
Air



**NORTHEAST CORRIDOR
REGIONAL MODELING
PROJECT
ANNUAL EMISSION
INVENTORY COMPILATION
AND
FORMATTING
Volume VIII:
New Jersey
Emission Inventory**

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NORTHEAST CORRIDOR REGIONAL MODELING PROJECT ANNUAL EMISSION INVENTORY COMPILATION AND FORMATTING

Volume VIII: New Jersey Emission Inventory

by
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SECTION 1

INTRODUCTION

BACKGROUND

On a nationwide basis, nonattainment of the National Ambient Air Quality Standard (NAAQS) for ozone is one of the most serious and widespread air pollution problems facing the air quality management community. The Northeast Corridor, a megalopolis of urban and suburban areas extending from Washington to Boston, bears a large extent of the ozone problem. The United States Environmental Protection Agency (U.S. EPA), in cooperation with the northeastern states, local agencies, and Metropolitan Planning Organizations (MPOs), has undertaken the Northeast Corridor Regional Modeling Project (NECRMP) to develop regional and urban ozone control strategies through the use of photochemical air quality simulation models.

To employ a regional model, an inventory of point and area source emissions covering the entire NECRMP study area had to be assembled and placed into a common format. Unfortunately, existing data bases were inadequate to either properly test or validate a regional model. To this end, U.S. EPA's Office of Air Quality Planning and Standards retained GCA/Technology Division to complete an annual inventory for use in NECRMP. The study area, shown in Figure 1, includes the entire northeast quadrant of the United States from longitude 69 degrees to 82 degrees West, and latitude 38 degrees to 45 degrees North.

OBJECTIVES

The objective of the effort reported in this volume was to assemble the most current, comprehensive and accurate emission inventory possible for the State of New Jersey. This was achieved through the cooperation of the New Jersey Department of Environmental Protection (NJDEP) and U.S. EPA/Region II. The intent of the program was to avoid direct contact between GCA and individual facilities in New Jersey. Rather, GCA worked directly with the NJDEP who in turn contacted sources when necessary including the New Jersey Department of Transportation (NJDOT) for highway vehicle information. GCA reviewed the State and EPA supplied data and submitted lists of potential errors back to the NJDEP, who was responsible for confirming the data or supplying corrections, as necessary. The major pollutants of interest were volatile organic compounds (VOC) and oxides of nitrogen (NO_x) although particulates (TSP), sulfur oxides (SO_x) and carbon monoxide (CO) emissions were also compiled for point sources. Because of this emphasis, quality assurance checks mainly focused on sources of VOC and NO_x .

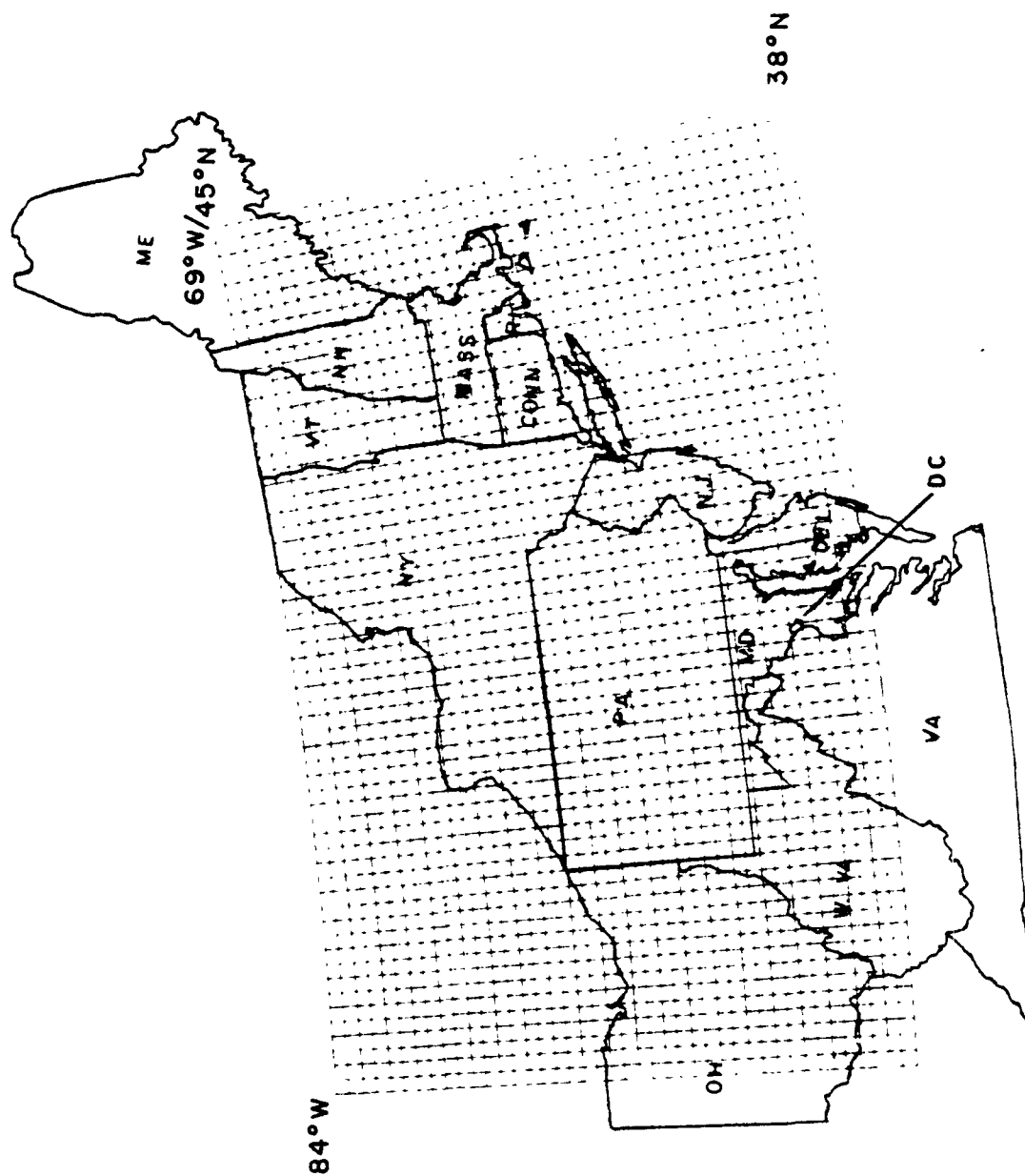


Figure 1. Boundaries of regional model grid system.

The completed inventories were computerized for further use in the NECRMP study. Point source data were computerized in the format specified in the Emission Inventory System/Point Source User's Guide¹ and area source data were coded into EIS/AS² format.

REPORT ORGANIZATION

The results of the NECRMP annual emission inventory are reported in an 18 volume set of documents. Volume I in this series describes the background of the program and discusses the methodology used to compile and verify the annual emission inventory. Volumes II through XVI present a more detailed discussion of each state's inventory effort. Volume XVII describes the spatial, temporal, and species allocation factors developed to allow for the creation of modeler's tapes from the completed inventory. Volume XVIII presents a summary of the point and area source inventories for the entire study area. Also included in Volume XVIII is a detailed analysis of the overall quality of the data base and an assessment of the data's suitability for use in photochemical modeling. A directory of the NECRMP annual emission inventory reports is presented in Table 1.

