0.00003	0.00000	0.00000	0.00000	0.00000	
CALCIUM CARBONATE	300.5	0.0	0.0	0.0	0.0	3
	0.00023	0.00000	0.00000	0.00000	0.00000	
	0.00023	0.00000	0.00000	0.00000	0.00000	
CALCIUM CHLORIDE	6892.0	0.0	0.0	0.0	0.0	3
	0.00522	0.00000	0.00000	0.00000	0.00000	
	0.00522	0.00000	0.00000	0.00000	0.00000	
CALCIUM CARBIDE	12160.0	1106.0	0.0	0.0	0.0	3
	0.00921	0.00454	0.00000	0.00000	0.00000	
	0.00921	0.00454	0.00000	0.00000	0.00000	
CALCIUM ARSENATE	0.5	0.0	0.0	0.0	0.0	3
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
CALCIUM PHOSPHATE	807.4	0.0	0.0	0.0	0.0	3
	0.00061	0.00000	0.00000	0.00000	0.00000	
	0.00061	0.00000	0.00000	0.00000	0.00000	
CAPROLACTAM	0.0	0.0	0.0	155.1	0.0	2
	0.00000	0.00000	0.00000	0.00093	0.00000	
	0.00000	0.00000	0.00000	0.00061	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
CAPTAN	0.0	0.0	0.0	0.4	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
CARBARYL-SEVIN	0.0	0.0	0.0	49.9	0.0	2
	0.00000	0.00000	0.00000	0.00030	0.00000	
	0.00000	0.00000	0.00000	0.00020	0.00000	
CARBON BLACK - FURNACE	4666.0	445.1	3454.0	146900.0	1214000.0	2
	0.00353	0.00183	0.03730	0.88600	1.38000	
	0.00353	0.00183	0.01540	0.58200	1.25000	
CARBONIZING WOOL FIBRES	--	--	--	--	--	2
CARBON BLACK - THERMAL	0.1	0.0	0.0	0.0	0.1	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
CARBON TETRACHLORIDE - METHANE	0.0	0.0	0.0	7966.0	0.0	2
	0.00000	0.00000	0.00000	0.04800	0.00000	
	0.00000	0.00000	0.00000	0.03160	0.00000	
CARBON TETRACHLORIDE - CHLORINATION OF PROPANE	0.0	0.0	0.0	4128.0	0.0	2
	0.00000	0.00000	0.00000	0.02490	0.00000	
	0.00000	0.00000	0.00000	0.01640	0.00000	
CARBON DISULFIDE	111.0	1659.0	48.6	55.5	0.0	2
	0.00008	0.00681	0.00052	0.00033	0.00000	
	0.00008	0.00681	0.00022	0.00022	0.00000	
CARBON TETRACHLORIDE - CARBON DISULFIDE	0.0	0.0	0.0	4253.0	0.0	2
	0.00000	0.00000	0.00000	0.02560	0.00000	
	0.00000	0.00000	0.00000	0.01690	0.00000	
CARDING ASBESTOS FIBRES	27.5	0.0	0.0	0.0	0.0	2
	0.00002	0.00000	0.00000	0.00000	0.00000	
	0.00002	0.00000	0.00000	0.00000	0.00000	
CARDING OF COTTON FIBRES	1408.0	0.0	0.0	0.0	0.0	2
	0.00107	0.00000	0.00000	0.00000	0.00000	
	0.00107	0.00000	0.00000	0.00000	0.00000	
CARDING WOOL FIBRES	1793.0	0.0	0.0	0.0	0.0	2
	0.00136	0.00000	0.00000	0.00000	0.00000	
	0.00136	0.00000	0.00000	0.00000	0.00000	
CARPET DYEING AND DRYING COTTON	0.0	0.0	0.0	0.9	0.0	2
	0.00000	0.00000	0.00000	0.00001	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
CARPET BACKING - COTTON	0.7	0.0	0.0	0.0	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
CARPET BACKING - FLAX	1.8	0.0	0.0	0.0	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
CARPET DYEING AND DRYING FLAX	0.0	0.0	0.0	1.0	0.0	2
	0.00000	0.00000	0.00000	0.00001	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
CARPET DYEING AND DRYING NATURAL POLYMER FABRICS	0.0	0.0	0.0	1.8	0.0	2
	0.00000	0.00000	0.00000	0.00001	0.00000	
	0.00000	0.00000	0.00000	0.00001	0.00000	
CARPET DYEING AND DRYING RAYON FABRICS	0.0	0.0	0.0	9.1	0.0	2
	0.00000	0.00000	0.00000	0.00005	0.00000	
	0.00000	0.00000	0.00000	0.00004	0.00000	
CARPET DYEING AND DRYING WOOL	0.0	0.0	0.0	12.9	0.0	2
	0.00000	0.00000	0.00000	0.00008	0.00000	
	0.00000	0.00000	0.00000	0.00005	0.00000	
CARPET BACKING SYNTHETIC POLYMERS	62.9	0.0	0.0	0.0	0.0	2
	0.00005	0.00000	0.00000	0.00000	0.00000	
	0.00005	0.00000	0.00000	0.00000	0.00000	
CARPET DYEING AND DRYING SYNTHETIC POLYMERS	0.0	0.0	0.0	271.2	0.0	2
	0.00000	0.00000	0.00000	0.00164	0.00000	
	0.00000	0.00000	0.00000	0.00107	0.00000	
CATECHOL	0.0	0.0	0.0	1.1	0.0	2
	0.00000	0.00000	0.00000	0.00001	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
CELLULOSE ACETATE	0.0	0.0	0.0	1898.0	0.0	2
	0.00000	0.00000	0.00000	0.01140	0.00000	
	0.00000	0.00000	0.00000	0.00752	0.00000	
CEMENT	878000.0	741000.0	91310.0	0.0	0.0	3
	0.66500	3.04000	0.98500	0.00000	0.00000	
	0.66500	3.04000	0.40800	0.00000	0.00000	
CHARCOAL MANUFACTURE	114300.0	0.0	0.0	28570.0	91420.0	1
	0.08660	0.00000	0.00000	0.17200	0.10400	
	0.08660	0.00000	0.00000	0.11300	0.09390	
CHLOROFORM	0.0	0.0	0.0	2150.0	0.0	2
	0.00000	0.00000	0.00000	0.01300	0.00000	
	0.00000	0.00000	0.00000	0.00852	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
CHLOROBENZENE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	1377.0 0.00830 0.00546	0.0 0.00000 0.00000	2
CHLOROACETIC ACID	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	45.7 0.00028 0.00018	0.0 0.00000 0.00000	2
CHLOROPHENOL	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	12.7 0.00008 0.00005	0.0 0.00000 0.00000	2
CHLORDANE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.4 0.00000 0.00000	0.0 0.00000 0.00000	2
CHLOROSULFONIC ACID	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	70.5 0.00042 0.00028	0.0 0.00000 0.00000	2
CHLOROTRIFLUORO METHANE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	5.4 0.00003 0.00002	0.0 0.00000 0.00000	2
CHLOROSULFONIC ACID - INORGANIC ACIDS	--	--	--	--	--	3
CHLORINATION OF SWIMMING POOLS						
CHOLINE CHLORIDE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	31.6 0.00019 0.00012	0.0 0.00000 0.00000	2
CHROMIUM COMPOUNDS - ACETATE, BORIDES, HALIDES, ETC.	0.1 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
CHROMIUM OXIDE - INORGANIC PIGMENT	0.3 0.00000 0.00000	5.6 0.00002 0.00002	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
CHROMIC ACID	1.2 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
CLAY PROCESSING AREA	39050.0 0.02960 0.02960					4

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
CLAY SILOS - KAOLIN	5297.0 0.00401 0.00401					4
COAL REFUSE PILES, OUTCROPS AND ABANDONED MINES	99730.0 0.07550 0.07550	183600.0 0.75400 0.75400	30590.0 0.33000 0.13700	61180.0 0.36900 0.24200	305900.0 0.34700 0.31400	1
COAL CLEANING PLANTS - THERMAL DRYING	7244.0 0.00549 0.00549	241.5 0.00099 0.00099	2415.0 0.02610 0.01080	2415.0 0.01460 0.00957	2415.0 0.00274 0.00248	3
COAL CLEANING PLANTS - PNEUMATIC	922.6 0.00070 0.00070	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
COAL TRANSPORT	32560.0 0.02470 0.02470					4
COAL ASH DISPOSAL	635.8 0.00048 0.00048					4
COAL CONVEYING	2505.0 0.00190 0.00190					4
COAL STORAGE	497.8 0.00038 0.00038					4
COAL FINES DISPOSAL	80150.0 0.06070 0.06070					4
COBALT COMPOUNDS - ACETATE, CARBONATE, HALIDES, ETC.	8.5 0.00001 0.00001	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
COFFEE ROASTING	6002.0 0.00455 0.00455	0.0 0.00000 0.00000	0.0 0.00000 0.00000	16660.0 0.10000 0.06600	0.0 0.00000 0.00000	2
COKE MANUFACTURE	218200.0 0.16500 0.16500	161700.0 0.66400 0.66400	1581.0 0.01710 0.00707	167600.0 1.01000 0.66400	50200.0 0.05700 0.05160	3
COMBING ASBESTOS FIBRES	27.5 0.00002 0.00002	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	2

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
COMBING OF COTTON FIBRES	172.3	0.0	0.0	0.0	0.0	2
	0.00013	0.00000	0.00000	0.00000	0.00000	
	0.00013	0.00000	0.00000	0.00000	0.00000	
COMBING FLAX FIBRES	3.6	0.0	0.0	0.0	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
COMBING WOOL FIBRES	1403.0	0.0	0.0	0.0	0.0	2
	0.00106	0.00000	0.00000	0.00000	0.00000	
	0.00106	0.00000	0.00000	0.00000	0.00000	
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV DRY BOTM	10900.0	38090.0	2540.0	1180.0	4178.0	1
	0.00825	0.15600	0.02740	0.00711	0.00474	
	0.00825	0.15600	0.01140	0.00467	0.00429	
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS PULV WET BOTM	562.0	1905.0	127.1	60.8	21.0	1
	0.00043	0.00782	0.00137	0.00037	0.00002	
	0.00043	0.00782	0.00057	0.00024	0.00002	
COMMERCIAL/INSTITUTIONAL EXT COMB BITUMINOUS STOKER	45320.0	154200.0	9986.0	4904.0	16350.0	1
	0.03430	0.63300	0.10800	0.02960	0.01850	
	0.03430	0.63300	0.04470	0.01940	0.01680	
COMMERCIAL/INSTITUTIONAL EXT COMB ANTHRACITE STOKER	19060.0	18110.0	14560.0	190.6	1906.0	1
	0.01440	0.07440	0.15700	0.00115	0.00216	
	0.01440	0.07440	0.06510	0.00075	0.00196	
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL TANG FIRE	371.9	8614.0	181.3	27.2	145.3	1
	0.00028	0.03540	0.00196	0.00016	0.00016	
	0.00028	0.03540	0.00081	0.00011	0.00015	
COMMERCIAL/INSTITUTIONAL EXT COMB RESID OIL OTHER	46350.0	1090000.0	217600.0	3630.0	18130.0	1
	0.03510	4.48000	2.35000	0.02190	0.02060	
	0.03510	4.48000	0.97400	0.01440	0.01860	
COMMERCIAL/INSTITUTIONAL EXT COMB DIST OIL TANG FIRE	72.6	1179.0	816.3	36.3	181.6	1
	0.00005	0.00484	0.00881	0.00022	0.00021	
	0.00005	0.00484	0.00365	0.00014	0.00019	
COMMERCIAL/INSTITUTIONAL EXT COMB DIST OIL OTHER	6976.0	117900.0	77090.0	3628.0	18140.0	1
	0.00528	0.48400	0.83200	0.02190	0.02060	
	0.00528	0.48400	0.34500	0.01440	0.01860	
COMMERCIAL/INSTITUTIONAL EXT COMB GAS TANG FIRE	353.9	21.8	4262.0	281.2	734.4	1
	0.00027	0.00009	0.04600	0.00170	0.00083	
	0.00027	0.00009	0.01910	0.00111	0.00075	
COMMERCIAL/INSTITUTIONAL EXT COMB GAS OTHER	7892.0	490.1	95060.0	6261.0	16310.0	1
	0.00598	0.00201	1.03000	0.03780	0.01850	
	0.00598	0.00201	0.42500	0.02480	0.01680	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
COMMERCIAL/INSTITUTIONAL INT COMB DIST OIL	1908.0 0.00145 0.00145	2451.0 0.01010 0.01010	22660.0 0.24400 0.10100	1544.0 0.00931 0.00612	4081.0 0.00463 0.00419	1
COMMERCIAL/INSTITUTIONAL INT COMB GAS	0.0 0.00000 0.00000	0.6 0.00000 0.00000	6807.0 0.07340 0.03050	0.0 0.00000 0.00000	0.0 0.00000 0.00000	1
CONSTRUCTION ACTIVITIES	3414000.0 2.59000 2.59000					4
CONVERSION OF CRUDE IODINE TO RESUBLIMED AND IODINE PRODUCTS	--	--	--	--	--	3
CONVEYING OF SAND AND GRAVEL	4171.0 0.00316 0.00316					4
COPPER SULFATE - PENTAHYDRATE	34.5 0.00003 0.00003	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
COTTONSEED OIL MILLING	6164.0 0.00467 0.00467	0.0 0.00000 0.00000	0.0 0.00000 0.00000	10270.0 0.06200 0.04070	0.0 0.00000 0.00000	2
COTTON GINS	6843.0 0.00518 0.00518	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
COTTON HARVESTING	30770.0 0.02330 0.02330					4
COVERED WIRE INCINERATION	1089.0 0.00082 0.00082	0.0 0.00000 0.00000	54.4 0.00059 0.00024	272.2 0.00164 0.00108	1361.0 0.00154 0.00140	1
M-CRESOL	0.0 0.00000 0.00000	0.0 0.00000 0.00000	22.0 0.00024 0.00010	10.5 0.00006 0.00004	0.0 0.00000 0.00000	2
CRESOL - SYNTHETIC	131.3 0.00010 0.00010	0.0 0.00000 0.00000	109.4 0.00118 0.00049	1094.0 0.00660 0.00433	350.0 0.00040 0.00036	2
CRESYLIC ACID	0.0 0.00000 0.00000	0.0 0.00000 0.00000	255.3 0.00275 0.00114	121.6 0.00073 0.00048	0.0 0.00000 0.00000	2