This volume, which presents a discussion of the annual emission inventory for New Jersey, consists of five sections including this introduction. Section 2 describes the project history and includes a summary of the major events that relate to the New Jersey inventory development. Section 3 discusses in greater detail the point source inventory task while the area source inventory development is covered in Section 4. All references cited in the volume are identified in Section 5. Appendices A and B present county emissions for point and area sources, respectively, while all computer routines used to fix "generic" problems with the New Jersey point source data are provided in Appendix C. Appendix D presents a comparison of the final NECRMP inventory with that submitted in August, 1982 by NJ DEP.

TABLE 1. DIRECTORY OF THE NECRMP ANNUAL REGIONAL
EMISSION INVENTORY REPORTS

Volume	Contents
I	Project Approach
II	Connecticut Emission Inventory
III	Delaware Emission Inventory
IV	Maine Emission Inventory
V	Maryland Emission Inventory
VI	Massachusetts Emission Inventory
VII	New Hampshire Emission Inventory
VIII	New Jersey Emission Inventory
IX	New York Emission Inventory
X	Ohio Emission Inventory
XI	Pennsylvania Emission Inventory
XII	Rhode Island Emission Inventory
XIII	Vermont Emission Inventory
XIV	Virginia Emission Inventory
XV	Washington, DC Emission Inventory
XVI	West Virginia Emission Inventory
XVII	Development of Allocation Factors
XVIII	Inventory Review and Evaluation

SECTION 2
PROJECT HISTORY

AGENCY CONTACTS

The EPA Project Officer provided agency contacts in the New Jersey Department of Environmental Protection (NJDEP) and the Environmental Protection Agency's Region II Office (EPA/Region II). The NJDEP contact was responsible for confirming data, supplying required corrections or additional data, interfacing with individual sources and other New Jersey agencies as necessary, and concurring on the comprehensiveness and accuracy of the final data base. The agency also provided information, as needed, to assist in a detailed review of point and area source data for errors, inconsistencies and missing data elements. The NJDEP contact was Mr. Raymond Dyba, (609) 292-6722.

SUMMARY OF EVENTS

Summaries of major milestones pertaining to the New Jersey portion of the NECRMP study are provided separately for the point source and area source data, as follows.

Point Sources

- EIS/P&R data (1980) received through Engineering-Science, Inc., as converted from NJDEP's Air Pollution Emission Data System (APEDS) 12/8/81
- Memo outlining data conversion problems sent to Project Officer 1/11/82
- Conversion errors corrected sufficiently to enable QA audit 1/29/82
- QA audit completed, lists of major problems forwarded to Project Officer, NJDEP contact 2/26/82
- Project Officer identified 47 most significant facility emission total discrepancies (SIP vs. NECRMP) for correction 4/08/82
- Above discrepancies resolved during visit to NJDEP 4/21-23/82
- EIS/PS master file adjusted to reflect above corrections 5/11/82

- Preliminary inventory forwarded to EPA 5/17/82
- Draft Final Report and preliminary inventory data reviewed by EPA 6/16/82
- Final corrected report and tape submitted to EPA 11/29/82

Area Sources

- NJ area source inventory (except highway vehicle sources) received from NJDEP 4/15/81
- QA audit of nonhighway vehicle area source data completed, coding into EIS/AS commenced 6/1/81
- Results of review of comparison between NJDEP and Engineering-Science supplied area source data for NJ portion of Philadelphia AQCR sent to Project Officer 7/7/81
- NJDEP supplied EPA with a revised area source inventory for SIP submittal 12/31/81
- Revised NJDOT highway vehicle inventory received from NJDEP through EPA 4/1/82
- EIS/AS master file completed 4/20/82
- Completed master file provided to NJDEP contact for concurrence 4/21/82
- Preliminary master file sent to EPA on tape in EIS/AS format 5/6/82
- Draft final report and preliminary data reviewed by EPA 6/16/82
- Final corrected report and tape submitted to EPA 11/29/82

SECTION 3

POINT SOURCE INVENTORY

DATA PROCUREMENT

A computer tape containing Emission Inventory System/Permits & Registration (EIS/P&R) formatted data for New Jersey was supplied by Engineering-Science, Inc. (E-S) at the request of the EPA Project Officer.* The point source tape provided by Engineering-Science contained two separate files. The first file contained the point source data for the 21 New Jersey counties as received (by E-S) from the NJDEP. The second file contained "updated" data for the five New Jersey counties that fall within the Philadelphia AQCR. The updated data on the second file were substituted for the appropriate counties in the original file prior to data review and correction efforts.

The point source data were received on December 8, 1981 and contained information on 14,643 facilities. However, for most facilities only limited data were reported (Name, ID, Address, Plant contact; i.e., NEDS card 1 data only). Complete data only were available for 1,749 facilities representing 30,742 emission points.

DATA REVIEW AND UPDATE

The New Jersey EIS/P&R file was first converted into NEDS format to enable use of the QA checks contained in the GCA-modified version of the NEDS-to-EIS/PS Conversion Editor¹ described previously in Volume I.³ GCA encountered numerous data problems that were traced back to the original conversion of the emission data from the APEDS system to EIS/P&R. Detection and correction of these problems constituted the major portion of the QA efforts expended on the New Jersey data. These problems included the following:

- The stack diameter fields were incorrect for virtually all sources. Apparently, the "tens" digit had been dropped and the resulting number (i.e., the "ones" digit) was multiplied by 10 (e.g., a stack diameter of 9 feet appeared as 90 feet; 12 foot and 22 foot stack diameters both would appear as 20 feet).

*Engineering-Science had previously prepared this tape from inventory data contained in NJDEP's Air Pollution Emissions Inventory Data System (APEDS).

- The APEDS system reports emissions in lb/hr. In some instances these hourly emissions were incorrectly converted into annual emissions. For some reason, uncontrolled hourly emissions were used in the conversion rather than controlled emissions. Since it appeared to have been a conversion problem, certain circumstances caused the uncontrolled emissions field to be used. However, no one had done enough investigation to know exactly what those circumstances were.
- Asterisks appeared in several fuel process rate fields.
- Some sources had valid emission control efficiencies, but no control equipment code. A number of other sources reported invalid control equipment codes.

Other errors were found only on the Philadelphia AQCR data, these included:

- "Garbage" data appeared in the control equipment and efficiency fields.
- "Garbage" data appeared in the allowable emissions field.

The above errors were addressed using a computer routine which is provided in Appendix C. These corrections are summarized below:

- A number of UTM zones were blank, Zone 18 was substituted.
- If the emission control efficiency was = "000," but the control type was blank (this error caused cards to be rejected by the EIS system), the primary and secondary control equipment codes were set to "000."
- For particulates, if the control efficiency was greater than 0, and the primary control equipment code was blank, 000, or 099, the primary control equipment code was set to 011 (medium efficiency electrostatic precipitator). If the secondary control equipment code was also blank, 000, or 099 in these instances, it too was set to 011.
- For SO₂, when the control efficiency was greater than 0, and the control equipment type was 000, 099, or blank (similar to above), the control equipment types were set to 013 (gas scrubber, not classified).
- For similar instances regarding NO_x, the equipment type was also set to 013.
- For similar instances regarding VOC, the equipment type was set to 021 (direct flame afterburner).
- For similar instances regarding CO, the equipment type was also set to 021.