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
CRESYLDIPHENYL PHOSPHATE	0.0	0.0	0.0	3.3	0.0	2
	0.00000	0.00000	0.00000	0.00002	0.00000	
	0.00000	0.00000	0.00000	0.00001	0.00000	
CROTONALDEHYDE	0.0	0.0	0.0	4.5	0.0	2
	0.00000	0.00000	0.00000	0.00003	0.00000	
	0.00000	0.00000	0.00000	0.00002	0.00000	
CRUDE IODINE - DOMESTIC PRODUCTION	--	--	--	--	--	3
CRUSHED SANDSTONE	98390.0					4
	0.07450					
	0.07450					
CRUSHED GRANITE	299200.0					4
	0.22700					
	0.22700					
CRUSHED STONE/TRAPROCK	395200.0					4
	0.29900					
	0.29900					
CRUSHED LIMESTONE	2034000.0					4
	1.54000					
	1.54000					
CRUSHING, SIZING OF SAND AND GRAVEL	37540.0					4
	0.02840					
	0.02840					
CUMENE	573.8	0.0	0.0	1721.0	0.0	2
	0.00043	0.00000	0.00000	0.01040	0.00000	
	0.00043	0.00000	0.00000	0.00682	0.00000	
CUMENE SULFONATE - AMMONIUM SALT	0.0	0.0	0.0	4.5	0.0	2
	0.00000	0.00000	0.00000	0.00003	0.00000	
	0.00000	0.00000	0.00000	0.00002	0.00000	
CUMENE SULFONIC ACID	0.0	0.0	0.0	4.4	0.0	2
	0.00000	0.00000	0.00000	0.00003	0.00000	
	0.00000	0.00000	0.00000	0.00002	0.00000	
CYCLOHEXANONE	0.0	0.0	0.0	31240.0	34580.0	2
	0.00000	0.00000	0.00000	0.18800	0.03920	
	0.00000	0.00000	0.00000	0.12400	0.03550	
CYCLOHEXYLAMINE	0.0	0.0	0.0	3.7	0.0	2
	0.00000	0.00000	0.00000	0.00002	0.00000	
	0.00000	0.00000	0.00000	0.00001	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
1,5-CYCLOOCTADIENE	0.0	0.0	0.0	13.6	0.0	2
	0.00000	0.00000	0.00000	0.00008	0.00000	
	0.00000	0.00000	0.00000	0.00005	0.00000	
CYCLOHEXANE	0.0	775.2	0.0	7752.0	9691.0	2
	0.00000	0.00318	0.00000	0.04670	0.01100	
	0.00000	0.00318	0.00000	0.03070	0.00996	
C4 HYDROCARBONS	0.0	0.0	10450.0	4976.0	0.0	2
	0.00000	0.00000	0.11300	0.03000	0.00000	
	0.00000	0.00000	0.04670	0.01970	0.00000	
C5 HYDROCARBONS	0.0	0.0	1210.0	576.2	0.0	2
	0.00000	0.00000	0.01310	0.00347	0.00000	
	0.00000	0.00000	0.00541	0.00228	0.00000	
2,4-D - DIMETHYLAMINE SALT	0.0	0.0	0.0	20.4	0.0	2
	0.00000	0.00000	0.00000	0.00012	0.00000	
	0.00000	0.00000	0.00000	0.00008	0.00000	
DALAPON	0.0	0.0	0.0	0.5	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
DDT	0.0	0.0	0.0	57.8	0.0	2
	0.00000	0.00000	0.00000	0.00035	0.00000	
	0.00000	0.00000	0.00000	0.00023	0.00000	
DECYL ALCOHOL	0.0	0.0	0.0	71.1	106.7	2
	0.00000	0.00000	0.00000	0.00043	0.00012	
	0.00000	0.00000	0.00000	0.00028	0.00011	
DEEP FRYING	0.0	0.0	0.0	14970.0	0.0	2
	0.00000	0.00000	0.00000	0.09030	0.00000	
	0.00000	0.00000	0.00000	0.05930	0.00000	
DEFOLIATION OF COTTON						
DI BUTYL PHTHALATE	0.0	0.0	0.0	19.7	0.0	2
	0.00000	0.00000	0.00000	0.00012	0.00000	
	0.00000	0.00000	0.00000	0.00008	0.00000	
DI-SYSTON	0.0	0.0	0.0	0.5	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
DI-2-ETHYLHEXYL PHTHALATE	0.0	0.0	0.0	641.3	0.0	2
	0.00000	0.00000	0.00000	0.00387	0.00000	
	0.00000	0.00000	0.00000	0.00254	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
DI-2-ETHYLHEXYL ADIPATE	0.0	0.0	0.0	10.2	0.0	2
	0.00000	0.00000	0.00000	0.00006	0.00000	
	0.00000	0.00000	0.00000	0.00004	0.00000	
DIAZINON	0.0	0.0	0.0	1.0	0.0	2
	0.00000	0.00000	0.00000	0.00001	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
O-DICHLOROBENZENE	0.0	0.0	0.0	640.1	0.0	2
	0.00000	0.00000	0.00000	0.00386	0.00000	
	0.00000	0.00000	0.00000	0.00254	0.00000	
P-DICHLOROBENZENE	0.0	0.0	0.0	947.1	0.0	2
	0.00000	0.00000	0.00000	0.00571	0.00000	
	0.00000	0.00000	0.00000	0.00375	0.00000	
2,4-DICHLOROPHENOXY ACETIC ACID	0.0	0.0	0.0	40.8	0.0	2
	0.00000	0.00000	0.00000	0.00025	0.00000	
	0.00000	0.00000	0.00000	0.00016	0.00000	
DICHLOROBENZONITRILE	0.0	0.0	0.0	0.0	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
DICHLORODIFLUOROMETHANE	0.0	0.0	0.0	849.1	0.0	2
	0.00000	0.00000	0.00000	0.00512	0.00000	
	0.00000	0.00000	0.00000	0.00336	0.00000	
DICHLORONAPTHO QUINONE	0.0	0.0	0.0	4.5	0.0	2
	0.00000	0.00000	0.00000	0.00003	0.00000	
	0.00000	0.00000	0.00000	0.00002	0.00000	
2,4-DICHLOROPHENOXY ACETIC ACID ESTERS	0.0	0.0	0.0	21.0	0.0	2
	0.00000	0.00000	0.00000	0.00013	0.00000	
	0.00000	0.00000	0.00000	0.00008	0.00000	
DICHLOROTETRAFLUOROETHANE	0.0	0.0	0.0	15.1	0.0	2
	0.00000	0.00000	0.00000	0.00009	0.00000	
	0.00000	0.00000	0.00000	0.00006	0.00000	
DICHLOROVOS-VAPONA-DDVP	0.0	0.0	0.0	0.7	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
DIELDRIN	0.0	0.0	0.0	0.2	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
DIETHYLAMINE	0.0	0.0	0.0	5.0	0.0	2
	0.00000	0.00000	0.00000	0.00003	0.00000	
	0.00000	0.00000	0.00000	0.00002	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
DIISODECYL PHTHALATE	0.0	0.0	0.0	154.9	0.0	2
	0.00000	0.00000	0.00000	0.00093	0.00000	
	0.00000	0.00000	0.00000	0.00061	0.00000	
DIISOOCTAL PHTHALATE	0.0	0.0	0.0	39.4	0.0	2
	0.00000	0.00000	0.00000	0.00024	0.00000	
	0.00000	0.00000	0.00000	0.00016	0.00000	
DIMETHYL PHTHALATE	0.0	0.0	0.0	10.0	0.0	2
	0.00000	0.00000	0.00000	0.00006	0.00000	
	0.00000	0.00000	0.00000	0.00004	0.00000	
DIMETHYL TEREPHTHALATE	734.9	562.9	46.9	49440.0	28710.0	2
	0.00056	0.00231	0.00051	0.29800	0.03260	
	0.00056	0.00231	0.00021	0.19600	0.02950	
DIMETHYL HYDRAZINE	--	--	--	--	--	2
DINITROTOLUENE	0.0	0.0	4.0	14.7	0.0	2
	0.00000	0.00000	0.00004	0.00009	0.00000	
	0.00000	0.00000	0.00002	0.00006	0.00000	
DINITROBENZENE	0.0	0.0	0.0	1.4	0.0	2
	0.00000	0.00000	0.00000	0.00001	0.00000	
	0.00000	0.00000	0.00000	0.00001	0.00000	
DINITROPHENOL	0.0	0.0	0.2	0.7	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
DIQUAT	0.0	0.0	0.0	0.3	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
DISPOSAL OF CONCRETE BLOCK WASTES	2996.0					4
	0.00227					
	0.00227					
DISPOSAL OF ASBESTOS WASTE ORE	7620.0					4
	0.00577					
	0.00577					
DISTILLED LIQUOR	2640.0	0.0	0.0	10560.0	0.0	2
	0.00200	0.00000	0.00000	0.06370	0.00000	
	0.00200	0.00000	0.00000	0.04180	0.00000	
DODECYLBENZENE SULFONIC ACID	0.0	0.0	0.0	664.8	0.0	2
	0.00000	0.00000	0.00000	0.00401	0.00000	
	0.00000	0.00000	0.00000	0.00263	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
DODECYLBENZENE SULFONIC ACID - SODIUM SALT	0.0	0.0	0.0	1694.0	0.0	2
	0.00000	0.00000	0.00000	0.01020	0.00000	
	0.00000	0.00000	0.00000	0.00671	0.00000	
DODECYLBENZENE SULFONIC ACID - TRIETHYLAMINE SALT	0.0	0.0	0.0	31.3	0.0	2
	0.00000	0.00000	0.00000	0.00019	0.00000	
	0.00000	0.00000	0.00000	0.00012	0.00000	
DODECYLBENZENE - HARD	0.0	0.0	0.0	561.3	280.7	2
	0.00000	0.00000	0.00000	0.00338	0.00032	
	0.00000	0.00000	0.00000	0.00222	0.00029	
DODECENE - NON-LINEAR	0.0	0.0	0.0	105.2	0.0	2
	0.00000	0.00000	0.00000	0.00063	0.00000	
	0.00000	0.00000	0.00000	0.00042	0.00000	
DODECYLBENZENE SULFONIC ACID - CALCIUM SALT	0.0	0.0	0.0	56.3	0.0	2
	0.00000	0.00000	0.00000	0.00034	0.00000	
	0.00000	0.00000	0.00000	0.00022	0.00000	
DODECYLBENZENE SULFONIC ACID - ISOPROPYLEMINE SALT	0.0	0.0	0.0	10.0	0.0	2
	0.00000	0.00000	0.00000	0.00006	0.00000	
	0.00000	0.00000	0.00000	0.00004	0.00000	
DRAWING AND SPINNING COTTON FIBRES	5071.0	0.0	0.0	0.0	0.0	2
	0.00384	0.00000	0.00000	0.00000	0.00000	
	0.00384	0.00000	0.00000	0.00000	0.00000	
DRAWING AND SPINNING FLAX FIBRES	5.3	0.0	0.0	0.0	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
DRAWING AND SPINNING WOOL FIBRES	135.1	0.0	0.0	0.0	0.0	2
	0.00010	0.00000	0.00000	0.00000	0.00000	
	0.00010	0.00000	0.00000	0.00000	0.00000	
DRILLING OIL AND GAS - BEFORE WELL HIT	62.1					4
	0.00005					
	0.00005					
DRUM INCINERATION	476.3	0.0	66.7	285.8	790.6	1
	0.00036	0.00000	0.00072	0.00172	0.00090	
	0.00036	0.00000	0.00030	0.00113	0.00081	
DURSBAN	0.0	0.0	0.0	0.5	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
DYEING COTTON FABRICS	0.0	0.0	0.0	4614.0	0.0	2
	0.00000	0.00000	0.00000	0.02780	0.00000	
	0.00000	0.00000	0.00000	0.01830	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
DYEING LINEN FABRICS	0.0	0.0	0.0	0.1	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
DYEING NATURAL POLYMER FABRICS	0.0	0.0	0.0	0.7	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
DYEING RAYON FABRICS	0.0	0.0	0.0	2.7	0.0	2
	0.00000	0.00000	0.00000	0.00002	0.00000	
	0.00000	0.00000	0.00000	0.00001	0.00000	
DYEING SILK FABRICS	0.0	0.0	0.0	0.0	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
DYEING AND DRYING WOOL FIBRE STOCK	0.0	0.0	0.0	0.4	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
DYEING WOOL FABRICS	0.0	0.0	0.0	0.4	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
DYEING SYNTHETIC POLYMER FABRICS	0.0	0.0	0.0	3842.0	0.0	2
	0.00000	0.00000	0.00000	0.02320	0.00000	
	0.00000	0.00000	0.00000	0.01520	0.00000	
ELECTRICAL EQUIPMENT WINDING RECLAMATION	312.5	5.3	182.7	14.9	36.5	1
	0.00024	0.00002	0.00197	0.00009	0.00004	
	0.00024	0.00002	0.00082	0.00006	0.00004	
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV WET BOTM	453700.0	1724000.0	688600.0	6886.0	23480.0	1
	0.34400	7.08000	7.43000	0.04150	0.02660	
	0.34400	7.08000	3.08000	0.02730	0.02410	
ELECTRICITY GENERATION EXT COMB BITUMINOUS CYCLONE	226900.0	1724000.0	1270000.0	6886.0	23480.0	1
	0.17200	7.08000	13.70000	0.04150	0.02660	
	0.17200	7.08000	5.68000	0.02730	0.02410	
ELECTRICITY GENERATION EXT COMB BITUMINOUS STOKER	117900.0	154700.0	30830.0	1819.0	4087.0	1
	0.08930	0.63600	0.33300	0.01100	0.00464	
	0.08930	0.63600	0.13800	0.00721	0.00420	
ELECTRICITY GENERATION EXT COMB ANTHRACITE PULV DRY BOTM	15430.0	13600.0	4164.0	7.3	23.6	1
	0.01170	0.05590	0.04490	0.00004	0.00003	
	0.01170	0.05590	0.01860	0.00003	0.00002	
ELECTRICITY GENERATION EXT COMB ANTHRACITE STOKER	3447.0	23570.0	6421.0	81.4	861.8	1
	0.00261	0.09680	0.06930	0.00049	0.00098	
	0.00261	0.09680	0.02870	0.00032	0.00088	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
ELECTRICITY GENERATION EXT COMB LIGNITE PULV DRY BOTM	45250.0	67020.0	38100.0	3358.0	3358.0	1
	0.03430	0.27500	0.41100	0.02020	0.00381	
	0.03430	0.27500	0.17000	0.01330	0.00345	
ELECTRICITY GENERATION EXT COMB LIGNITE PULV WET BOTM	11770.0	17230.0	9039.0	903.9	903.9	1
	0.00891	0.07070	0.09750	0.00545	0.00103	
	0.00891	0.07070	0.04040	0.00358	0.00093	
ELECTRICITY GENERATION EXT COMB LIGNITE CYCLONE	7624.0	10920.0	3445.0	571.4	1177.0	1
	0.00578	0.04480	0.03720	0.00345	0.00134	
	0.00578	0.04480	0.01540	0.00226	0.00121	
ELECTRICITY GENERATION EXT COMB LIGNITE STOKER	7598.0	10890.0	3447.0	572.7	1179.0	1
	0.00576	0.04470	0.03720	0.00345	0.00134	
	0.00576	0.04470	0.01540	0.00227	0.00121	
ELECTRICITY GENERATION EXT COMB RESID OIL TANG FIRE	42730.0	526400.0	163400.0	3265.0	16340.0	1
	0.03240	2.16000	1.76000	0.01970	0.01850	
	0.03240	2.16000	0.73100	0.01290	0.01680	
ELECTRICITY GENERATION EXT COMB RESID OIL OTHER	66040.0	816100.0	535300.0	4988.0	25400.0	1
	0.05000	3.35000	5.78000	0.03010	0.02880	
	0.05000	3.35000	2.39000	0.01980	0.02610	
ELECTRICITY GENERATION EXT COMB DIST OIL TANG FIRE	362.9	4990.0	4892.0	172.4	879.7	1
	0.00027	0.02050	0.05280	0.00104	0.00100	
	0.00027	0.02050	0.02190	0.00068	0.00090	
ELECTRICITY GENERATION EXT COMB DIST OIL OTHER	545.3	7900.0	14530.0	281.3	1360.0	1
	0.00041	0.03240	0.15700	0.00170	0.00154	
	0.00041	0.03240	0.06500	0.00111	0.00140	
ELECTRICITY GENERATION EXT COMB GAS TANG FIRE	3548.0	208.7	108800.0	354.8	5993.0	1
	0.00269	0.00086	1.17000	0.00214	0.00680	
	0.00269	0.00086	0.48700	0.00141	0.00616	
ELECTRICITY GENERATION EXT COMB GAS OTHER	10840.0	653.4	761800.0	1084.0	18560.0	1
	0.00821	0.00268	8.22000	0.00653	0.02110	
	0.00821	0.00268	3.41000	0.00429	0.01910	
ELECTRICITY GENERATION EXT COMB REFUSE	600100.0	18130.0	1180.0	335.6	0.0	1
	0.45500	0.07440	0.01270	0.00202	0.00000	
	0.45500	0.07440	0.00528	0.00133	0.00000	
ELECTRICITY GENERATION INT COMB DIST OIL TURBINE	4628.0	3268.0	62570.0	5174.0	14530.0	1
	0.00351	0.01340	0.67500	0.03120	0.01650	
	0.00351	0.01340	0.28000	0.02050	0.01490	
ELECTRICITY GENERATION INT COMB GAS TURBINE	1453.0	526.3	41690.0	4268.0	11840.0	1
	0.00110	0.00216	0.45000	0.02570	0.01340	
	0.00110	0.00216	0.18600	0.01690	0.01220	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
ELECTRICITY GENERATION INT COMB DIST OIL RECIP ENG	2815.0	2631.0	39940.0	3176.0	8581.0	1
	0.00213	0.01080	0.43100	0.01920	0.00974	
	0.00213	0.01080	0.17900	0.01260	0.00882	
ELECTRICITY GENERATION INT COMB GAS RECIP ENG	299.7	12.7	14510.0	25.4	2456.0	1
	0.00023	0.00005	0.15700	0.00015	0.00279	
	0.00023	0.00005	0.06490	0.00010	0.00252	
ELECTRICITY GENERATION EXT COMB BITUMINOUS PULV DRY BOTM	3174000.0	9073000.0	2175000.0	37240.0	127500.0	1
	2.40000	37.30000	23.50000	0.22500	0.14500	
	2.40000	37.30000	9.73000	0.14800	0.13100	
ELECTROLYTIC PRODUCTION OF CHLORINE	--	--	--	--	--	3
ENDOSULFAN - THIODAN	0.0	0.0	0.0	10.2	0.0	2
	0.00000	0.00000	0.00000	0.00006	0.00000	
	0.00000	0.00000	0.00000	0.00004	0.00000	
ENDRIN	0.0	0.0	0.0	10.2	0.0	2
	0.00000	0.00000	0.00000	0.00006	0.00000	
	0.00000	0.00000	0.00000	0.00004	0.00000	
EPICHLOROHYDRIN	0.0	0.0	0.0	408.2	0.0	2
	0.00000	0.00000	0.00000	0.00246	0.00000	
	0.00000	0.00000	0.00000	0.00162	0.00000	
EPOXY RESINS - MODIFIED	0.0	0.0	0.0	82.6	0.0	2
	0.00000	0.00000	0.00000	0.00050	0.00000	
	0.00000	0.00000	0.00000	0.00033	0.00000	
EPOXY RESINS - UNMODIFIED	0.0	0.0	0.0	144.0	0.0	2
	0.00000	0.00000	0.00000	0.00087	0.00000	
	0.00000	0.00000	0.00000	0.00057	0.00000	
ETHANOL	0.0	0.0	0.0	1502.0	0.0	2
	0.00000	0.00000	0.00000	0.00906	0.00000	
	0.00000	0.00000	0.00000	0.00595	0.00000	
ETHANOLAMINE - MONO-,DI-,AND TRI	0.0	0.0	0.0	1517.0	0.0	2
	0.00000	0.00000	0.00000	0.00915	0.00000	
	0.00000	0.00000	0.00000	0.00601	0.00000	
ETHION	0.0	0.0	0.0	0.4	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
ETHOXYLATED NONYLPHENOL	0.0	0.0	0.0	49.3	0.0	2
	0.00000	0.00000	0.00000	0.00030	0.00000	
	0.00000	0.00000	0.00000	0.00019	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
ETHOXYLATED MIXED LINEAR ALCOHOLS	0.0	0.0	0.0	4.0	16.8	2
	0.00000	0.00000	0.00000	0.00002	0.00002	
	0.00000	0.00000	0.00000	0.00002	0.00002	
ETHOXYLATED OCTYLPHENOL	0.0	0.0	0.0	1.2	0.0	2
	0.00000	0.00000	0.00000	0.00001	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
2-ETHOXYETHYL ACETATE	0.0	0.0	0.0	13.6	0.0	2
	0.00000	0.00000	0.00000	0.00008	0.00000	
	0.00000	0.00000	0.00000	0.00005	0.00000	
ETHOXYETHANOL	0.0	0.0	0.0	30.8	0.0	2
	0.00000	0.00000	0.00000	0.00019	0.00000	
	0.00000	0.00000	0.00000	0.00012	0.00000	
ETHYLENE OXIDE	0.0	0.0	0.0	84850.0	0.0	2
	0.00000	0.00000	0.00000	0.51200	0.00000	
	0.00000	0.00000	0.00000	0.33600	0.00000	
ETHYL BENZENE	0.0	0.0	0.0	0.0	9531.0	2
	0.00000	0.00000	0.00000	0.00000	0.01080	
	0.00000	0.00000	0.00000	0.00000	0.00979	
ETHYLENE GLYCOL	0.0	0.0	0.0	2276.0	0.0	2
	0.00000	0.00000	0.00000	0.01370	0.00000	
	0.00000	0.00000	0.00000	0.00902	0.00000	
ETHYLENE	0.0	0.0	24020.0	11440.0	0.0	2
	0.00000	0.00000	0.25900	0.06900	0.00000	
	0.00000	0.00000	0.10700	0.04530	0.00000	
ETHYL CHLORIDE - ETHYLENE HYDROCHLORINATION	0.0	0.0	0.0	5205.0	0.0	2
	0.00000	0.00000	0.00000	0.03140	0.00000	
	0.00000	0.00000	0.00000	0.02060	0.00000	
ETHYL ACRYLATE - DIRECT ESTERIFICATION	0.0	0.0	0.0	1207.0	0.0	2
	0.00000	0.00000	0.00000	0.00728	0.00000	
	0.00000	0.00000	0.00000	0.00478	0.00000	
ETHYL ACRYLATE - CARBONYLATION OF ACETYLENE	0.0	0.0	0.0	1217.0	1207.0	2
	0.00000	0.00000	0.00000	0.00734	0.00137	
	0.00000	0.00000	0.00000	0.00482	0.00124	
ETHYL ACETATE	0.0	0.0	0.0	461.5	0.0	2
	0.00000	0.00000	0.00000	0.00278	0.00000	
	0.00000	0.00000	0.00000	0.00183	0.00000	
ETHYL ETHER	0.0	0.0	0.0	74.8	0.0	2
	0.00000	0.00000	0.00000	0.00045	0.00000	
	0.00000	0.00000	0.00000	0.00030	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
ETHYLENE - PROPYLENE TERPOLYMER	0.0	0.0	0.0	16570.0	0.0	2
	0.00000	0.00000	0.00000	0.09990	0.00000	
	0.00000	0.00000	0.00000	0.06570	0.00000	
2-ETHYL-1-HEXANOL	0.0	0.0	0.0	41350.0	0.0	2
	0.00000	0.00000	0.00000	0.24900	0.00000	
	0.00000	0.00000	0.00000	0.16400	0.00000	
ETHYLENE-PROPYLENE RUBBER	0.0	0.0	0.0	7928.0	0.0	2
	0.00000	0.00000	0.00000	0.04780	0.00000	
	0.00000	0.00000	0.00000	0.03140	0.00000	
ETHYLENE DIAMINE	0.0	0.0	0.0	36.7	0.0	2
	0.00000	0.00000	0.00000	0.00022	0.00000	
	0.00000	0.00000	0.00000	0.00015	0.00000	
ETHYL BUTYRATE	0.0	0.0	0.0	0.3	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
ETHYLENE DIBROMIDE	0.0	0.0	0.0	357.8	0.0	2
	0.00000	0.00000	0.00000	0.00216	0.00000	
	0.00000	0.00000	0.00000	0.00142	0.00000	
ETHYLENE DICHLORIDE - ETHYLENE CHLORINATION	0.0	0.0	0.0	29820.0	0.0	2
	0.00000	0.00000	0.00000	0.18000	0.00000	
	0.00000	0.00000	0.00000	0.11 00	0.00000	
ETHYLENE DICHLORIDE - OXYCHLORINATION	0.0	0.0	0.0	73850.0	3524.0	2
	0.00000	0.00000	0.00000	0.44500	0.00400	
	0.00000	0.00000	0.00000	0.29300	0.00362	
ETHYL PYROPHOSPHATE - TEPP	0.0	0.0	0.0	0.4	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
EXFOLIATED VERMICULITE	1365.0	0.0	0.0	0.0	0.0	3
	0.00103	0.00000	0.00000	0.00000	0.00000	
	0.00103	0.00000	0.00000	0.00000	0.00000	
EXPLOSIVES BURNING	370.9	1071.0	752.1	463.6	0.0	1
	0.00028	0.00440	0.00811	0.00280	0.00000	
	0.00028	0.00440	0.00336	0.00184	0.00000	
FELTING WOOL FABRICS	0.2	0.0	0.0	0.0	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
FERROALLOY PRODUCTION	138300.0	0.0	0.0	0.0	0.0	3
	0.10500	0.00000	0.00000	0.00000	0.00000	
	0.10500	0.00000	0.00000	0.00000	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
FERTILIZER MIXING - AMMONIATION - GRANULATION PLANTS	1881.0	0.0	0.0	0.0	0.0	3
	0.00142	0.00000	0.00000	0.00000	0.00000	
	0.00142	0.00000	0.00000	0.00000	0.00000	
FERTILIZER MIXING - LIQUID MIX PLANTS	180.8	0.0	0.0	0.0	0.0	3
	0.00014	0.00000	0.00000	0.00000	0.00000	
	0.00014	0.00000	0.00000	0.00000	0.00000	
FERTILIZERS - BULK BLENDING PLANTS	2200.0	0.0	0.0	0.0	0.0	3
	0.00167	0.00000	0.00000	0.00000	0.00000	
	0.00167	0.00000	0.00000	0.00000	0.00000	
FINISHING COTTON FABRICS	0.0	0.0	0.0	296.4	0.0	2
	0.00000	0.00000	0.00000	0.00179	0.00000	
	0.00000	0.00000	0.00000	0.00117	0.00000	
FINISHING LINEN FABRICS	0.0	0.0	0.0	43.2	0.0	2
	0.00000	0.00000	0.00000	0.00026	0.00000	
	0.00000	0.00000	0.00000	0.00017	0.00000	
FINISHING NATURAL POLYMER FABRICS	0.0	0.0	0.0	564.4	0.0	2
	0.00000	0.00000	0.00000	0.00340	0.00000	
	0.00000	0.00000	0.00000	0.00224	0.00000	
FINISHING RAYON FABRICS	0.0	0.0	0.0	2258.0	0.0	2
	0.00000	0.00000	0.00000	0.01360	0.00000	
	0.00000	0.00000	0.00000	0.00895	0.00000	
FINISHING SILK FABRICS	0.0	0.0	0.0	37.7	0.0	2
	0.00000	0.00000	0.00000	0.00023	0.00000	
	0.00000	0.00000	0.00000	0.00015	0.00000	
FINISHING WOOL FABRICS	0.0	0.0	0.0	305.9	0.0	2
	0.00000	0.00000	0.00000	0.00184	0.00000	
	0.00000	0.00000	0.00000	0.00121	0.00000	
FINISHING SYNTHETIC POLYMER FABRICS	0.0	0.0	0.0	59.5	0.0	2
	0.00000	0.00000	0.00000	0.00036	0.00000	
	0.00000	0.00000	0.00000	0.00024	0.00000	
FISH AND SEAFOOD CANNING	0.0	0.0	0.0	340.3	0.0	2
	0.00000	0.00000	0.00000	0.00205	0.00000	
	0.00000	0.00000	0.00000	0.00135	0.00000	
FLUORINE	--	--	--	--	--	3
FOOD PREPARATION	499.7	0.0	0.0	0.0	2998.0	2
	0.00038	0.00000	0.00000	0.00000	0.00340	
	0.00038	0.00000	0.00000	0.00000	0.00308	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
FORMALDEHYDE	0.0	0.0	0.0	22500.0	0.0	2
	0.00000	0.00000	0.00000	0.13600	0.00000	
	0.00000	0.00000	0.00000	0.08910	0.00000	
FORMIC ACID	0.0	0.0	0.0	14.9	223.5	2
	0.00000	0.00000	0.00000	0.00009	0.00025	
	0.00000	0.00000	0.00000	0.00006	0.00023	
FRUIT AND VEGETABLE FREEZING	426.8	0.0	853.7	21340.0	0.0	2
	0.00032	0.00000	0.00921	0.12900	0.00000	
	0.00032	0.00000	0.00382	0.08460	0.00000	
FRUIT AND VEGETABLE CANNING	517.8	0.0	1036.0	25890.0	0.0	2
	0.00039	0.00000	0.01120	0.15600	0.00000	
	0.00039	0.00000	0.00463	0.10300	0.00000	
FUMARIC ACID	0.0	0.0	0.0	460.1	0.0	2
	0.00000	0.00000	0.00000	0.00277	0.00000	
	0.00000	0.00000	0.00000	0.00182	0.00000	
GAS FIRED LAUNDRY DRYING	817.0	25.8	3225.0	344.0	860.0	1
	0.00062	0.00011	0.03480	0.00207	0.00098	
	0.00062	0.00011	0.01440	0.00136	0.00088	
GAS FIRED AIR CONDITIONING	1826.0	57.7	7210.0	769.0	1923.0	1
	0.00138	0.00024	0.07780	0.00464	0.00218	
	0.00138	0.00024	0.03230	0.00305	0.00198	
GASOLINE DISTRIBUTION - AUTOMOBILE TANK LOADING	0.0	0.0	0.0	544300.0	0.0	2
	0.00000	0.00000	0.00000	3.28000	0.00000	
	0.00000	0.00000	0.00000	2.16000	0.00000	
GASOLINE DISTRIBUTION - SERVICE STATION TANKS	0.0	0.0	0.0	16330.0	0.0	2
	0.00000	0.00000	0.00000	0.09850	0.00000	
	0.00000	0.00000	0.00000	0.06470	0.00000	
GASOLINE DISTRIBUTION - TERMINAL LOADING AND STORAGE	0.0	0.0	0.0	4055.0	0.0	2
	0.00000	0.00000	0.00000	0.02450	0.00000	
	0.00000	0.00000	0.00000	0.01610	0.00000	
GILLING WOOL FIBRES	59.3	0.0	0.0	0.0	0.0	2
	0.00004	0.00000	0.00000	0.00000	0.00000	
	0.00004	0.00000	0.00000	0.00000	0.00000	
GLASS INDUSTRY	24730.0	26410.0	68160.0	3289.0	8520.0	3
	0.01870	0.10800	0.73500	0.01980	0.00967	
	0.01870	0.10800	0.30500	0.01300	0.00875	
GLYCERIN - ACROLEIN	0.0	0.0	0.0	340.2	0.0	2
	0.00000	0.00000	0.00000	0.00205	0.00000	
	0.00000	0.00000	0.00000	0.00135	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
GLYCERIN TRIPOLYOXYPROPYLENE ETHER	0.0	0.0	0.0	261.3	0.0	2
	0.00000	0.00000	0.00000	0.00158	0.00000	
	0.00000	0.00000	0.00000	0.00104	0.00000	
GLYCERIN - ALLYL ALCOHOL	0.0	0.0	0.0	743.0	0.0	2
	0.00000	0.00000	0.00000	0.00448	0.00000	
	0.00000	0.00000	0.00000	0.00294	0.00000	
GLYCERIN - ALLYL CHLORIDE	0.0	0.0	0.0	1043.0	0.0	2
	0.00000	0.00000	0.00000	0.00629	0.00000	
	0.00000	0.00000	0.00000	0.00413	0.00000	
GLYCERIN - EPICHLOROHYDRIN	0.0	0.0	0.0	103.2	0.0	2
	0.00000	0.00000	0.00000	0.00062	0.00000	
	0.00000	0.00000	0.00000	0.00041	0.00000	
GRAIN HARVESTING	451500.0					4
	0.34200					
	0.34200					
GUTHION	0.0	0.0	0.0	0.0	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
GYPSUM	99410.0	0.0	0.0	0.0	0.0	3
	0.07530	0.00000	0.00000	0.00000	0.00000	
	0.07530	0.00000	0.00000	0.00000	0.00000	
H V TRANSMISSION LINES						
HANDLING OF CONCRETE PRODUCTS	28540.0					4
	0.02160					
	0.02160					
HANDLING OF GRAIN	2935000.0					4
	2.22000					
	2.22000					
HEPTACHLOR	0.0	0.0	0.0	32.2	0.0	2
	0.00000	0.00000	0.00000	0.00019	0.00000	
	0.00000	0.00000	0.00000	0.00013	0.00000	
HEPTENE	0.0	0.0	0.0	136.1	0.0	2
	0.00000	0.00000	0.00000	0.00082	0.00000	
	0.00000	0.00000	0.00000	0.00054	0.00000	
HEXACHLOROBENZENE	0.0	0.0	0.0	1.5	0.0	2
	0.00000	0.00000	0.00000	0.00001	0.00000	
	0.00000	0.00000	0.00000	0.00001	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
HEXAMETHYLENETETRAMINE	0.0	0.0	0.0	276.3	0.0	2
	0.00000	0.00000	0.00000	0.00167	0.00000	
	0.00000	0.00000	0.00000	0.00109	0.00000	
HEXAMETHYLENEDIAMINE - ADIPONITRILE	0.0	0.0	0.0	13.9	0.0	2
	0.00000	0.00000	0.00000	0.00008	0.00000	
	0.00000	0.00000	0.00000	0.00006	0.00000	
HOSPITAL WASTE INCINERATION	358.4	59.7	59.7	358.4	448.0	1
	0.00027	0.00024	0.00064	0.00216	0.00051	
	0.00027	0.00024	0.00027	0.00142	0.00046	
HYDRAZINE	--	--	--	--	--	3
HYDROCHLORIC ACID	--	--	--	--	--	3
HYDROQUINONE	0.0	0.0	0.0	12.0	0.0	2
	0.00000	0.00000	0.00000	0.00007	0.00000	
	0.00000	0.00000	0.00000	0.00005	0.00000	
HYDROXYLAMINE	0.0	0.0	0.0	0.0	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
HYDROXYLAMINE SULFATE	0.0	0.0	0.0	0.0	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
HYDROFLUORIC ACID	2350.0	0.0	0.0	0.0	0.0	3
	0.00178	0.00000	0.00000	0.00000	0.00000	
	0.00178	0.00000	0.00000	0.00000	0.00000	
HYDROGEN CYANIDE	0.0	0.0	365.4	0.0	0.0	3
	0.00000	0.00000	0.00394	0.00000	0.00000	
	0.00000	0.00000	0.00163	0.00000	0.00000	
INCINERATION OF "TYPE 4" WASTE	221.8	0.0	433.2	2.1	71.0	1
	0.00017	0.00000	0.00467	0.00001	0.00008	
	0.00017	0.00000	0.00194	0.00001	0.00007	
INCINERATION OF "TYPE 0" WASTE	12040.0	2007.0	1606.0	12040.0	16060.0	1
	0.00912	0.00824	0.01730	0.07260	0.01820	
	0.00912	0.00824	0.00718	0.04770	0.01650	
INCINERATION OF "TYPE 1" WASTE	50150.0	8358.0	6686.0	50150.0	66860.0	1
	0.03800	0.03430	0.07210	0.30200	0.07590	
	0.03800	0.03430	0.02990	0.19900	0.06870	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
INCINERATION OF "TYPE 2" WASTE	27620.0	2302.0	2762.0	1381.0	32230.0	1
	0.02090	0.00945	0.02980	0.00833	0.03660	
	0.02090	0.00945	0.01240	0.00547	0.03310	
INCINERATION OF "TYPE 3" WASTE	7757.0	646.4	775.7	387.8	9049.0	1
	0.00588	0.00265	0.00837	0.00234	0.01030	
	0.00588	0.00265	0.00347	0.00154	0.00930	
INCINERATION OF "TYPE 5" WASTE	1416.0	0.0	5244.0	196.6	13.1	1
	0.00107	0.00000	0.05660	0.00119	0.00001	
	0.00107	0.00000	0.02350	0.00078	0.00001	
INCINERATION OF "TYPE 6" WASTE	36060.0	6010.0	4808.0	36060.0	48080.0	1
	0.02730	0.02470	0.05190	0.21700	0.05460	
	0.02730	0.02470	0.02150	0.14300	0.04940	
INDUSTRIAL EXT COMB BITUMINOUS PULV DRY BOTM	907700.0	1271000.0	263400.0	10890.0	23610.0	1
	0.68800	5.22000	2.84000	0.06570	0.02680	
	0.68800	5.22000	1.18000	0.04320	0.02430	
INDUSTRIAL EXT COMB BITUMINOUS PULV WET BOTM	190600.0	263100.0	52620.0	2267.0	4721.0	1
	0.14400	1.08000	0.56800	0.01370	0.00536	
	0.14400	1.08000	0.23500	0.00898	0.00485	
INDUSTRIAL EXT COMB BITUMINOUS CYCLONE	57140.0	78940.0	10900.0	680.4	1448.0	1
	0.04330	0.32400	0.11800	0.00410	0.00164	
	0.04330	0.32400	0.04880	0.00270	0.00149	
INDUSTRIAL EXT COMB BITUMINOUS STOKER	726100.0	997700.0	227300.0	8613.0	18180.0	1
	0.55000	4.10000	2.45000	0.05190	0.02060	
	0.55000	4.10000	1.02000	0.03410	0.01870	
INDUSTRIAL EXT COMB ANTHRACITE STOKER	5713.0	6621.0	1717.0	49.9	1542.0	1
	0.00433	0.02720	0.01850	0.00030	0.00175	
	0.00433	0.02720	0.00768	0.00020	0.00158	
INDUSTRIAL EXT COMB LIGNITE STOKER	78910.0	31720.0	16380.0	1270.0	12700.0	1
	0.05980	0.13000	0.17700	0.00766	0.01440	
	0.05980	0.13000	0.07330	0.00503	0.01300	
INDUSTRIAL EXT COMB RESID OIL TANG FIRE	7731.0	145400.0	37180.0	638.1	3448.0	1
	0.00586	0.59700	0.40100	0.00385	0.00391	
	0.00586	0.59700	0.16600	0.00253	0.00354	
INDUSTRIAL EXT COMB RESID OIL OTHER	41870.0	763400.0	197800.0	2722.0	13590.0	1
	0.03170	3.14000	2.13000	0.01640	0.01540	
	0.03170	3.14000	0.88500	0.01080	0.01400	
INDUSTRIAL EXT COMB DIST OIL TANG FIRE	362.9	5443.0	4986.0	199.9	998.5	1
	0.00027	0.02240	0.05380	0.00121	0.00113	
	0.00027	0.02240	0.02230	0.00079	0.00103	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
INDUSTRIAL EXT COMB DIST OIL OTHER	2177.0	31730.0	25430.0	1091.0	5445.0	1
	0.00165	0.13000	0.27400	0.00658	0.00618	
	0.00165	0.13000	0.11400	0.00432	0.00559	
INDUSTRIAL EXT COMB GAS TANG FIRE	2268.0	127.1	38070.0	699.5	3715.0	1
	0.00172	0.00052	0.41100	0.00422	0.00422	
	0.00172	0.00052	0.17000	0.00277	0.00382	
INDUSTRIAL EXT COMB GAS OTHER	19960.0	1179.0	344600.0	6256.0	33640.0	1
	0.01510	0.00484	3.72000	0.03770	0.03820	
	0.01510	0.00484	1.54000	0.02480	0.03460	
INDUSTRIAL EXT COMB REFUSE	228900.0	16390.0	131900.0	33150.0	35900.0	1
	0.17300	0.06730	1.42000	0.19900	0.04070	
	0.17300	0.06730	0.59000	0.13100	0.03690	
INDUSTRIAL INT COMB DIST OIL TURBINE	1539.0	2897.0	10890.0	0.0	0.0	1
	0.00117	0.01190	0.11800	0.00000	0.00000	
	0.00117	0.01190	0.04870	0.00000	0.00000	
INDUSTRIAL INT COMB GAS TURBINE	0.0	226.7	226700.0	0.0	0.0	1
	0.00000	0.00093	2.45000	0.00000	0.00000	
	0.00000	0.00093	1.01000	0.00000	0.00000	
INDUSTRIAL INT COMB DIST OIL RECIP ENG	3358.0	3264.0	47100.0	3810.0	9979.0	1
	0.00254	0.01340	0.50800	0.02300	0.01130	
	0.00254	0.01340	0.21100	0.01510	0.01030	
INDUSTRIAL INT COMB GAS RECIP ENG	0.0	154.4	190500.0	0.0	0.0	1
	0.00000	0.00063	2.06000	0.00000	0.00000	
	0.00000	0.00063	0.85200	0.00000	0.00000	
INDUSTRIAL SAND HANDLING	3560.0					4
	0.00270					
	0.00270					
IRON FOUNDRIES	153600.0	0.0	0.0	0.0	1287000.0	3
	0.11600	0.00000	0.00000	0.00000	1.46000	
	0.11600	0.00000	0.00000	0.00000	1.32000	
IRON CHLORIDE - FERRIC	34.9	0.0	0.0	0.0	0.0	3
	0.00003	0.00000	0.00000	0.00000	0.00000	
	0.00003	0.00000	0.00000	0.00000	0.00000	
IRON OXIDE - PIGMENTS	--	--	--	--	--	3
ISOCYANATES	360.5	9.1	0.0	584.1	38810.0	2
	0.00027	0.00004	0.00000	0.00352	0.04400	
	0.00027	0.00004	0.00000	0.00231	0.03990	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
ISOOCTAL ALCOHOLS	0.0	0.0	0.0	43.1	64.6	2
	0.00000	0.00000	0.00000	0.00026	0.00007	
	0.00000	0.00000	0.00000	0.00017	0.00007	
ISOPHTHALIC ACID	0.0	0.0	0.0	104.3	547.7	2
	0.00000	0.00000	0.00000	0.00063	0.00062	
	0.00000	0.00000	0.00000	0.00041	0.00056	
ISOPROPYL ACETATE	0.0	0.0	0.0	18.1	0.0	2
	0.00000	0.00000	0.00000	0.00011	0.00000	
	0.00000	0.00000	0.00000	0.00007	0.00000	
ISOPRENE - 2-METHYL-1,3-BUTADIENE	0.0	0.0	0.0	177.3	0.0	2
	0.00000	0.00000	0.00000	0.00107	0.00000	
	0.00000	0.00000	0.00000	0.00070	0.00000	
ISOPROPANOL - DIRECT HYDRATION	0.0	0.0	0.0	9.3	0.0	2
	0.00000	0.00000	0.00000	0.00006	0.00000	
	0.00000	0.00000	0.00000	0.00004	0.00000	
JET ENGINE TESTING	268.5	112.6	330.8	472.5	1220.0	1
	0.00020	0.00046	0.00357	0.00285	0.00138	
	0.00020	0.00046	0.00148	0.00187	0.00125	
KELTHANE	0.0	0.0	0.0	1.9	0.0	2
	0.00000	0.00000	0.00000	0.00001	0.00000	
	0.00000	0.00000	0.00000	0.00001	0.00000	
KETONE ALCOHOL OIL	0.0	0.0	0.0	389.9	431.7	2
	0.00000	0.00000	0.00000	0.00235	0.00049	
	0.00000	0.00000	0.00000	0.00154	0.00044	
LAND CLEARING - OPEN BURNING	--	--	--	--	--	1
LEAD CARBONATE AND SULFATE - WHITE LEAD	2.3	0.0	0.0	0.0	0.0	3
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
LEAD OXIDE - RED LEAD AND LITHARGE - PIGMENTS ONLY	37.1	0.0	0.0	0.0	0.0	3
	0.00003	0.00000	0.00000	0.00000	0.00000	
	0.00003	0.00000	0.00000	0.00000	0.00000	
LEAD CHROMATE - CHROME YELLOW AND ORANGE	1.5	0.0	0.0	0.0	0.0	3
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
LEAD COMPOUNDS - HALIDES, HYDROXIDES, DIOXIDE, NITRATE, ETC.	0.5	0.0	0.0	0.0	0.0	3
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
LEAD ARSENATE - ACID ORTHO-ARSENATE - BASIC ORTHO-ARSENATE	0.2	0.0	0.0	0.0	0.0	3
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
LEATHER	440.0	440.0	110.0	1100.0	44.0	2
	0.00033	0.00181	0.00119	0.00663	0.00005	
	0.00033	0.00181	0.00049	0.00436	0.00005	
LIME KILNS	312400.0	0.0	0.0	0.0	0.0	3
	0.23700	0.00000	0.00000	0.00000	0.00000	
	0.23700	0.00000	0.00000	0.00000	0.00000	
LINDANE	5.4	0.0	0.0	2.7	0.0	2
	0.00000	0.00000	0.00000	0.00002	0.00000	
	0.00000	0.00000	0.00000	0.00001	0.00000	
LINEAR ALKYLBENZENE	0.0	0.0	0.0	13.7	0.0	2
	0.00000	0.00000	0.00000	0.00008	0.00000	
	0.00000	0.00000	0.00000	0.00005	0.00000	
LINEAR ALCOHOLS - ZIEGLER PROCESS	0.0	0.0	0.0	59.0	0.0	2
	0.00000	0.00000	0.00000	0.00036	0.00000	
	0.00000	0.00000	0.00000	0.00023	0.00000	
LITHIUM SALTS - LITHIUM CARBONATE AND LITHIUM HYDROXIDE	3.2	0.0	0.0	0.0	0.0	3
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
LOADING OF SAND AND GRAVEL	20860.0					4
	0.01580					
	0.01580					
LOADING HYDRAULIC CEMENT	3117.0					4
	0.00236					
	0.00236					
LOADING READY-MIX CEMENT	5341.0					4
	0.00405					
	0.00405					
LOADING OF FINISHED CLAY	258.6					4
	0.00020					
	0.00020					
LOADING LIME	356.3					4
	0.00027					
	0.00027					
MAGNESIUM COMPOUNDS - CARBONATE, CHLORIDE, OXIDE & HYDROXIDE	3033.0	0.0	0.0	0.0	0.0	3
	0.00230	0.00000	0.00000	0.00000	0.00000	
	0.00230	0.00000	0.00000	0.00000	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
MALATHION	0.0	0.0	0.0	40.8	0.0	2
	0.00000	0.00000	0.00000	0.00025	0.00000	
	0.00000	0.00000	0.00000	0.00016	0.00000	
MALEIC ANHYDRIDE FROM BENZENE	0.0	0.0	0.0	16630.0	99030.0	2
	0.00000	0.00000	0.00000	0.10000	0.11200	
	0.00000	0.00000	0.00000	0.06590	0.10200	
MALT BEVERAGE PRODUCTION	108500.0	0.0	0.0	67810.0	0.0	2
	0.08220	0.00000	0.00000	0.40900	0.00000	
	0.08220	0.00000	0.00000	0.26900	0.00000	
MANGANESE SULFATE	34.8	0.0	0.0	0.0	0.0	3
	0.00003	0.00000	0.00000	0.00000	0.00000	
	0.00003	0.00000	0.00000	0.00000	0.00000	
MANUFACTURE OF ASBESTOS PRODUCTS - WEAVING	13.7	0.0	0.0	0.0	0.0	2
	0.00001	0.00000	0.00000	0.00000	0.00000	
	0.00001	0.00000	0.00000	0.00000	0.00000	
MANUFACTURE OF COTTON FABRICS	1075.0	0.0	0.0	0.0	0.0	2
	0.00081	0.00000	0.00000	0.00000	0.00000	
	0.00081	0.00000	0.00000	0.00000	0.00000	
MANUFACTURE OF LINEN CLOTH	1.8	0.0	0.0	0.0	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
MANUFACTURE AND PROCESSING OF ROPE	46.7	0.0	0.0	0.0	0.0	2
	0.00004	0.00000	0.00000	0.00000	0.00000	
	0.00004	0.00000	0.00000	0.00000	0.00000	
MANUFACTURE OF WOOL CLOTH	22.1	0.0	0.0	0.0	0.0	2
	0.00002	0.00000	0.00000	0.00000	0.00000	
	0.00002	0.00000	0.00000	0.00000	0.00000	
MEAT SMOKEHOUSES	68.1	0.0	0.0	102.1	0.0	2
	0.00005	0.00000	0.00000	0.00062	0.00000	
	0.00005	0.00000	0.00000	0.00040	0.00000	
MELAMINE	52.0	0.0	0.0	0.0	0.0	2
	0.00004	0.00000	0.00000	0.00000	0.00000	
	0.00004	0.00000	0.00000	0.00000	0.00000	
MERCURY COMPOUNDS - HALIDES, NITRATES, OXIDES, ETC.	0.5	0.0	0.0	0.0	0.0	3
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
METHANOL	0.0	0.0	0.0	17090.0	17090.0	2
	0.00000	0.00000	0.00000	0.10300	0.01940	
	0.00000	0.00000	0.00000	0.06270	0.01760	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
METHYL CHLORIDE	0.0	0.0	0.0	3817.0	0.0	2
	0.00000	0.00000	0.00000	0.02300	0.00000	
	0.00000	0.00000	0.00000	0.01510	0.00000	
METHYL MERCAPTAN	0.0	0.0	0.0	4.5	0.0	2
	0.00000	0.00000	0.00000	0.00003	0.00000	
	0.00000	0.00000	0.00000	0.00002	0.00000	
MEVINPHOS	0.1	0.0	0.0	0.0	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
MINERAL WOOL	166700.0	16920.0	8061.0	0.0	3735.0	3
	0.12600	0.06950	0.08700	0.00000	0.00424	
	0.12600	0.06950	0.03610	0.00000	0.00384	
MINING AND BLASTING OF ASBESTOS ORE	415.6					4
	0.00031					
	0.00031					
MISCELLANEOUS SODIUM COMPOUNDS	56.7	0.0	0.0	0.0	0.0	3
	0.00004	0.00000	0.00000	0.00000	0.00000	
	0.00004	0.00000	0.00000	0.00000	0.00000	
MIXED LINEAR ALCOHOL	0.0	0.0	0.0	481.4	240.7	2
	0.00000	0.00000	0.00000	0.00290	0.00027	
	0.00000	0.00000	0.00000	0.00191	0.00025	
MIXED OLEFINIC PRODUCT	--	--	--	--	--	2
MIXED CRESOLS	0.0	0.0	65.1	31.0	0.0	2
	0.00000	0.00000	0.00070	0.00019	0.00000	
	0.00000	0.00000	0.00029	0.00012	0.00000	
MODACRYLIC FIBERS	0.0	0.0	0.0	317.5	0.0	2
	0.00000	0.00000	0.00000	0.00191	0.00000	
	0.00000	0.00000	0.00000	0.00126	0.00000	
MONOETHYLAMINE	0.0	0.0	0.0	6.4	0.0	2
	0.00000	0.00000	0.00000	0.00004	0.00000	
	0.00000	0.00000	0.00000	0.00003	0.00000	
MONOSODIUM GLUTAMATE	0.0	0.0	0.0	9.6	0.0	2
	0.00000	0.00000	0.00000	0.00006	0.00000	
	0.00000	0.00000	0.00000	0.00004	0.00000	
MUNICIPAL DUMPS - OPEN BURNING	--	--	--	--	--	1

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
METHANEARSONIC ACID - DISODIUM SALT - DSMA	0.0	0.0	0.0	5.6	0.0	2
	0.00000	0.00000	0.00000	0.00003	0.00000	
	0.00000	0.00000	0.00000	0.00002	0.00000	
METHANEARSONIC ACID - CALCIUM SALT - CALAR	0.0	0.0	0.0	1.4	0.0	2
	0.00000	0.00000	0.00000	0.00001	0.00000	
	0.00000	0.00000	0.00000	0.00001	0.00000	
METHANEARSONIC ACID - MONOSODIUM SALT - MSMA	0.0	0.0	0.0	4.2	0.0	2
	0.00000	0.00000	0.00000	0.00003	0.00000	
	0.00000	0.00000	0.00000	0.00002	0.00000	
METHANEARSONIC ACID - DODECYL AND OCTYL AMMONIUM SALTS	0.0	0.0	0.0	2.8	0.0	2
	0.00000	0.00000	0.00000	0.00002	0.00000	
	0.00000	0.00000	0.00000	0.00001	0.00000	
2-METHOXYETHANOL	0.0	0.0	0.0	43.8	0.0	2
	0.00000	0.00000	0.00000	0.00026	0.00000	
	0.00000	0.00000	0.00000	0.00017	0.00000	
METHYLENE CHLORIDE - CHLORINATION OF METHANE	0.0	0.0	0.0	4241.0	0.0	2
	0.00000	0.00000	0.00000	0.02560	0.00000	
	0.00000	0.00000	0.00000	0.01680	0.00000	
METHYLENE DIPHENYLDIISOCYANATE	--	--	--	--	--	2
METHYL METHACRYLATE	0.0	0.0	0.0	23440.0	0.0	2
	0.00000	0.00000	0.00000	0.14100	0.00000	
	0.00000	0.00000	0.00000	0.09290	0.00000	
METHYL ISOBUTYL KETONE	0.0	0.0	0.0	5248.0	0.0	2
	0.00000	0.00000	0.00000	0.03160	0.00000	
	0.00000	0.00000	0.00000	0.02080	0.00000	
METHYL ACETATE	0.0	0.0	0.0	4.1	0.0	2
	0.00000	0.00000	0.00000	0.00002	0.00000	
	0.00000	0.00000	0.00000	0.00002	0.00000	
METHYL ETHYL KETONE	0.0	0.0	0.0	159.9	0.0	2
	0.00000	0.00000	0.00000	0.00096	0.00000	
	0.00000	0.00000	0.00000	0.00063	0.00000	
METHYL PARATHION	0.0	0.0	0.0	84.9	0.0	2
	0.00000	0.00000	0.00000	0.00051	0.00000	
	0.00000	0.00000	0.00000	0.00034	0.00000	
METHYL BROMIDE	0.0	0.0	0.0	6.4	0.0	2
	0.00000	0.00000	0.00000	0.00004	0.00000	
	0.00000	0.00000	0.00000	0.00003	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
MUNICIPAL INCINERATION	227300.0	18940.0	22730.0	11360.0	265100.0	1
	0.17200	0.07780	0.24500	0.06850	0.30100	
	0.17200	0.07780	0.10200	0.04500	0.27200	
NAPHTHALENE - COAL TAR	0.0	200.9	0.0	1205.0	0.0	2
	0.00000	0.00082	0.00000	0.00727	0.00000	
	0.00000	0.00082	0.00000	0.00477	0.00000	
NAPHTHALENE	0.0	0.0	733.5	349.3	0.0	2
	0.00000	0.00000	0.00791	0.00211	0.00000	
	0.00000	0.00000	0.00328	0.00138	0.00000	
NAPHTHENIC ACID - COPPER SALT	0.0	0.0	0.0	1.5	0.0	2
	0.00000	0.00000	0.00000	0.00001	0.00000	
	0.00000	0.00000	0.00000	0.00001	0.00000	
NATURAL FIRES	--	--	--	--	--	1
NATURAL GAS DISTRIBUTION	0.0	0.0	0.0	905000.0	0.0	2
	0.00000	0.00000	0.00000	5.46000	0.00000	
	0.00000	0.00000	0.00000	3.59000	0.00000	
NATURAL GAS EXTRACTION	0.0	0.0	0.0	54370.0	0.0	2
	0.00000	0.00000	0.00000	0.32800	0.00000	
	0.00000	0.00000	0.00000	0.21500	0.00000	
NATURAL GAS PROCESSING	0.0	571500.0	0.0	762000.0	0.0	2
	0.00000	2.35000	0.00000	4.59000	0.00000	
	0.00000	2.35000	0.00000	3.02000	0.00000	
NICKEL COMPOUNDS - EXCEPT NICKEL SULFATE	2.7	0.0	0.0	0.0	0.0	3
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
NICKEL SULFATE	9.9	0.0	0.0	0.0	0.0	3
	0.00001	0.00000	0.00000	0.00000	0.00000	
	0.00001	0.00000	0.00000	0.00000	0.00000	
NITRIC ACID	0.0	0.0	27050.0	0.0	0.0	3
	0.00000	0.00000	0.29200	0.00000	0.00000	
	0.00000	0.00000	0.12100	0.00000	0.00000	
NITROBENZENE	0.0	0.0	102.2	3392.0	0.0	2
	0.00000	0.00000	0.00110	0.02050	0.00000	
	0.00000	0.00000	0.00046	0.01340	0.00000	
P-NITROPHENOL	0.0	0.0	22.5	33.8	0.0	2
	0.00000	0.00000	0.00024	0.00020	0.00000	
	0.00000	0.00000	0.00010	0.00013	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
NITROGLYCERINE	0.0	0.0	0.9	0.0	0.0	2
	0.00000	0.00000	0.00001	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
NITROCELLULOSE	0.0	29.5	18.6	0.0	0.0	2
	0.00000	0.00012	0.00020	0.00000	0.00000	
	0.00000	0.00012	0.00008	0.00000	0.00000	
NITROCHLOROBENZENE	0.0	0.0	27.8	99.0	0.0	2
	0.00000	0.00000	0.00030	0.00060	0.00000	
	0.00000	0.00000	0.00012	0.00039	0.00000	
NITROPARAFINS	0.0	0.0	7.1	0.0	0.0	2
	0.00000	0.00000	0.00008	0.00000	0.00000	
	0.00000	0.00000	0.00003	0.00000	0.00000	
NITROANILINE	0.0	2.9	2.9	2.9	0.0	2
	0.00000	0.00001	0.00003	0.00002	0.00000	
	0.00000	0.00001	0.00001	0.00001	0.00000	
NONENE - NON-LINEAR	0.0	0.0	0.0	707.6	0.0	2
	0.00000	0.00000	0.00000	0.00427	0.00000	
	0.00000	0.00000	0.00000	0.00280	0.00000	
NONYLPHENOL	0.0	0.0	0.0	80.6	0.0	2
	0.00000	0.00000	0.00000	0.00049	0.00000	
	0.00000	0.00000	0.00000	0.00032	0.00000	
NYLON 66	19050.0	0.0	31.8	2858.0	0.0	2
	0.01440	0.00000	0.00034	0.01720	0.00000	
	0.01440	0.00000	0.00014	0.01130	0.00000	
NYLON 6	9089.0	0.0	15.1	1363.0	0.0	2
	0.00688	0.00000	0.00016	0.00822	0.00000	
	0.00688	0.00000	0.00007	0.00540	0.00000	
N-OCTYL-N-DECYL PHTHALATE	0.0	0.0	0.0	26.7	0.0	2
	0.00000	0.00000	0.00000	0.00016	0.00000	
	0.00000	0.00000	0.00000	0.00011	0.00000	
OCTYLPHENOL	0.0	0.0	0.0	1.6	0.0	2
	0.00000	0.00000	0.00000	0.00001	0.00000	
	0.00000	0.00000	0.00000	0.00001	0.00000	
OLEIC ACID	0.0	0.0	0.0	29.9	0.0	2
	0.00000	0.00000	0.00000	0.00018	0.00000	
	0.00000	0.00000	0.00000	0.00012	0.00000	
ON SITE BURNING - OPEN BURNING	--	--	--	--	--	1