- When the control equipment was not blank or numeric (i.e., "garbage" data), the equipment and efficiency fields were zero filled.
- When the allowable emissions fields were not blank or numeric (i.e., "garbage" data), these fields were zero filled.
- If the operating rate fields were blank or "obscure," the field was zero filled.
- The stack diameter fields were corrected as follows:
 - If the diameter was less than (0.20) (height), they were assumed to be correct.
 - If the diameter was greater than (0.20) (height), the "units" digit was calculated as 1/10th of the reported diameter; and the tens digit was calculated as the largest value possible without exceeding 20 percent of the stack height.
- Blank or zero stack temperatures were set to 70°F.

The above corrections enabled the data to be QA audited in the normal fashion. A list of potential errors was compiled and forwarded to the Project Officer on February 26, 1982. The most serious problems related to discrepancies that were detected between major point source emission values reported in the New Jersey SIP and those contained in the EIS file. The Project Officer identified 47 major facilities whose emission totals constituted the most significant discrepancies. An "error resolution" meeting was held at the NJDEP offices in Trenton, New Jersey on April 21 through 23, 1982. These correction efforts focused on the major facilities identified by the Project Officer. The EIS file for the identified facilities was compared to the New Jersey APEDS file, the NJDEP field office reports and the operating permit files. Inconsistencies generally fell into two categories:

- The APEDS-to-EIS conversion resulted in uncontrolled emissions being reported for certain points, thus creating a discrepancy.
- The APEDS file matched the EIS file, but emissions reported in the SIP reflected the field office reports which superceded the APEDS data.

A detailed list of the facility specific updates are presented in Table 2. Updates listed in Table 2 are in addition to the computerized corrections discussed previously.

NJDEP scaled up its 1982 SIP area source inventory to include emissions from <100 TPY VOC sources in SICs 20 to 39. Thus, the point and area source inventories reflect a "balance" (i.e., no double accounting of emissions) only if >100 TPY facilities are included in the point source inventory. To reflect this balance in the NECRMP inventory, GCA screened the EIS point source inventory deleting <100 TPY sources of VOC. Some minor discrepancies are introduced by the process because several large facilities (those exceeding 100 points) were broken into subfacilities in the New Jersey EIS file at the time of

TABLE 2. UPDATES MADE TO NEW JERSEY POINT SOURCES

Facility	EIS ID	Update action taken	Comments
<u>Bergen County (0300)</u>			
All Purpose Roll Leaf	1178	Added dummy point to match SIP VOC total.	EIS matched APEDS; no field office report.
Stranahan Foil	1172	Changed VOC at 15 points.	EIS matched APEDS; changed per field office report.
Tenneco	1158	Changed VOC at 24 points.	Per APEDS file; apparent conversion error.
Tenneco	1569	Changed VOC at 1 point.	Per APEDS file; apparent conversion error.
<u>Cumberland County (1050)</u>			
Owens-Illinois	0160	Changed NO _x at 1 point.	EIS matched APEDS; changed per field office report.
Owens-Illinois	0163	Added dummy point to match SIP NO _x total.	EIS matched APEDS; field office report provided only facility total.
Vineland Municipal Electric	0179	Changed NO _x at 1 point.	Per APEDS file.
Atlantic City Electric	0203	Deleted apparent duplicate point.	Per field office report.
<u>Essex County (1380)</u>			
Hoffman LaRoche	0926-0932	Deleted water vapor sources previously included as VOC.	EIS matched APEDS, field office report provided only facility total.

(continued)

TABLE 2 (continued)

Facility	EIS ID	Update action taken	Comments
Continental Oil (Pitt Consolidated)	0942, 0943	Changed VOC at 41 points.	Per field office report.
<u>Gloucester County (1760)</u>			
Mobil Oil-Greenwich	0229-0235	Changed VOC at last point (undefined SCC) to match SIP.	Missing from APEDS file; field office report provided only facility total.
Owens-Illinois	0269	Changed VOC at last undefined SCC (point 29) to match SIP.	EIS matched APEDS file; no field office report.
EKCO Products	0501	Coded as single-point facility.	Only facility data had been included in EIS.
<u>Hudson County (2240)</u>			
Public Service Electric & Gas - Jersey City	0534	Changed VOC and NO _x at 1 point.	EIS matched APEDS; changed per field office report.
Public Service Electric & Gas - Harrison	0535	Changed NO _x at 1 point, VOC at 2 points.	EIS matched APEDS; changed per field office report.
Public Service Electric & Gas - Kearney	053b	Reduced NO _x proportionately at all points to match SIP.	EIS matched APEDS; no field office report.
Mallinckrodt	0591	Changed NO _x at 1 point to match SIP.	EIS matched APEDS; no field report. Changed only boiler within facility.
BASF-Wyandotte	0596	Changed NO _x at 1 point, reduced VOC at all points to match SIP.	EIS matched APEDS; no field office report.

(continued)

TABLE 2 (continued)

Facility	EIS ID	Update action taken	Comments
Tenneco	0896	Changed VOC at 3 points.	EIS matched APEDS; changed per field office report.
Colgate-Palmolive	0531, 0532	Deleted Facility.	EIS matched APEDS but changed to less than 100 ton/yr for SIP.
<u>Hunterdon County (2260)</u>			
Jersey City P&L	0132	Reduced VOC at all points.	Per APEDS file.
Rexham Corp.	0151	Reduced VOC proportionately at all points to match SIP.	EIS matched APEDS; no field office report.
Tenneco	0156	Changed VOC at 11 points.	Per APEDS file; (accounts for controls at those 11 points).
<u>Middlesex County (3060)</u>			
Jersey Central Power & Light - South Amboy	0820	No change initiated.	EIS matched APEDS (VOC = 271 ton/yr); field office report shows 271 ton/yr; SIP indicates no VOC; 105 ton/yr NO _x ; but APEDS indicates the source consists only of storage tanks.
Jersey Central Power & Light - Sayreville	0821	Reduced VOC and increased NO _x proportionately at all points.	EIS matched APEDS, no field office report.

(continued)

TABLE 2 (continued)

Facility	EIS ID	Update action taken	Comments
Hercules, Inc.	0834, 0385	Reduced VOC at 11 points.	Per APEDS file, (accounts for controls at those points).
Inmont	0896	Changed VOC at 1 point to match SIP total.	EIS matched APEDS, no field office report. One point dominated VOC at facility and was adjusted to achieve agreement with SIP.
Alcan Aluminum	0915	Deleted 2 points to match SIP VOC total.	EIS matched APEDS, no field office report. SIP total matched VOC from 1 point in EIS, deleted other 2 to reach SIP agreement.
American Can - Edison	0920	Changed VOC at 10 points.	Per field office report.
American Can - Dayton	0923	Changed NO _x at 3 points, VOC at 13 points.	Per field office report.
GATX Terminals	0932-0934	No update initiated.	Review of APEDS and field report indicate difference of 32 ton/yr VOC due to rounding (less than 1% difference).
GATX - NJ Term	1432	Changed VOC at 2 points to match SIP total.	EIS Matched APEDS, changed per field office report.
Air Products	0966	Changed VOC at 5 points.	EIS matched APEDS, changed per field office report.