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
OPEN BURNING OF AUTO BODIES	--	--	--	--	--	1
OPEN PIT INCINERATION	911.7	44.2	159.9	0.0	0.0	1
	0.00069	0.00018	0.00173	0.00000	0.00000	
	0.00069	0.00018	0.00071	0.00000	0.00000	
OPEN BURNING OF INDUSTRIAL WASTE	13140.0	821.0	4926.0	24630.0	69790.0	1
	0.00995	0.00337	0.05310	0.14900	0.07920	
	0.00995	0.00337	0.02200	0.09760	0.07170	
OPEN BURNING OF JET FUEL	288.9	0.0	74.3	288.9	825.6	1
	0.00022	0.00000	0.00080	0.00174	0.00094	
	0.00022	0.00000	0.00033	0.00114	0.00085	
OPEN BURNING OF WOOD WASTE	3950.0	0.0	464.7	929.4	11620.0	1
	0.00299	0.00000	0.00501	0.00560	0.01320	
	0.00299	0.00000	0.00208	0.00366	0.01190	
OPEN BURNING OF RAIL CARS	1644.0	0.0	193.5	386.9	4837.0	1
	0.00125	0.00000	0.00209	0.00233	0.00549	
	0.00125	0.00000	0.00086	0.00153	0.00497	
OPEN STORAGE OF SAND AND GRAVEL	45880.0					4
	0.03480					
	0.03480					
OPEN MINING AND STORAGE OF MICA	59.4					4
	0.00004					
	0.00004					
OPEN MINING AND GRINDING OF PUMICE	451.2					4
	0.00034					
	0.00034					
OPEN CLAY MINING	25.9					4
	0.00002					
	0.00002					
OPEN MINING OF COAL	234900.0					4
	0.17800					
	0.17800					
OPEN MINING OF TALC	566.1					4
	0.00043					
	0.00043					
ORCHARD HEATING	75250.0	220500.0	0.0	0.0	4242000.0	1
	0.05700	0.90600	0.00000	0.00000	4.81000	
	0.05700	0.90600	0.00000	0.00000	4.36000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
OXALIC ACID	17.1	0.0	42.9	0.0	0.0	2
	0.00001	0.00000	0.00046	0.00000	0.00000	
	0.00001	0.00000	0.00019	0.00000	0.00000	
OXO MIXED LINEAR ALCOHOLS	3.9	0.0	31.3	2374.0	8813.0	2
	0.00000	0.00000	0.00034	0.01430	0.01000	
	0.00000	0.00000	0.00014	0.00940	0.00905	
OXO PROCESS	3.8	0.0	30.5	2308.0	8571.0	2
	0.00000	0.00000	0.00033	0.01390	0.00973	
	0.00000	0.00000	0.00014	0.00915	0.00880	
PAINT MANUFACTURING	476.2	0.0	0.0	7143.0	0.0	2
	0.00036	0.00000	0.00000	0.04310	0.00000	
	0.00036	0.00000	0.00000	0.02830	0.00000	
PAPER MILL BUILDING EMISSIONS						
N-PARAFFINS	0.0	0.0	800.2	381.0	0.0	2
	0.00000	0.00000	0.00863	0.00230	0.00000	
	0.00000	0.00000	0.00358	0.00151	0.00000	
N-PARAFFIN CHLORIDE	0.0	0.0	0.0	66.5	0.0	2
	0.00000	0.00000	0.00000	0.00040	0.00000	
	0.00000	0.00000	0.00000	0.00026	0.00000	
PARAFORMALDEHYDE	0.0	0.0	0.0	4.5	0.0	2
	0.00000	0.00000	0.00000	0.00003	0.00000	
	0.00000	0.00000	0.00000	0.00002	0.00000	
PARATHION APPLICATION ON CROPS						
PENICILLIN G - PROCAINE	0.0	0.0	0.0	0.2	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
PENICILLIN G - POTASSIUM	0.0	0.0	0.0	1.0	0.0	2
	0.00000	0.00000	0.00000	0.00001	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
PENTAERYTHRITOL	0.0	0.0	0.0	979.8	0.0	2
	0.00000	0.00000	0.00000	0.00591	0.00000	
	0.00000	0.00000	0.00000	0.00388	0.00000	
PENTAERYTHRIOL TETRANITRATE	0.0	0.0	9.3	5.6	0.0	2
	0.00000	0.00000	0.00010	0.00003	0.00000	
	0.00000	0.00000	0.00004	0.00002	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
PENTACHLOROPHENYL - PCP	0.0	0.0	0.0	28.7	0.0	2
	0.00000	0.00000	0.00000	0.00017	0.00000	
	0.00000	0.00000	0.00000	0.00011	0.00000	
PERCHLOROETHYLENE - FROM TRICHLOROETHYLENE	0.0	0.0	0.0	271.9	0.0	2
	0.00000	0.00000	0.00000	0.00164	0.00000	
	0.00000	0.00000	0.00000	0.00108	0.00000	
PERCHLOROETHYLENE - CHLORINATION OF PROPANE	--	--	--	--	--	2
PERLITE MANUFACTURING	1935.0	0.0	0.0	0.0	0.0	3
	0.00147	0.00000	0.00000	0.00000	0.00000	
	0.00147	0.00000	0.00000	0.00000	0.00000	
PETROLEUM EXTRACTION	0.0	0.0	0.0	111500.0	0.0	2
	0.00000	0.00000	0.00000	0.67200	0.00000	
	0.00000	0.00000	0.00000	0.44200	0.00000	
PETROLEUM REFINING - ALKYLATION	1.4	11.6	2.3	0.3	0.2	2
	0.00000	0.00005	0.00002	0.00000	0.00000	
	0.00000	0.00005	0.00001	0.00000	0.00000	
PETROLEUM REFINING - AROMATICS/ISOMERIZATION	6.3	17.9	8.9	0.8	0.9	2
	0.00000	0.00007	0.00010	0.00000	0.00000	
	0.00000	0.00007	0.00004	0.00000	0.00000	
PETROLEUM REFINING - ASPHALT PLANT	5852.0	4755.0	0.0	7498.0	31090.0	2
	0.00443	0.01950	0.00000	0.04520	0.03530	
	0.00443	0.01950	0.00000	0.02970	0.03190	
PETROLEUM REFINING - BLENDING AND STORAGE	0.0	0.0	0.0	215600.0	0.0	2
	0.00000	0.00000	0.00000	1.30000	0.00000	
	0.00000	0.00000	0.00000	0.85400	0.00000	
PETROLEUM REFINING - CATALYTIC CRACKING	41480.0	488800.0	60730.0	208900.0	1185.0	2
	0.03140	2.01000	0.65500	1.26000	0.00134	
	0.03140	2.01000	0.27200	0.82800	0.00122	
PETROLEUM REFINING - CATALYTIC HYDROREFINING (HDS)	1202.0	2518.0	2146.0	85.8	200.3	2
	0.00091	0.01030	0.02320	0.00052	0.00023	
	0.00091	0.01030	0.00960	0.00034	0.00021	
PETROLEUM REFINING - CATALYTIC REFORMING	1667.0	3427.0	2872.0	185.3	277.9	2
	0.00126	0.01410	0.03100	0.00112	0.00031	
	0.00126	0.01410	0.01280	0.00073	0.00028	
PETROLEUM REFINING - CRUDE DISTILLATION	34820.0	278600.0	69640.0	6840.0	6964.0	2
	0.02640	1.14000	0.75100	0.04120	0.00790	
	0.02640	1.14000	0.31200	0.02710	0.00715	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
PETROLEUM REFINING - FLARES	0.0	62180.0	7876.0	1534.0	2985.0	2
	0.00000	0.25500	0.08500	0.00925	0.00339	
	0.00000	0.25500	0.03520	0.00608	0.00307	
PETROLEUM REFINING - FUGITIVE EMISSIONS	0.0	0.0	0.0	912000.0	0.0	2
	0.00000	0.00000	0.00000	5.50000	0.00000	
	0.00000	0.00000	0.00000	3.61000	0.00000	
PETROLEUM REFINING - SULFUR PLANT	0.0	28810.0	0.0	0.0	28810.0	2
	0.00000	0.11800	0.00000	0.00000	0.03270	
	0.00000	0.11800	0.00000	0.00000	0.02960	
PETROLEUM REFINING - VACUUM DISTILLATION	12550.0	100400.0	25100.0	60130.0	2510.0	2
	0.00951	0.41200	0.27100	0.36300	0.00285	
	0.00951	0.41200	0.11200	0.23800	0.00258	
PETROLEUM REFINING - WASTE WATER PLANT	0.0	0.0	0.0	257000.0	0.0	2
	0.00000	0.00000	0.00000	1.55000	0.00000	
	0.00000	0.00000	0.00000	1.02000	0.00000	
PHENOL - CUMENE PROCESS	0.0	0.0	0.0	2117.0	228.3	2
	0.00000	0.00000	0.00000	0.01280	0.00026	
	0.00000	0.00000	0.00000	0.00839	0.00023	
PHENYLMERCURY OLEATE	0.0	0.0	0.0	1815.0	0.0	2
	0.00000	0.00000	0.00000	0.01090	0.00000	
	0.00000	0.00000	0.00000	0.00719	0.00000	
PHENYLMERCURY ACETATE - PMA - PMAS	0.0	0.0	0.0	0.1	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
PHOSGENE	0.0	0.0	0.0	0.4	0.4	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
PHOSPHORIC ACID - WET PROCESS	--	--	--	--	--	3
PHOSPHORIC ACID - THERMAL PROCESS	1528.0	0.0	41.7	0.0	0.0	3
	0.00116	0.00000	0.00045	0.00000	0.00000	
	0.00116	0.00000	0.00019	0.00000	0.00000	
PHOSPHATE ROCK - DRYING, GRINDING, CALCINING	20570.0	0.0	0.0	0.0	0.0	3
	0.01560	0.00000	0.00000	0.00000	0.00000	
	0.01560	0.00000	0.00000	0.00000	0.00000	
PHOSPHATE ROCK DEFLUORINATION	--	--	--	--	--	3