(continued)

TABLE 2 (continued)

Facility	EIS ID	Update action taken	Comments
Universal Oil	1319	Changed VOC at 26 points.	EIS matched APEDS, changed per field office report.
Mobil Chem Co.	1249	Changed VOC at 25 points.	Per APEDS file (accounts for controls at these points).
Ashland Oil	1133	Changed VOC at 1 point.	No APEDS file or field office report, added VOC to only VOC emitting point to achieve SIP agreement.
Dow Chemical	0898	Added 1 point accounting for entire facility's VOC.	EIS file contained only facility card.
<u>Morrmouth County (3180)</u>			
International Flavors and Fragrance	0637	Changed VOC at 23 points.	Per APEDS (accounts for controls at those points).
<u>Morris County (3260)</u>			
Pantosote	0722	Increased VOC proportionately at all points.	No APEDS file or field office report.
<u>Passaic County (4120)</u>			
Perrenial Print	0583	Changed NO _x at 1 point, VOC at 2 points.	EIS matched APEDS, changed per field office report.
Sun Chemical	0571	Changed NO _x at 4 points, VOC at 6 points.	EIS matched APEDS, changed per field office report.

(continued)

TABLE 2 (continued)

Facility	EIS ID	Update action taken	Comments
Watson Machine	0891	Changed NO _x and VOC at 1 point.	EIS matched APEDS, changed per field office report.
<u>Salem County (4900)</u>			
DuPont Chambers	0155-0168	Added dummy VOC point to match SIP total.	Emissions total for SIP changed at field office but no report.
<u>Somerset County (5020)</u>			
American Cyanamid	0368-0374	Deleted subplants 368-373 to achieve SIP match.	EIS matched APEDS, no field office report. One "subplant" matched SIP total, deleted remaining subplants.
<u>Union County (5440)</u>			
Exxon Refining	0703-0706	Changed VOC at 18 points.	EIS matched APEDS, changed per field office report.
Exxon Chemical Corp.	0768-0770	Changed VOC at 2 points.	Per APEDS file, (accounts for controls at those points).
General Motors	0871	Changed VOC at 2 points.	EIS matched APEDS, changed per field office report.
DuPont	0710	Changed VOC at 1 point.	Per APEDS (accounts for control at that point).

(continued)

TABLE 2 (continued)

Facility	EIS ID	Update action taken	Comments
Merck	0712-0714	Changed VOC at 2 points.	EIS matched APEDS, changed per field office report.
Ciba-Geigy	0723-0724	Changed VOC at 18 points.	Per APEDS file (accounts for controls at those points).
East Side Metal Stamping	0917	Changed NO _x at 1 point.	EIS matched APEDS changed per field office report.
<u>Warren County (5660)</u>			
Hoffman LaRoche	0096-0098	Changed VOC at 29 points.	Per APEDS file (accounts for controls at those points).
Southland Corp.	0101	Changed VOC at 14 points.	EIS matched APEDS, changed per field office report.

conversion from APEDS to EIS/P&R. These subfacilities are treated as independent plants in EIS. Those subfacilities emitting less than 100 tons/year of VOC or NO_x were therefore screened out by the GCA program and do not appear in the 100 tons/year source inventory. These cases, however, account for only a very small fraction of the total VOC and NO_x emissions.

RESULTS

For reporting purposes, point source emissions for New Jersey were aggregated into 70 categories based on specific SCC-SIC combinations. A complete description of the codes used to aggregate emissions is presented in Volume I.³ For points with multiple SCCs, no attempt was made to split emissions into more than one category. In these instances, the primary SCC was used to account for all emissions at that point.

Statewide point source emissions for 1980 are presented, by category, in Table 3. County-specific point source emissions are presented, by category, in Appendix A.

A list of all point sources contained in the major source inventory is provided in Table 4.

A preliminary New Jersey point source inventory was written onto computer tape for delivery to EPA for review. Included on the tape, which was forwarded on May 17, 1982, were the following files:

- EIS/PS Master File (1980) for all registered point sources
- EIS/PS Master File (1980) for all greater than 100 ton/year sources of VOC and/or NO_x
- NEDS (converted from EIS/PS Master File) for all point sources
- NEDS (converted from EIS/PS Master File) for greater than 100 ton/year sources of VOC and/or NO_x.

A final tape was submitted to EPA on November 29, 1982, reflecting all review comments. Further evaluation of the New Jersey emission inventory and improvements made are presented in Volume XVIII and Appendix D of this report.

TABLE 3. NEW JERSEY POINT SOURCE EMISSIONS (1980) BY CATEGORY--STATEWIDE
(>100 TPY Sources of VOC or NO_x)

STATE OR REGION TOTALS

CATEGORY	POINT COUNT	TSP	SC2	EMISSIONS (TONS/YEAR) NO _x	HC	CO
1 OIL AND GAS PRODUCTION & PROCESSING	0	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	53	9	0	0	50	0
3 GASOLINE AND CRUDE OIL STORAGE	3	0	0	0	531	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	97	47	0	0	942	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0
8 TANK TRUCK LOADING	17	654	0	0	1268	0
9 SERVICE STATION UNLOADING (STAGE I)	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0
11 OTHERS-STORAGE, TRANSP.. MKT OF VOC)	199	1508	0	0	3183	0
12 LUGG OIL MANUFACTURE	45	312	6259	9	2002	0
13 PETROLEUM REFINERIES	45	196	6894	225	139	293
14 PHARMACEUTICAL MANUFACTURE	187	4633	84	87	174	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	795	42516	0	0	2452	4
16 SYNTHETIC FIBER MANUFACTURE	26	17	0	0	39	1
17 ORGANIC CHEMICAL MANUFACTURE	427	1170	1062	170	2145	657
18 INORGANIC CHEMICAL MANUFACTURE	351	2809	6465	23	2186	29
19 FERMENTATION PROCESSES	1	4	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0
23 SBR RUBBER MANUFACTURE	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	2375	19720	10458	4391	15479	972
25 IRON AND STEEL MANUFACTURE	50	151	0	379	153	42
26 TOBACCO PRODUCTS	0	0	0	0	0	0
27 FOOD PRODUCTS	273	2548	0	285	1045	0
28 TEXTILE MILL PRODUCTS	25	242	0	0	531	0
29 LUMBER AND WOOD PRODUCTS	7	78	0	0	11	0
30 PAPER AND ALLIED PRODUCTS	11	195	0	0	0	0
31 STONE,CLAY,GLASS,CONCRETE	313	6893	2041	1163	781	9630
32 PRIMARY & SECONDARY METALS & ELECTRICAL	153	340	29	43	4414	0
33 FABRICATED METAL PRODUCTS	271	1411	0	38	1003	0
34 IN-PROCESS FUEL USE	8	5	0	0	116	0
35 OTHERS - (INDUSTRIAL PROCESSES)	6186	24001	488	3134	88110	29
36 ADHESIVES	1	0	0	0	157	0
37 IND. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0
38 IND. SFC. COATING-MAGNET WIRE	3	0	0	0	13	0
39 IND. SFC. COATING-AUTOMOBILE	21	411	0	0	1800	0
40 IND. SFC. COATING-CANS	24	59	0	0	772	0
41 IND. SFC. COATING-METAL COILS	0	0	0	0	0	0
42 IND. SFC. COATING-PAPER	0	0	0	0	0	0
43 IND. SFC. COATING-FABRIC	0	0	0	0	0	0
44 IND. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0
45 IND. SFC. COATING-MISC./WOOD PRODUCTS	12	1	0	0	148	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0
49 IND. SFC. COATING-MISC.METAL PRODUCTS	57	273	0	0	542	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	124	120	0	14	2471	0

TABLE 3 (continued)

STATE OR REGION TOTALS

CATEGORY	POINT COUNT	TSP	SO ₂	EMISSIONS (TONS/YEAR)	HC	CO
51 DEGREASING	7	1	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0
53 GRAPHIC ARTS	23	66	0	0	1049	0
54 OTHER - (SOLVENT USE)	8	29	0	0	5	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0
56 AUTO REFINISHING	1	13	0	0	100	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	2	4	0	0	124	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	74	12316	137342	108035	1732	5157
59 EXT. COMB. BOILERS-INDUSTRIAL	372	21215	339823	43867	6916	31290
60 EXT. COMB. BOILERS-COMM/INST	48	1325	7006	4084	429	1248
61 EXT. COMB. SPACE HEATERS-INDUST.	47	3478	35829	8613	1423	43287
62 EXT. COMB. SPACE HEATERS-COMM.	10	357	4688	2582	143	716
63 OTHERS-(FUEL COMBUSTION)	420	3580	19128	8203	11928	1413
64 SOLID WASTE DISPOSAL-GOVT.	1	1	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST	2	1	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	37	524	1	40	10	83
67 OTHER SOLID WASTE DISPOSAL	11	22	170	0	135	0
68 WASTE SOLVENT RECOVERY PROCESSES	30	0	0	0	186	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	67	6772	10507	19444	1264	18922
70 NOT CLASSIFIED	7	0	0	0	127	0
STATE OR REGION TOTALS		160027	588276	204844	158228	113773

TABLE 4. NEW JERSEY POINT SOURCES (1980) EMITTING MORE THAN 100 TON/YEAR OF VOC OR NO_x

STATE	COUNTY	ADCR	PLANT	FACILITY	TSP	SO ₂	NO _x	HC	CO
						EMISSIONS (TONS/YEAR)			
31	80	0269	UNITED STATES GOVERNMENT		24	256	120	17	10
31	300	43	LOWE PAPER COMPANY		85	150	272	19	14
31	300	43	C.P.C. INTERNATIONAL, INC.		68	2	0	284	0
31	300	43	1112	*	71	132	188	623	16
31	300	43	1113	SANDOZ-WANDER INC.	338	59	2107	246	175
31	300	43	1114	STEPAN CHEMICAL COMPANY	11	176	32	133	3
31	300	43	1115	DIAMOND SHAMROCK CORPORATION	74	8	0	243	0
31	300	43	1117	PUBLIC SERVICE ELECTRIC & GAS CO.	1505	9251	583	42	20
31	300	43	1119	GAROLIN STATE PAPER CO., INC.	324	538	1220	10	51
31	300	43	1120	MARCAL PAPER MILLS INC.	196	110	300	6	26
31	300	43	1144	CURTISS-WRIGHT CORPORATION	885	109	288	18	0
31	300	43	1146	UNIFOIL CORPORATION	0	0	0	940	0
31	300	43	1152	SCIENTIFIC CHEMICALS, INC.	0	0	0	506	0
31	300	43	1158	TENNECO CHEMICALS, INC.	582	0	0	250	0
31	300	43	1157	PHILLIPS FUEL COMPANY	0	0	0	371	0
31	300	43	1172	STRANAHAN FOIL CO INC	0	0	0	686	0
31	300	43	1178	ALL PURPOSE ROLL LEAF CORP	16	0	0	1050	0
31	300	43	1187	AEROCLO CORPORATION	0	0	0	288	0
31	300	43	1329	FEIN CONTAINER CORP	46	0	0	152	0
31	300	43	1452	MAPP CHEMICALS INC.	246	0	0	392	0
31	300	43	1536	SIKA CHEMICAL CORPORATION	49	18	32	103	1
31	300	43	1569	TENNECO CHEMICALS, INC.	146	113	155	464	143
31	300	43	1590	UNIVERSAL LUSTRE LEAF INC.	0	0	0	115	0
31	300	43	1627	AMERADA RESS CORP	0	0	0	420	0
31	300	43	1656	CUSTOM CHEMICALS CO., INC.	0	0	0	115	0
31	300	43	1715	STOPLY MUELLER INC	0	0	0	111	0
31	300	43	1877	SECOR, INC.	1	0	155	2	0
31	300	43	2192	GEORGIA-PACIFIC CORP	102	8	272	11	22
31	660	45	0419	PUBLIC SERVICE ELECTRIC & GAS CO.	1273	1019	4147	71	287
31	660	45	0421	TENALCO CHEMICALS, INC.	34048	50	90	218	4
31	660	45	0428	UNITED STATES GOVERNMENT	21	33	157	35	13
31	660	45	0438	NATIONAL GYPSUM COMPANY	291	499	232	0	0
31	660	45	0442	COMBUSTION ENGINEERING, INC.	90	223	246	1	1
31	660	45	0442	ITCO INC.	12	0	0	131	0
31	660	45	0504	HULLY ASSOCIATES, INC.	14	0	0	124	0
31	660	45	0544	CELREX CHEMICAL INDUSTRIES, INC.	0	0	1	146	0
31	740	45	0425	C-F CORP.	493	350	508	20	25
31	740	45	0436	GEORGIA-PACIFIC CORPORATION	14	55	112	4	6
31	740	45	0439	OWENS CORNING FIBERGLAS CORPORATION	1943	135	260	19	25
31	740	45	0441	KOHNSTEIN, H. & CO., INC.	29	142	217	11	11
31	740	45	0442	BOLF & WESTERN INDUSTRIES	367	2638	517	43	27
31	740	45	0460	CLERENT "GOVERNALL" COMPANY	0	0	0	146	0
31	740	45	0465	CORDELL SOAP COMPANY	123	426	717	85	36
31	740	45	0476	PANAMA CHEMICAL COMPANY	721	750	201	58	11
31	740	45	0474	MATICO, INC.	47	2	3	293	0
31	740	45	0485	ALUMINUM SHAPES, INC.	11	0	34	102	2
31	740	45	0486	AMERADA HESS CORPORATION	7	13	1	234	2
31	740	45	0491	CITIES SERVICE OIL COMPANY	0	0	0	614	0
31	740	45	0497	JOHNS-MARVILLE SALES CORPORATION	165	0	0	277	0
31	740	45	0499	OWENS CORNING FIBERGLAS CORPORATION	119	28	109	214	2
31	740	45	0730	UNITED STATES GYPSUM COMPANY	42	77	125	5	6
31	740	45	0750	FLY-GEN MANUFACTURING CO.	4	0	0	176	0

TABLE 4 (continued)