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
PHOSPHORUS - ELEMENTAL	--	--	--	--	--	3
PHOSPHORUS OXYCHLORIDE	--	--	--	--	--	3
PHOSPHORUS TRICHLORIDE	--	--	--	--	--	3
PHOSPHORUS PENTASULFIDE	--	--	--	--	--	3
PHOSPHATE ROCK OPEN STORAGE	35510.0 0.02690 0.02690					4
PHOSPHATE ROCK LOADING	22600.0 0.01710 0.01710					4
PHTHALIC ANHYDRIDE - O-XYLENE	112.1 0.00008 0.00006	1495.0 0.00614 0.00614	411.0 0.00443 0.00184	54420.0 0.32800 0.21600	37370.0 0.04240 0.03840	2
PHTHALIC ANHYDRIDE - NAPHTHALENE	5.6 0.00000 0.00000	0.0 0.00000 0.00000	206.4 0.00223 0.00092	17220.0 0.10400 0.06820	7507.0 0.00852 0.00771	2
PIG IRON PRODUCTION	1281000.0 0.97000 0.97000	55000.0 0.22600 0.22600	0.0 0.00000 0.00000	0.0 0.00000 0.00000	71050000.0 80.60000 73.00000	3
PLYWOOD AND VENEER DRYING	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	9169.0 0.05530 0.03630	0.0 0.00000 0.00000	2
POLYAMIDE RESINS	5.7 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	857.6 0.00517 0.00340	0.0 0.00000 0.00000	2
POLYACRYLONITRILE - POLYMERIZATION SOLUTION	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	113.4 0.00068 0.00045	0.0 0.00000 0.00000	2
POLYBUTADIENE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	1173.0 0.00707 0.00465	0.0 0.00000 0.00000	2
POLYCHLOROPRENE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.2 0.00000 0.00000	12470.0 0.07520 0.04940	0.0 0.00000 0.00000	2