STATE	COUNTY	AGCR	PLANT	FACILITY	TSP	SO ₂	NO _x	HC	CO
31	780	150	0117	ATLANTIC CITY ELECTRIC COMPANY	3004	57856	23076	151	473
31	780	150	0124	ATLANTIC CITY ELECTRIC COMPANY	18	22	248	21	56
31	780	150	0163	GRACE OIL COMPANY	0	0	0	225	0
31	1050	150	0161	KERR GLASS MFG. CORP.	264	1172	58	132	4
31	1050	150	0163	OLENS-ILLINOIS, INC.	2418	2631	1795	521	48
31	1050	150	0179	VINLAND MUNICIPAL ELECTRIC UTILITY	6859	4751	1371	6	33
31	1050	150	0202	APRAH MANUFACTURING CORP.	190	3233	1373	77	381
31	1050	150	0203	ATLANTIC CITY ELECTRIC COMPANY	15	39	271	3	16
31	1050	150	0204	ELLCO GLASS, INC.	69	1438	763	42	173
31	1050	150	0212	CASE CORPORATION	163	3537	141	370	358
31	1050	150	0217	COMMERCIAL FUEL CORP.	0	0	0	100	0
31	1050	150	0218	CREST CONTAINER CORP.	46	11	701	148	16
31	1050	150	0240	LEEDS & NORTHRUP COMPANY	92	1050	663	38	184
31	1050	150	0244	MANISCHEWITZ FOOD PRODUCTS CORP.	43	618	472	21	137
31	1050	150	0245	MARTIN CORPORATION	281	1118	1407	23	117
31	1050	150	0246	MAUL BROTHERS INC.	162	11	1805	147	361
31	1050	150	0259	AGRILOY SIMON CORPORATION	8121	263537	474	676	3383
31	1050	150	0290	WEST COMPANY, THE	237	12	3121	52	295
31	1050	150	0291	TUSCARORA PLASTICS, INC.	6	4	18	121	1
31	1050	150	0293	WHEATON INDUSTRIES	35	35	735	0	9618
31	1050	150	0301	DAVIS, H.M. & SONS, INC.	640	11633	100	256	1280
31	1050	150	0303	ROSSI OIL COMPANY	6	0	0	156	0
31	1050	150	0311	JOHN'S BODY SHOP	13	0	0	100	0
31	1050	150	0314	CUMBERLAND COUNTY SEWERAGE AUTHORITY	1089	18826	100	436	2178
31	1360	43	0926	HOFFMAN LAROCHE INC.	1463	633	1092	3	70
31	1360	43	0928	*	341	230	302	270	26
31	1360	43	0929	*	24	0	0	220	0
31	1360	43	1932	*	31	0	0	113	0
31	1360	43	0938	PABST BREWING COMPANY	17	132	257	0	11
31	1360	43	0939	ARMOUR-BUSCH INCORPORATED	179	2	1304	12	54
31	1360	43	0942	PITT-CONSOL CHEM. CO.	24	0	0	184	0
31	1360	43	0943	*	25	1159	2746	38	4
31	1360	43	0946	PUBLIC SERVICE ELECTRIC & GAS COMPANY	6345	7339	15993	1160	18371
31	1360	43	0949	GAS PRODUCTS CORPORATION	2115	1056	147	412	1550
31	1360	43	0977	BERKMAN & CO., INC.	34	0	61	437	7
31	1360	43	1001	COX OIL COMPANY OF PENNSYLVANIA	0	0	0	164	0
31	1360	43	1015	LEXCO INC.	0	0	0	0	0
31	1360	43	1019	SATY OIL COMPANY	0	0	0	0	0
31	1360	43	1021	TENNECO OIL COMPANY	0	0	0	0	0
31	1360	43	1022	CHASE CHEMICAL COMPANY	59	0	0	421	0
31	1360	43	1029	ENGELHARD MINERALS & CHEMICALS CORP	621	0	7	138	0
31	1360	43	1036	C.P.C. INTERNATIONAL, INC.	217	119	148	77	12
31	1360	43	1052	CELANESE CHEMICAL COMPANY	16	0	0	1079	607
31	1360	43	1054	CRAIG PARK APARTMENTS INC.	186	2656	100	92	464
31	1360	43	1195	CHEM-FLEUR INC	0	1	0	132	0
31	1360	43	1220	ESSEX COUNTY BOARD OF CHOSEN FREEHOLDERS	85	229	430	10	36
31	1360	43	1254	INLAND CHEMICAL CORP.	182	235	342	459	28
31	1360	43	1269	KREPPENTZ & CO.	422	1113	100	35	175
31	1360	43	1371	LANCASTER CHEMICAL CO.	16	16	6	1001	7
31	1360	43	1358	G.PETROLEUM INC.	0	0	0	177	0
31	1360	43	1542	OLD DEERFIELD FABRICS, INC.	0	0	0	312	0
31	1360	43	1587	WESTINGHOUSE ELECTRIC CORP	311	198	326	15	16

TABLE 4 (continued)

STATE	COUNTY	ACCR	PLANT	FACILITY	TSP	SO ₂	NO _x	HC	CO
						EMISSIONS (TONS/YEAR)			
31	1360	43	1603	ARVEY CORP.	7	0	0	830	0
31	1760	45	0222	AIR PRODUCTS AND CHEMICALS, INC.	161	105	30	113	0
31	1760	45	0223	OUPOUT DE REMOURS, E.I., & CO., INC.	594	2081	702	630	0
31	1760	45	0225	TEXACO INC	449	3601	2744	4627	222
31	1760	45	0226	*	13	0	132	4803	9
31	1760	45	0227	*	112	853	326	114	27
31	1760	45	0229	MOBIL OIL CORPORATION	1558	9253	6235	336	396
31	1760	45	0230	*	0	0	0	1703	0
31	1760	45	0231	*	13	0	0	451	0
31	1760	45	0232	*	0	0	0	193	0
31	1760	45	0233	*	0	0	0	216	0
31	1760	45	0235	*	36	54	70	162	4
31	1760	45	0237	SPELL CHEMICAL COMPANY	335	70	128	132	11
31	1760	45	0251	DEL MONTE CORPORATION	10	0	0	198	0
31	1760	45	0253	GULF OIL COMPANY-U.S.	0	0	0	190	0
31	1760	45	0254	FENWALT CORPORATION	14	34	58	139	2
31	1760	45	0255	B.P. OIL, INC.	25	115	197	992	16
31	1760	45	0257	ATLANTIC CITY ELECTRIC COMPANY	6	33	413	5	39
31	1760	45	0258	COLUMBIA PIPELINE COMPANY	12	0	0	331	0
31	1760	45	0264	EXXON CORPORATION	1	1	0	2565	0
31	1760	45	0268	MONSANTO COMPANY	146	134	178	123	9
31	1760	45	0269	GWENS-ILLINOIS, INC.	255	14	42	3797	2
31	1760	45	0280	BRIDGEPORT RENTAL & OIL SERVICE, INC.	1	6	8	276	1
31	1760	45	0337	MANHUA F. FUEL OIL TERMINAL, INC.	7	36	50	320	6
31	1760	45	0342	MOBIL OIL CORPORATION	0	0	0	474	0
31	1760	45	0351	PAKTANK PHILADELPHIA COMPANY	4	6	6	121	0
31	1760	45	0355	ATLANTIC RICHFIELD COMPANY	0	0	0	136	0
31	1760	45	0501	EKCO PRODUCTS	0	0	0	700	0
31	2240	43	0516	C.P.C. INTERNATIONAL, INC.	770	156	198	5	16
31	2240	43	0521	GWENS-ILLINOIS, INC.	116	315	1760	71	51
31	2240	43	0529	PUBLIC SERVICE ELECTRIC & GAS CO.	29	38	95	321	5
31	2240	43	0534	PUBLIC SERVICE ELECTRIC & GAS CO.	31	238	5011	74	320
31	2240	43	0535	PUBLIC SERVICE ELECTRIC & GAS COMPANY	64	20	105	356	3
31	2240	43	0536	PUBLIC SERVICE ELECTRIC & GAS COMPANY	830	3434	2962	55	483
31	2240	43	0564	LIGHTOLIER INCORPORATED	57	252	175	23	1
31	2240	43	0572	UNION OIL COMPANY OF CALIFORNIA	0	0	0	134	0
31	2240	43	0575	MICROMASTER OXYX CORPORATION	10	0	0	100	0
31	2240	43	0582	INLAND STEEL CONTAINER COMPANY	3	0	0	141	0
31	2240	43	0586	ICI AMERICAS INC	22	0	3	971	13
31	2240	43	0587	EL DORADO TERMINALS CORPORATION	22	0	0	240	0
31	2240	43	0588	GROCON TERMINAL SERVICE CO.	3413	0	0	473	0
31	2240	43	0591	KALLINGKRODT INC	44	0	0	8	0
31	2240	43	0594	PKRERIZED SCHIABO NEW COMPANY	66	4	5	100	0
31	2240	43	0596	BAF JYANDOTTE CORPORATION	112	356	234	464	97
31	2240	43	0597	GENERAL FOODS CORP.	387	19	2	120	2
31	2240	43	0599	BAYOHNE INDUSTRIES INCORPORATED	0	0	0	100	0
31	2240	43	0613	TECHNICAL PLASTIC EXTRUDERS INC	42	0	0	126	0
31	2240	43	0693	EL DORADO TERMINALS CORPORATION	122	0	0	256	0
31	2240	43	0856	TENNECO INC	0	0	0	614	0
31	2240	43	0915	VALIANT METAL PRODUCTS CORP	0	0	0	100	0
31	2240	43	0925	WHITE CHEMICAL CORPORATION	8	0	0	190	0
31	2240	43	0935	MUBAY CHEMICAL CORP.	0	3	0	186	0