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
POLYCARBONATE RESINS	0.0	0.0	0.0	4.0	0.0	2
	0.00000	0.00000	0.00000	0.00002	0.00000	
	0.00000	0.00000	0.00000	0.00002	0.00000	
POLYCHLORINATED BIPHENYLS	0.0	0.0	0.0	110.0	0.0	2
	0.00000	0.00000	0.00000	0.00066	0.00000	
	0.00000	0.00000	0.00000	0.00044	0.00000	
POLYESTER RESINS - UNSATURATED	0.0	0.0	0.0	1115.0	0.0	2
	0.00000	0.00000	0.00000	0.00673	0.00000	
	0.00000	0.00000	0.00000	0.00442	0.00000	
POLYETHYLENE RESIN - LOW DENSITY	599.1	0.0	0.0	31900.0	0.0	2
	0.00045	0.00000	0.00000	0.19200	0.00000	
	0.00045	0.00000	0.00000	0.12600	0.00000	
POLYETHYLENE RESIN - HIGH DENSITY	0.0	0.0	13930.0	36760.0	0.0	2
	0.00000	0.00000	0.15000	0.22200	0.00000	
	0.00000	0.00000	0.06230	0.14600	0.00000	
POLYESTER POLYOLS	0.0	0.0	0.0	81.0	0.0	2
	0.00000	0.00000	0.00000	0.00049	0.00000	
	0.00000	0.00000	0.00000	0.00032	0.00000	
POLYISOPRENE	0.0	0.0	0.0	112.3	0.0	2
	0.00000	0.00000	0.00000	0.00068	0.00000	
	0.00000	0.00000	0.00000	0.00044	0.00000	
POLYISOBUTYLENE - ISOPRENE BUTYL	0.0	0.0	0.0	41.9	0.0	2
	0.00000	0.00000	0.00000	0.00025	0.00000	
	0.00000	0.00000	0.00000	0.00017	0.00000	
POLYMETHYLENE POLYPHENYL ISOCYANATE	0.0	0.0	0.0	208.7	0.0	2
	0.00000	0.00000	0.00000	0.00126	0.00000	
	0.00000	0.00000	0.00000	0.00083	0.00000	
POLYPROPYLENE	0.0	0.0	0.0	9768.0	0.0	2
	0.00000	0.00000	0.00000	0.05890	0.00000	
	0.00000	0.00000	0.00000	0.03870	0.00000	
POLYRAM	0.0	0.0	0.0	15.9	0.0	2
	0.00000	0.00000	0.00000	0.00010	0.00000	
	0.00000	0.00000	0.00000	0.00006	0.00000	
POLYSTYRENE RESIN	293.4	968.3	0.0	17110.0	0.0	2
	0.00022	0.00398	0.00000	0.10300	0.00000	
	0.00022	0.00398	0.00000	0.06780	0.00000	
POLYSULFIDE RUBBER	0.0	21.8	0.0	21.8	0.0	2
	0.00000	0.00009	0.00000	0.00013	0.00000	
	0.00000	0.00009	0.00000	0.00009	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
POLYURETHANE SURFACE COATING RESINS	0.0	0.0	0.0	22.5	0.0	2
	0.00000	0.00000	0.00000	0.00013	0.00000	
	0.00000	0.00000	0.00000	0.00009	0.00000	
POLYURETHANE ELASTOMER	0.0	0.0	0.0	22.5	0.0	2
	0.00000	0.00000	0.00000	0.00013	0.00000	
	0.00000	0.00000	0.00000	0.00009	0.00000	
POLYURETHANE FIBERS	0.0	0.0	0.0	4.1	0.0	2
	0.00000	0.00000	0.00000	0.00002	0.00000	
	0.00000	0.00000	0.00000	0.00002	0.00000	
POLYVINYL ACETATE RESINS	0.0	0.0	0.0	301.9	0.0	2
	0.00000	0.00000	0.00000	0.00182	0.00000	
	0.00000	0.00000	0.00000	0.00120	0.00000	
POLYVINYL CHLORIDE	21640.0	0.7	0.0	102400.0	0.0	2
	0.01640	0.00000	0.00000	0.61800	0.00000	
	0.01640	0.00000	0.00000	0.40600	0.00000	
POLYVINYL ALCOHOL RESINS	0.0	0.0	0.0	184.9	0.0	2
	0.00000	0.00000	0.00000	0.00112	0.00000	
	0.00000	0.00000	0.00000	0.00073	0.00000	
POLYVINYLVINYLIDENE CHLORIDE	0.0	0.0	0.0	123.8	0.0	2
	0.00000	0.00000	0.00000	0.00075	0.00000	
	0.00000	0.00000	0.00000	0.00049	0.00000	
POTASSIUM HYDROXIDE	--	--	--	--	--	3
POTASSIUM SULFATE	366.5	0.0	0.0	0.0	0.0	3
	0.00028	0.00000	0.00000	0.00000	0.00000	
	0.00028	0.00000	0.00000	0.00000	0.00000	
POTASH - POTASSIUM SALTS	23610.0	0.0	0.0	0.0	0.0	3
	0.01790	0.00000	0.00000	0.00000	0.00000	
	0.01790	0.00000	0.00000	0.00000	0.00000	
POTASSIUM PERMANGANATE AND MANGANESE DIOXIDE	17.6	0.0	0.0	0.0	0.0	3
	0.00001	0.00000	0.00000	0.00000	0.00000	
	0.00001	0.00000	0.00000	0.00000	0.00000	
POTASSIUM BICHROMATE AND POTASSIUM CHROMATE	0.2	0.0	0.0	0.0	0.0	3
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
POULTRY DRESSING						