TABLE 4 (continued)

STATE	COUNTY	ADCR	PLANT	FACILITY	TSP	SO ₂	NO _x	HC	CO
					EMISSIONS (TONS/YEAR)				
31	2260	151	3132	JERSEY CENTRAL POWER & LIGHT COMPANY	440	6131	5961	114	581
31	2260	151	0133	RISCEL PRODUCTS CORPORATION	116	36	260	16	56
31	2260	151	0151	REXHAM CORPORATION	0	0	0	146	0
31	2260	151	0156	TENNOCO CHEMICALS, INC.	6	0	0	100	0
31	2260	151	0192	EXXON COMPANY, USA	0	0	0	170	0
31	2260	151	0230	JERSEY CENTRAL POWER & LIGHT COMPANY	32	293	289	0	0
31	2260	45	0461	PUBLIC SERVICE ELECTRIC & GAS CO.	712	19435	14115	132	461
31	2960	45	0480	GENERAL MOTORS CORPORATION	308	0	0	189	0
31	3060	43	0817	READING COMPANY	55	2	194	7	9
31	3060	43	0820	JERSEY CENTRAL POWER & LIGHT COMPANY	0	0	0	271	0
31	3060	43	0821	JERSEY CENTRAL POWER & LIGHT COMPANY	547	1971	4308	0	211
31	3060	43	0822	PUBLIC SERVICE ELECTRIC & GAS CO.	715	2622	18290	55	275
31	3060	43	0823	STOFFER CHEMICAL COMPANY	39	2	0	2375	0
31	3060	43	0825	F.M.C. CORPORATION	305	134	204	214	17
31	3060	43	0826	NL INDUSTRIES, INC.	5140	2551	1	256	0
31	3060	43	0829	*	168	35	296	70	36
31	3060	43	0831	DUPONT DE NEMOURS, E.I., & CO., INC.	377	117	90	559	12
31	3060	43	0832	*	0	0	0	245	0
31	3060	43	0833	*	192	4	2	531	0
31	3060	43	0834	HERCULES INCORPORATED	759	419	641	1030	40
31	3060	43	0835	DUPONT DE NEMOURS, E.I., & CO., INC.	100	0	0	500	0
31	3060	43	0836	SHELL OIL COMPANY	42	0	0	649	0
31	3060	43	0839	*	442	0	0	116	0
31	3060	43	0840	CHEVRON U.S.A., INC.	4	2	56	1096	4
31	3060	43	0842	*	126	4430	334	3075	821
31	3060	43	0843	FORD MOTOR COMPANY	56	152	0	1077	144
31	3060	43	0845	UNION CARBIDE CORPORATION	509	0	0	107	0
31	3060	43	0854	*	845	854	1152	44	102
31	3060	43	0855	TENNOCO CHEMICALS	1000	1	1	127	0
31	3060	43	0857	*	24	1	0	830	823
31	3060	43	0858	AMERADA HESS CORP.	0	0	0	295	0
31	3060	43	0859	BASE WYANDOTTIC CORPORATION	1550	32	0	363	1
31	3060	43	0877	QUICKBURGE TERMINAL INC	162	112	143	845	12
31	3060	43	0892	INCHT CORPORATION	206	321	706	211	0
31	3060	43	0895	U.S. CHEMICAL U.S.A.	210	0	0	1529	0
31	3060	43	0896	WITCO CHEMICAL CORPORATION	0	0	100	4732	0
31	3060	43	0905	MESCHAM L&S	413	472	32	199	1
31	3060	43	0912	ALCAN ALUMINUM CORP.	422	43	0	2258	2
31	3060	43	0915	AMOCO OIL COMPANY	0	0	2	1035	0
31	3060	43	0917	SHERWIN-WILLIAMS COMPANY, THE	1056	6	0	312	0
31	3060	43	0919	AMERICAN CAN CO.	1457	0	0	603	0
31	3060	43	0920	AMERICAN CAN CO.	6	0	0	371	0
31	3060	43	0923	REYNOLDS METAL COMPANY	380	0	176	185	3
31	3060	43	0925	GATX TERMINALS CORPORATION	4	0	0	204	0
31	3060	43	0932	*	4	0	0	579	0
31	3060	43	0933	*	0	0	0	165	0
31	3060	43	0934	AMERICAN STANDARD INC.	16	0	0	2036	0
31	3060	43	0935	ROYAL PETROLEUM CORPORATION	19	0	0	102	0
31	3060	43	0937	SAYTECH, INC.	0	0	0	117	0
31	3060	43	0940	JOHNSON & JOHNSON CO., INC.	198	206	0	150	0
31	3060	43	0945	COLONIAL PIPELINE COMPANY	1277	0	0	355	0
31	3060	43	0951	*	0	0	0	1245	0

TABLE 4 (continued)