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
PREPARATION OF ASBESTOS FIBRES	37.8	0.0	0.0	0.0	0.0	2
	0.00003	0.00000	0.00000	0.00000	0.00000	
	0.00003	0.00000	0.00000	0.00000	0.00000	
PREPARATION OF COTTON FIBRES	20280.0	0.0	0.0	0.0	0.0	2
	0.01540	0.00000	0.00000	0.00000	0.00000	
	0.01540	0.00000	0.00000	0.00000	0.00000	
PRESCRIBED BURNING	130500.0	1152.0	15350.0	153500.0	767700.0	1
	0.09890	0.00473	0.16600	0.92600	0.87100	
	0.09890	0.00473	0.06870	0.60800	0.78900	
PRIMARY LEAD SMELTING AND REFINING	4865.0	41970.0	0.0	0.0	0.0	3
	0.00369	0.17200	0.00000	0.00000	0.00000	
	0.00369	0.17200	0.00000	0.00000	0.00000	
PRIMARY ALUMINUM PRODUCTION	144600.0	0.0	0.0	0.0	0.0	3
	0.11000	0.00000	0.00000	0.00000	0.00000	
	0.11000	0.00000	0.00000	0.00000	0.00000	
PRIMARY ZINC SMELTING	10140.0	5744.0	0.0	0.0	0.0	3
	0.00768	0.02360	0.00000	0.00000	0.00000	
	0.00768	0.02360	0.00000	0.00000	0.00000	
PRIMARY COPPER SMELTING	6123.0	0.0	0.0	0.0	0.0	3
	0.00464	0.00000	0.00000	0.00000	0.00000	
	0.00464	0.00000	0.00000	0.00000	0.00000	
PRINTING INK	226.7	0.0	0.0	17000.0	0.0	2
	0.00017	0.00000	0.00000	0.10300	0.00000	
	0.00017	0.00000	0.00000	0.06740	0.00000	
PRINTING COTTON FABRICS	0.0	0.0	0.0	74100.0	0.0	2
	0.00000	0.00000	0.00000	0.44700	0.00000	
	0.00000	0.00000	0.00000	0.29400	0.00000	
PRINTING LINEN FABRICS	0.0	0.0	0.0	595.8	0.0	2
	0.00000	0.00000	0.00000	0.00359	0.00000	
	0.00000	0.00000	0.00000	0.00236	0.00000	
PRINTING NATURAL POLYMER FABRICS	0.0	0.0	0.0	7779.0	0.0	2
	0.00000	0.00000	0.00000	0.04690	0.00000	
	0.00000	0.00000	0.00000	0.03080	0.00000	
PRINTING RAYON FABRICS	0.0	0.0	0.0	31120.0	0.0	2
	0.00000	0.00000	0.00000	0.18800	0.00000	
	0.00000	0.00000	0.00000	0.12300	0.00000	
PRINTING SILK FABRICS	0.0	0.0	0.0	519.1	0.0	2
	0.00000	0.00000	0.00000	0.00313	0.00000	
	0.00000	0.00000	0.00000	0.00206	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
PRINTING WOOL FABRICS	0.0	0.0	0.0	5133.0	0.0	2
	0.00000	0.00000	0.00000	0.03100	0.00000	
	0.00000	0.00000	0.00000	0.02030	0.00000	
PRINTING SYNTHETIC POLYMER FABRICS	0.0	0.0	0.0	9837.0	0.0	2
	0.00000	0.00000	0.00000	0.05930	0.00000	
	0.00000	0.00000	0.00000	0.03900	0.00000	
PRODUCTION OF LEAD STORAGE BATTERIES	3084.0	0.0	0.0	46.2	0.0	3
	0.00234	0.00000	0.00000	0.00028	0.00000	
	0.00234	0.00000	0.00000	0.00018	0.00000	
PROPIONIC ACID	0.0	0.0	0.0	147.0	24.5	2
	0.00000	0.00000	0.00000	0.00089	0.00003	
	0.00000	0.00000	0.00000	0.00058	0.00003	
PROPYLENE	0.0	0.0	12600.0	5998.0	0.0	2
	0.00000	0.00000	0.13600	0.03620	0.00000	
	0.00000	0.00000	0.05630	0.02380	0.00000	
PROPYLENE OXIDE - CHLOROHYDRIN PROCESS	0.0	0.0	0.0	31080.0	0.0	2
	0.00000	0.00000	0.00000	0.18700	0.00000	
	0.00000	0.00000	0.00000	0.12300	0.00000	
PROPYLENE GLYCOL	0.0	0.0	0.0	376.6	0.0	2
	0.00000	0.00000	0.00000	0.00227	0.00000	
	0.00000	0.00000	0.00000	0.00149	0.00000	
N-PROPYL ALCOHOL	0.0	0.0	0.0	94.2	0.0	2
	0.00000	0.00000	0.00000	0.00057	0.00000	
	0.00000	0.00000	0.00000	0.00037	0.00000	
PROPYLENE TETRAMER	0.0	0.0	0.0	313.0	0.0	2
	0.00000	0.00000	0.00000	0.00189	0.00000	
	0.00000	0.00000	0.00000	0.00124	0.00000	
PROPYLENE TRIMER	0.0	0.0	0.0	210.9	0.0	2
	0.00000	0.00000	0.00000	0.00127	0.00000	
	0.00000	0.00000	0.00000	0.00084	0.00000	
PYRETHRINS	0.0	0.0	0.0	1.1	0.0	2
	0.00000	0.00000	0.00000	0.00001	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
PYROGALLIC ACID	0.0	0.0	0.0	0.5	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
QUINOLINE	0.0	0.0	0.0	0.9	0.0	2
	0.00000	0.00000	0.00000	0.00001	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
RAYON - SEMI SYNTHETIC VISCOSE RAYON	0.0	0.0	0.0	1217.0	0.0	2
	0.00000	0.00000	0.00000	0.00734	0.00000	
	0.00000	0.00000	0.00000	0.00482	0.00000	
REFRACTORIES	133700.0	0.0	0.0	0.0	0.0	3
	0.10100	0.00000	0.00000	0.00000	0.00000	
	0.10100	0.00000	0.00000	0.00000	0.00000	
REFUSE UNLOADING	7287.0					4
	0.00552					
	0.00552					
REFUSE ASH DISPOSAL	459.0					4
	0.00035					
	0.00035					
RESIDENTIAL INCINERATION	153800.0	2563.0	15380.0	76890.0	102500.0	1
	0.11600	0.01050	0.16600	0.46400	0.11600	
	0.11600	0.01050	0.06880	0.30500	0.10500	
RESIDENTIAL EXT COMB BITUMINOUS	48020.0	190400.0	7156.0	48020.0	217800.0	1
	0.03640	0.78200	0.07720	0.29000	0.24700	
	0.03640	0.78200	0.03200	0.19000	0.22400	
RESIDENTIAL EXT COMB ANTHRACITE	13560.0	24480.0	3896.0	3265.0	117900.0	1
	0.01030	0.10100	0.04200	0.01970	0.13400	
	0.01030	0.10100	0.01740	0.01290	0.12100	
RESIDENTIAL EXT COMB LIGNITE	1270.0	907.2	272.2	45.4	90.7	1
	0.00096	0.00373	0.00294	0.00027	0.00010	
	0.00096	0.00373	0.00122	0.00018	0.00009	
RESIDENTIAL EXT COMB DIST OIL	19060.0	1089000.0	133200.0	7507.0	37170.0	1
	0.01440	4.47000	1.44000	0.04530	0.04220	
	0.01440	4.47000	0.59600	0.02970	0.03820	
RESIDENTIAL EXT COMB GAS	26230.0	1362.0	190600.0	19060.0	49090.0	1
	0.01990	0.00559	2.06000	0.11500	0.05570	
	0.01990	0.00559	0.85200	0.07550	0.05040	
RESIDENTIAL EXT COMB WOOD	22760.0	3359.0	22760.0	4530.0	4530.0	1
	0.01720	0.01380	0.24600	0.02730	0.00514	
	0.01720	0.01380	0.10200	0.01800	0.00465	
RESORCINOL	0.0	0.0	0.0	17.1	0.0	2
	0.00000	0.00000	0.00000	0.00010	0.00000	
	0.00000	0.00000	0.00000	0.00007	0.00000	
ROCKET ENGINE TESTING	--	--	--	--	--	1

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
SACCHARIN - VIA O-TOLUENE SULFONAMIDE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.7 0.00000 0.00000	0.0 0.00000 0.00000	2
SACCHARIN	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.8 0.00001 0.00000	0.4 0.00000 0.00000	0.0 0.00000 0.00000	2
SALICYLIC ACID	--	--	--	--	--	2
SALICYLATES - EXCLUDING ASPIRIN	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.6 0.00000 0.00000	0.0 0.00000 0.00000	2
SAND AND GRAVEL UNLOADING	16690.0 0.01260 0.01260					4
SAW MILL WASTE STORAGE	1634.0 0.00124 0.00124					4
SCOURING WOOL FIBRES	--	--	--	--	--	2
SCREENING, CRUSHING OF CLAY	51720.0 0.03920 0.03920					4
SECONDARY LEAD SMELTING AND REFINING	1631.0 0.00124 0.00124	16870.0 0.06930 0.06930	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
SECONDARY ALUMINUM PRODUCTION	43950.0 0.03330 0.03330	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
SECONDARY ZINC SMELTING	11430.0 0.00866 0.00866	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
SECONDARY MAGNESIUM SMELTING	2.8 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
SEWAGE SLUDGE INCINERATION	13610.0 0.01030 0.01030	1134.0 0.00466 0.00466	1361.0 0.01470 0.00609	680.4 0.00410 0.00270	15880.0 0.01800 0.01630	1

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
SEWERAGE CHLORINATION TANKS						
SEWERAGE AERATION						
SEWERAGE TRICKLING FILTER						
SEWERAGE VACCUUM FILTER						
SILVER COMPOUNDS - NO3, DIFLUORIDE, FLUOROBORATE, SO4	1.8 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
SINGEING COTTON FABRICS	62.8 0.00005 0.00005	31.4 0.00013 0.00013	18.0 0.00019 0.00008	26.9 0.00016 0.00011	9.0 0.00001 0.00001	2
SINGEING LINEN FABRICS	0.1 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	2
SIZING, GRINDING, FIBERIZING OF ASBESTOS	840.5 0.00064 0.00064					4
SOAP AND DETERGENTS	18370.0 0.01390 0.01390	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	2
SODIUM ARSENITE	2.6 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
SODIUM SILICATES	960.7 0.00073 0.00073	1310.0 0.00538 0.00538	3493.0 0.03770 0.01560	87.3 0.00053 0.00035	436.7 0.00050 0.00045	3
SODIUM CARBONATE - SYNTHETIC	1414.0 0.00107 0.00107	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
SODIUM NITRITE	7.6 0.00001 0.00001	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
SODIUM SULFITE	201.4 0.00015 0.00015	201.4 0.00083 0.00083	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
SODIUM HYDROSULFITE	42.3	0.0	0.0	0.0	0.0	3
	0.00003	0.00000	0.00000	0.00000	0.00000	
	0.00003	0.00000	0.00000	0.00000	0.00000	
SODIUM CARBONATE - NATURAL	8299.0	0.0	0.0	0.0	0.0	3
	0.00629	0.00000	0.00000	0.00000	0.00000	
	0.00629	0.00000	0.00000	0.00000	0.00000	
SODIUM SULFATE - NATURAL PROCESS ONLY	2310.0	0.0	0.0	0.0	0.0	3
	0.00175	0.00000	0.00000	0.00000	0.00000	
	0.00175	0.00000	0.00000	0.00000	0.00000	
SODIUM CHROMATE AND SODIUM DICHROMATE	146.7	66.7	66.7	0.0	66.7	3
	0.00011	0.00027	0.00072	0.00000	0.00008	
	0.00011	0.00027	0.00030	0.00000	0.00007	
SODIUM HYDROSULFIDE - SODIUM BISULFIDE OR SULFHYDRATE	--	--	--	--	--	3
SODIUM CHLORATE	176.0	0.0	0.0	0.0	0.0	3
	0.00013	0.00000	0.00000	0.00000	0.00000	
	0.00013	0.00000	0.00000	0.00000	0.00000	
SODIUM SULFIDE	783.8	0.0	0.0	0.0	0.0	3
	0.00059	0.00000	0.00000	0.00000	0.00000	
	0.00059	0.00000	0.00000	0.00000	0.00000	
SODIUM THIOSULFATE - SODIUM HYPOSULFITE	39.2	0.0	0.0	0.0	0.0	3
	0.00003	0.00000	0.00000	0.00000	0.00000	
	0.00003	0.00000	0.00000	0.00000	0.00000	
SODIUM TRIPOLYPHOSPHATE	5699.0	0.0	0.0	0.0	0.0	3
	0.00432	0.00000	0.00000	0.00000	0.00000	
	0.00432	0.00000	0.00000	0.00000	0.00000	
SODIUM SILICOFLUORIDE	--	--	--	--	--	3
SODIUM FLUORIDE	7.0	0.0	0.0	0.0	0.0	3
	0.00001	0.00000	0.00000	0.00000	0.00000	
	0.00001	0.00000	0.00000	0.00000	0.00000	
SOLVENT EVAPORATION - DRYCLEANING	0.0	0.0	0.0	367400.0	0.0	2
	0.00000	0.00000	0.00000	2.22000	0.00000	
	0.00000	0.00000	0.00000	1.46000	0.00000	
SOLVENT EVAPORATION - PRINTING AND PUBLISHING	0.0	0.0	0.0	182200.0	0.0	2
	0.00000	0.00000	0.00000	1.10000	0.00000	
	0.00000	0.00000	0.00000	0.72200	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
SOLVENT EVAPORATION - DEGREASING	0.0	0.0	0.0	6410000.0	0.0	2
	0.00000	0.00000	0.00000	38.70000	0.00000	
	0.00000	0.00000	0.00000	25.40000	0.00000	
SOLVENT EVAPORATION - RUBBER AND PLASTIC PROCESSING	0.0	0.0	0.0	1280000.0	0.0	2
	0.00000	0.00000	0.00000	7.72000	0.00000	
	0.00000	0.00000	0.00000	5.07000	0.00000	
SOLVENT EVAPORATION - SURFACE COATING - AUTO PAINTING	1387.0	0.0	0.0	73210.0	0.0	2
	0.00105	0.00000	0.00000	0.44100	0.00000	
	0.00105	0.00000	0.00000	0.29000	0.00000	
SORBITOL	0.0	0.0	0.0	26.6	0.0	2
	0.00000	0.00000	0.00000	0.00016	0.00000	
	0.00000	0.00000	0.00000	0.00010	0.00000	
SPINNING ASBESTOS FIBRES - TWISTING AND WINDING	65.2	0.0	0.0	0.0	0.0	2
	0.00005	0.00000	0.00000	0.00000	0.00000	
	0.00005	0.00000	0.00000	0.00000	0.00000	
SPINNING NATURAL POLYMER FIBRES	34.9	0.0	0.0	0.0	0.0	2
	0.00003	0.00000	0.00000	0.00000	0.00000	
	0.00003	0.00000	0.00000	0.00000	0.00000	
SPINNING RAYON FIBRE	139.4	0.0	0.0	0.0	0.0	2
	0.00011	0.00000	0.00000	0.00000	0.00000	
	0.00011	0.00000	0.00000	0.00000	0.00000	
SPINNING SYNTHETIC POLYMERS	2621.0	0.0	0.0	0.0	0.0	2
	0.00199	0.00000	0.00000	0.00000	0.00000	
	0.00199	0.00000	0.00000	0.00000	0.00000	
STEEL PRODUCTION	570400.0	0.0	0.0	0.0	5154000.0	3
	0.43200	0.00000	0.00000	0.00000	5.85000	
	0.43200	0.00000	0.00000	0.00000	5.29000	
STEEL FOUNDRIES	11940.0	0.0	183.7	0.0	0.0	3
	0.00905	0.00000	0.00198	0.00000	0.00000	
	0.00905	0.00000	0.00082	0.00000	0.00000	
STORAGE OF ANIMAL RENDERINGS						
STORAGE OF ASBESTOS ORE	178.1					4
	0.00013					
	0.00013					
STORAGE OF SAWDUST	1433.0					4
	0.00109					
	0.00109					

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
STORAGE OF WOOD CHIPS	9910.0 0.00751 0.00751					4
STORAGE OF RAW CLAY	258.6 0.00020 0.00020					4
STORAGE OF TALC ORE	51.8 0.00004 0.00004					4
STORAGE OF SULFUR	39.6 0.00003 0.00003					4
STRUCTURAL FIRES	--	--	--	--	--	1
STYRENE - BUTADIENE COPOLYMER RESINS	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.3 0.00000 0.00000	0.0 0.00000 0.00000	2
STYRENE	52.4 0.00004 0.00004	0.0 0.00000 0.00000	67.2 0.00072 0.00030	2203.0 0.01330 0.00873	0.0 0.00000 0.00000	2
SUGAR PROCESSING	5441.0 0.00412 0.00412	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	2721.0 0.00309 0.00279	2
SULFATED ETHOXYLATES - AEOS	20.0 0.00002 0.00002	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	2
SULFURIC ACID	0.0 0.00000 0.00000	56560.0 0.23200 0.23200	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
SULFUR MONOCHLORIDE AND DICHLORIDE	--	--	--	--	--	3
SUPERPHOSPHATE - NORMAL	6423.0 0.00487 0.00487	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
SURFACE COATING - MAJOR APPLIANCE FINISHING	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	31390.0 0.18900 0.12400	0.0 0.00000 0.00000	2

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
SURFACE COATING - SMALL APPLIANCE FINISHING	0.0	0.0	0.0	4356.0	0.0	2
	0.00000	0.00000	0.00000	0.02630	0.00000	
	0.00000	0.00000	0.00000	0.01730	0.00000	
SURFACE COATING - FARM MACHINERY FINISHING	0.0	0.0	0.0	1996.0	0.0	2
	0.00000	0.00000	0.00000	0.01200	0.00000	
	0.00000	0.00000	0.00000	0.00791	0.00000	
SURFACE COATING - INDUSTRIAL MACHINERY FINISHING	0.0	0.0	0.0	7993.0	0.0	2
	0.00000	0.00000	0.00000	0.04820	0.00000	
	0.00000	0.00000	0.00000	0.03170	0.00000	
SURFACE COATING - COMMERCIAL MACHINERY FINISHING	0.0	0.0	0.0	1010.0	0.0	2
	0.00000	0.00000	0.00000	0.00609	0.00000	
	0.00000	0.00000	0.00000	0.00400	0.00000	
SURFACE COATING - WOOD FURNITURE FINISHING	0.0	0.0	0.0	8894.0	0.0	2
	0.00000	0.00000	0.00000	0.05360	0.00000	
	0.00000	0.00000	0.00000	0.03520	0.00000	
SURFACE COATING - SHEET, STRIP AND COIL COATING	0.0	0.0	0.0	506400.0	0.0	2
	0.00000	0.00000	0.00000	3.05000	0.00000	
	0.00000	0.00000	0.00000	2.01000	0.00000	
SURFACE COATING - METAL FURNITURE FINISHING	0.0	0.0	0.0	8051.0	0.0	2
	0.00000	0.00000	0.00000	0.04850	0.00000	
	0.00000	0.00000	0.00000	0.03190	0.00000	
SURFACE COATING - PAPER AND PAPERBOARD COATING	0.0	0.0	0.0	499400.0	0.0	2
	0.00000	0.00000	0.00000	3.01000	0.00000	
	0.00000	0.00000	0.00000	1.98000	0.00000	
SWIMMING POOL HEATING	1436.0	45.3	5668.0	604.6	1512.0	1
	0.00109	0.00019	0.06120	0.00365	0.00172	
	0.00109	0.00019	0.02540	0.00240	0.00155	
SYM-TRIMETHYLENE-TRINITRAMINE	0.0	0.0	22.7	0.0	0.0	2
	0.00000	0.00000	0.00024	0.00000	0.00000	
	0.00000	0.00000	0.00010	0.00000	0.00000	
2,4,5-T SALTS	0.0	0.0	0.0	4.9	0.0	2
	0.00000	0.00000	0.00000	0.00003	0.00000	
	0.00000	0.00000	0.00000	0.00002	0.00000	
TEREPHTHALIC ACID	0.0	0.0	0.0	367.4	0.0	2
	0.00000	0.00000	0.00000	0.00222	0.00000	
	0.00000	0.00000	0.00000	0.00146	0.00000	
TETRAETHYL/TETRAMETHYL LEAD	0.0	0.0	0.0	1188.0	0.0	2
	0.00000	0.00000	0.00000	0.00716	0.00000	
	0.00000	0.00000	0.00000	0.00471	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
TETRACYCLINE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3.5 0.00002 0.00001	0.0 0.00000 0.00000	2
TIN COMPOUNDS - HALIDES, OXIDES, SULFATES, OTHERS	1.7 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
TITANIUM DIOXIDE - PIGMENT	4278.0 0.00324 0.00324	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3
TOBACCO	794.3 0.00060 0.00060	0.0 0.00000 0.00000	1986.0 0.02140 0.00888	39710.0 0.23900 0.15700	119100.0 0.13500 0.12200	3
TOLUENE-2, 4-DIAMINE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.4 0.00000 0.00000	0.0 0.00000 0.00000	2
TOLUENE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	6537.0 0.07050 0.02920	3113.0 0.01880 0.01230	0.0 0.00000 0.00000	2
TOLUENE DIISOCYANATE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	1016.0 0.00613 0.00403	0.0 0.00000 0.00000	2
TOLUENE SULFONIC ACID	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	4.1 0.00002 0.00002	0.0 0.00000 0.00000	2
TOLUENE SULFONATE - HYDROTROPE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	3.6 0.00002 0.00001	0.0 0.00000 0.00000	2
TOXAPHENE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	22.7 0.00014 0.00009	0.0 0.00000 0.00000	2
TOXAPHENE APPLICATION ON CROPS						
TRANSPORT OF SULFUR	63.2 0.00005 0.00005					4
TRANSPORT OF ASBESTOS ORE	118.7 0.00009 0.00009					4

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
TRANSPORT OF SAND AND GRAVEL	54230.0 0.04110 0.04110					4
TRANSPORT OF CLAY	2586.0 0.00196 0.00196					4
TRANSPORT OF TALC ORE	61.2 0.00005 0.00005					4
TRICHLOROETHYLENE - FROM ACETYLENE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	64.3 0.00039 0.00025	0.0 0.00000 0.00000	2
1,1,2-TRICHLOROETHANE - FROM ETHYLENE DICHLORIDE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	68.0 0.00041 0.00027	1.4 0.00000 0.00000	2
1,1,1-TRICHLOROETHANE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	5137.0 0.03100 0.02040	0.0 0.00000 0.00000	2
TRICHLOROETHYLENE - FROM ETHYLENE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	10240.0 0.06180 0.04060	0.0 0.00000 0.00000	2
TRICHLORFON - DIPTEREX	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.3 0.00000 0.00000	0.0 0.00000 0.00000	2
TRICHLOROPHENOL - DOWICIDE 2	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	1.4 0.00001 0.00001	0.0 0.00000 0.00000	2
2,4,5-TRICHLOROPHENOXY ACETIC ACID ESTERS	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.5 0.00000 0.00000	0.0 0.00000 0.00000	2
TRICHLOROTRIFLUOROETHANE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	8.6 0.00005 0.00003	0.0 0.00000 0.00000	2
TRIETHYLAMINE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	10.1 0.00006 0.00004	0.0 0.00000 0.00000	2
TRIMETHYLAMINE	0.0 0.00000 0.00000	0.0 0.00000 0.00000	0.0 0.00000 0.00000	13.1 0.00008 0.00005	0.0 0.00000 0.00000	2

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
TRIPLE SUPERPHOSPHATES	15020.0	0.0	0.0	0.0	0.0	3
	0.01140	0.00000	0.00000	0.00000	0.00000	
	0.01140	0.00000	0.00000	0.00000	0.00000	
UNPAVED ROADS	99990000.0					4
	75.70000					
	75.70000					
UREA	2103.0	0.0	0.0	0.0	0.0	2
	0.00159	0.00000	0.00000	0.00000	0.00000	
	0.00159	0.00000	0.00000	0.00000	0.00000	
VARNISH MANUFACTURERS	0.0	0.0	0.0	18680.0	0.0	2
	0.00000	0.00000	0.00000	0.11300	0.00000	
	0.00000	0.00000	0.00000	0.07400	0.00000	
VEGETABLE OIL MILLING	6464.0	0.0	0.0	3694.0	0.0	2
	0.00490	0.00000	0.00000	0.02230	0.00000	
	0.00490	0.00000	0.00000	0.01460	0.00000	
VINYLIDENE CHLORIDE	0.0	0.0	0.0	326.6	0.0	2
	0.00000	0.00000	0.00000	0.00197	0.00000	
	0.00000	0.00000	0.00000	0.00129	0.00000	
VINYL ACETATE - FROM ETHYLENE	0.0	0.0	0.0	12080.0	0.0	2
	0.00000	0.00000	0.00000	0.07280	0.00000	
	0.00000	0.00000	0.00000	0.04790	0.00000	
VINYL ACETATE - FROM ACETYLENE	32.7	0.0	0.0	1198.0	0.0	2
	0.00002	0.00000	0.00000	0.00722	0.00000	
	0.00002	0.00000	0.00000	0.00475	0.00000	
VINYL BROMIDE	0.0	0.0	0.0	6.2	0.0	2
	0.00000	0.00000	0.00000	0.00004	0.00000	
	0.00000	0.00000	0.00000	0.00002	0.00000	
VINYL CHLORIDE - ACETYLENE	0.0	0.0	0.0	939.0	0.0	2
	0.00000	0.00000	0.00000	0.00566	0.00000	
	0.00000	0.00000	0.00000	0.00372	0.00000	
VINYL CHLORIDE - ETHYLENE DICHLORIDE	0.0	0.0	0.0	19710.0	0.0	2
	0.00000	0.00000	0.00000	0.11900	0.00000	
	0.00000	0.00000	0.00000	0.07810	0.00000	
VITAMIN B COMPLEXES	0.0	0.0	0.0	4.4	0.0	2
	0.00000	0.00000	0.00000	0.00003	0.00000	
	0.00000	0.00000	0.00000	0.00002	0.00000	
VITAMIN A	0.0	0.0	0.0	0.5	0.0	2
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
VITREOUS KAOLIN PRODUCTS	20170.0	896.6	224.1	0.0	896.6	3
	0.01530	0.00368	0.00242	0.00000	0.00102	
	0.01530	0.00368	0.00100	0.00000	0.00092	
WASTE SOLVENT PROCESSING	0.0	0.0	0.0	907.2	0.0	2
	0.00000	0.00000	0.00000	0.00547	0.00000	
	0.00000	0.00000	0.00000	0.00359	0.00000	
WET CORN MILLING	13100.0	0.0	0.0	0.0	0.0	2
	0.00993	0.00000	0.00000	0.00000	0.00000	
	0.00993	0.00000	0.00000	0.00000	0.00000	
WIND EROSION OF SOIL FROM DORMANT LAND	2139000.0					4
	1.62000					
	1.62000					
WOOD WASTE INCINERATION	95820.0	9582.0	23960.0	95820.0	287500.0	1
	0.07260	0.03940	0.25800	0.57800	0.32600	
	0.07260	0.03940	0.10700	0.38000	0.29500	
WOOD PROCESSING - KRAFT OR SULFATE PROCESS	276000.0	65720.0	0.0	74130.0	920100.0	2
	0.20900	0.27000	0.00000	0.44700	1.04000	
	0.20900	0.27000	0.00000	0.29400	0.94500	
WOOD PROCESSING - SULFITE PROCESS	25040.0	405100.0	0.0	0.0	0.0	2
	0.01900	1.66000	0.00000	0.00000	0.00000	
	0.01900	1.66000	0.00000	0.00000	0.00000	
WOOD PROCESSING - NEUTRAL SULFITE SEMI-CHEMICAL	0.0	4874.0	0.0	3867.0	0.0	2
	0.00000	0.02000	0.00000	0.02330	0.00000	
	0.00000	0.02000	0.00000	0.01530	0.00000	
P-XYLENE	0.0	0.0	2410.0	1148.0	0.0	2
	0.00000	0.00000	0.02600	0.00692	0.00000	
	0.00000	0.00000	0.01080	0.00455	0.00000	
XYLENE SULFONIC ACID	0.0	0.0	0.0	8.1	0.0	2
	0.00000	0.00000	0.00000	0.00005	0.00000	
	0.00000	0.00000	0.00000	0.00003	0.00000	
M-XYLENE	0.0	36.4	0.0	363.6	0.0	2
	0.00000	0.00015	0.00000	0.00219	0.00000	
	0.00000	0.00015	0.00000	0.00144	0.00000	
XYLENE SULFONATE - SODIUM SALT	0.0	0.0	0.0	8.5	0.0	2
	0.00000	0.00000	0.00000	0.00005	0.00000	
	0.00000	0.00000	0.00000	0.00003	0.00000	
O-XYLENE	0.0	0.0	0.0	5387.0	0.0	2
	0.00000	0.00000	0.00000	0.03250	0.00000	
	0.00000	0.00000	0.00000	0.02130	0.00000	

MASS OF EMISSIONS (1000 KG/YR)
PERCENT OF TOTAL INCLUDING METALLURGICAL PROCESSING

SOURCE	PART	SO2	NOX	HC	CO	C
XYLENE SULFONATE - AMMONIUM SALT	0.0	0.0	0.0	1.1	0.0	2
	0.00000	0.00000	0.00000	0.00001	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
XYLENE SULFONATE - POTASSIUM SALT	0.0	0.0	0.0	0.9	0.0	2
	0.00000	0.00000	0.00000	0.00001	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
ZINC OXIDE - PIGMENT	7087.0	0.0	0.0	0.0	0.0	3
	0.00537	0.00000	0.00000	0.00000	0.00000	
	0.00537	0.00000	0.00000	0.00000	0.00000	
ZINC GALVANIZING OPERATIONS	1082.0	0.0	0.0	0.0	0.0	3
	0.00082	0.00000	0.00000	0.00000	0.00000	
	0.00082	0.00000	0.00000	0.00000	0.00000	
ZINC CHROMATE - PIGMENT	0.3	0.0	0.0	0.0	0.0	3
	0.00000	0.00000	0.00000	0.00000	0.00000	
	0.00000	0.00000	0.00000	0.00000	0.00000	
ZINC CHLORIDE - 50 DEGREE BAUME'	32.3	0.0	0.0	0.0	0.0	3
	0.00002	0.00000	0.00000	0.00000	0.00000	
	0.00002	0.00000	0.00000	0.00000	0.00000	
SUB-TOTAL SOURCE ASSESSMENT DATA BASE	129500000.0	24350000.0	9269000.0	16580000.0	88130000.0	
OPEN SOURCE WITHHELD EMISSION DATA	2521000.0					
TOTAL SOURCE ASSESSMENT DATA BASE	132000000.0	24350000.0	9269000.0	16580000.0	88130000.0	
NEDS TOTALS 1972	17950000.0	30130000.0	22360000.0	25240000.0	97340000.0	

REFERENCES

1. National Emissions Report, 1972. EPA-450/2-74-012, U.S. Environmental Protection Agency, Research Triangle Park, North Carolina. June 1974. 422 pp.

TECHNICAL REPORT DATA
(Please read Instructions on the reverse before completing)

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4. TITLE AND SUBTITLE SOURCE ASSESSMENT: Overview Matrix for National Criteria Pollutant Emissions		5. REPORT DATE July 1977
		6. PERFORMING ORGANIZATION CODE
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15. SUPPLEMENTARY NOTES IERL-RTP project officer for this report is Dale A. Denny, Mail Drop 62, 919/541-2547. Similar previous reports are in the EPA-600/2-76-032 series.

16. ABSTRACT The report alphabetically lists stationary sources that emit criteria pollutants. The overview matrix was prepared, using a computerized data base established for emissions of air pollutants from approximately 600 stationary source types in the combustion, organic materials, inorganic materials, and open source categories. The matrix lists the total national emissions of criteria pollutants emitted by source type. (A source type is defined as a group of emission sources which have the same process and emission characteristics.)

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Pollution	Pollution Control	13B
Assessments	Stationary Sources	14B
Emission	Overview	
Combustion	Source Assessment	21B
Organic Compounds	Criteria Pollutants	07C
Inorganic Compounds	Open Sources	07B

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