STATE	COUNTY	ADCR	PLANT	FACILITY	TSP	SO ₂ EMISSIONS (TONS/YEAR)	NOX EMISSIONS (TONS/YEAR)	HC EMISSIONS (TONS/YEAR)	CO
31	3060	43	0955	KAISER ALUMINUM & CHEMICAL CORPORATION	59	3	5	266	3
31	3060	43	0960	APERADA HESS CORP	0	0	0	425	0
31	3060	43	0956	AIR PRODUCTS & CHEMICALS, INC.	42	51	0	102	0
31	3060	43	0975	JOHNSON & JOHNSON CO., INC.	1167	30	210	4	6
31	3060	43	0977	JOHNSON & JOHNSON CO., INC.	16	30	210	4	6
31	3060	43	0988	AMERICAN CAL CO.	100	102	174	162	9
31	3060	43	1025	CARTER-MALLACE INC	33	23	28	100	2
31	3060	43	1032	WARNER-LAMBERT COMPANY	127	820	553	30	154
31	3060	43	1040	F.M.C. CORPORATION	1097	29	18	744	3
31	3060	43	1047	ITT CONTINENTAL BAKING CO., INC.	4	0	0	124	0
31	3060	43	1077	SOUTH BRUNSWICK CO. OF EDUCATION	250	3950	1800	100	500
31	3060	43	1081	STANDARD BRANDS, INC.	4	22	8	139	2
31	3060	43	1093	HUBER, J. M. CORPORATION	9	0	0	124	0
31	3060	43	1111	TENNECO CHEMICALS, INC.	124	0	0	629	0
31	3060	43	1132	METZ METALLURGICAL CORPORATION	59	0	48	100	0
31	3060	43	1133	ASHLAND OIL AND REFINING COMPANY	10	6	14	554	0
31	3060	43	1182	GREYFUS, L.A., COMPANY	278	54	156	15	3
31	3060	43	1216	CELOTEX CORPORATION	29	0	0	396	0
31	3060	43	1249	MOBIL CHEMICAL COMPANY	17	20	24	517	3
31	3060	43	1269	PILOT LABORATORIES INC.	158	75	0	152	0
31	3060	43	1338	B.A.S. TERMINALS, INC.	2	0	0	2358	0
31	3060	43	1319	UNIVERSAL OIL PRODUCTS, INC.	47	53	59	2753	0
31	3060	43	1334	APERADA HESS CORP	0	0	0	333	0
31	3060	43	1353	SHANT, WILLIAM A. SONS, INC.	0	0	0	192	0
31	3060	43	1364	PRIVATE FORMULATIONS, INC.	49	45	100	7	54807
31	3060	43	1432	GATX NEW JERSEY TERMINALS CORP	23	23	39	701	2
31	3180	43	0637	INTERNATIONAL FLAVORS & FRAGRANCES INC.	1278	201	177	390	13
31	3180	43	0640	MLSILE CO., INC., THE	30	176	302	12	15
31	3180	43	0654	ERCKEY GLASS COMPANY INC.	30	334	410	0	0
31	3180	43	0657	SEACAST PRODUCTS, INC	71	172	305	523	17
31	3180	43	0677	WESTERN MOUNTAIN UTILITIES AUTHORITY	29	227	126	5	6
31	3180	43	0715	CHARMS COMPANY	1230	24638	100	614	3061
31	3180	43	0933	NEPTUNE TOWNSHIP SEWAGE AUTHORITY	34	12	32	100	2
31	3260	43	0659	PVO INTERNATIONAL INC	44	53	217	20	7
31	3260	43	0663	UNITED STATES GOVERNMENT, ARRAIDCOM	26	119	203	7	9
31	3260	43	0665	WHIFFANY PAPER BOARD CO., INC.	323	1195	1764	25	126
31	3260	43	0666	HERGULES INCORPORATED	114	0	0	165	0
31	3260	43	0722	PANTASOTE COMPANY OF N. Y. INC.	0	0	0	1554	0
31	3260	43	0801	BATES MANUFACTURING COMPANY, THE	26	11	29	105	0
31	3260	43	0827	MURKLAND	0	0	0	111	0
31	3260	43	0850	FRITZSCHE DODGE & GILCOTT, INC.	245	29	51	517	0
31	3260	43	0888	SAXTON FALLS SALT & GRAVEL CO INC	7	0	0	116	0
31	3260	43	0947	WARNER-LAMBERT COMPANY	443	336	1	159	0
31	3900	150	0313	TOMS RIVER CHEMICAL CORPORATION	18	32	134	1	7
31	3900	150	0398	POINT PLEASANT HOSPITAL	0	0	1051	2	285
31	3900	150	0400	RHONE-POULENC INC.	39	639	285	15	78
31	3900	150	0417	RHONE-POULENC INC	68	39	496	28	138
31	3900	150	0446	MEENAN OIL CO., INC.	0	0	0	115	0
31	3900	150	0468	SHORE GAS AND OIL CO	0	0	0	436	0
31	3920	150	0459	NICO OIL COMPANY, INC	0	0	0	218	0
31	4120	43	0539	PANTASOTE COMPANY OF NEW YORK, INC.	1097	53	108	46	5

TABLE 4 (continued)

STATE	COUNTY	AGGR	PLANT	FACILITY	TSP	SO ₂	EMISSIONS (TONS/YEAR)	HC	CO
							NO _x		
31	4120	43	0571	SUN CHEMICAL CORPORATION	16	22	1406	56	16
31	4120	43	0574	MISSOURI-EMERSON PRINTS INC	956	10178	103	355	1768
31	4120	43	0583	PERMANENT PRINT CORPORATION	36	17	946	38	27
31	4120	43	0590	GIVAUDAN CORPORATION	37	11	6	222	0
31	4120	43	0591	"	69	0	0	291	0
31	4120	43	0595	ROYAL FINISHING CORPORATION	0	0	0	291	0
31	4120	43	0595	ROYAL FINISHING CORPORATION	30	119	162	377	12
31	4120	43	0603	HAITZSCH DODGE & OLCHT, INC.	0	0	0	218	0
31	4120	43	0628	HAITZSCH PRINTS, INC.	0	0	0	100	3
31	4120	43	0632	HEATRIC MANUFACTURING COMPANY, THE	5	5	3	316	1573
31	4120	43	0661	P.J.S. CORP.	786	458	100	121	0
31	4120	43	0707	SETEX SALES COMPANY	7	12	337	3	0
31	4120	43	0717	DOULE K NUTS	0	0	0	320	0
31	4120	43	0776	HEINICH OIL COMPANY	25	34	701	26	8
31	4120	43	0691	NATION MACHINE COMPANY, THE	0	0	0	130	0
31	4120	43	0914	KARLON-AURICH PRODUCTS, INC.	762	1695	8995	185	370
31	4920	45	0675	ATLANTIC CITY ELECTRIC COMPANY	233	2334	277	1	4
31	4920	45	0697	ANCHER HOOKING CORPORATION	3617	537	213	149	24
31	4920	45	0100	GOODRICH, B.F. CHEMICAL CO.	134	31	44	141	4
31	4920	45	0101	"	109	14	16	102	0
31	4920	45	0107	MANNINGTON MILLS INC.	41	521	569	35	81
31	4920	45	0135	PUBLIC SERVICE ELECTRIC & GAS CO.	82	739	1	130	0
31	4920	45	0157	DUPONT DE NEMOURS, E.I., & CO., INC.	352	4	170	140	0
31	4920	45	0162	DUPONT DE NEMOURS, E.I., & CO., INC.	97	212	0	128	0
31	4920	45	0165	DUPONT DE NEMOURS, E.I., & CO., INC.	820	32	2	4680	0
31	4920	45	0167	DUPONT DE NEMOURS, E.I., & CO., INC.	4	0	0	1603	0
31	4920	45	0168	"	49	278	1439	618	73
31	5020	43	0374	AMERICAN CYANAMID	845	679	854	18	71
31	5020	43	0377	"	262	34	32	190	27
31	5020	43	0380	GAF CORP.	529	2	1	104	0
31	5020	43	0389	PART INDUSTRIES, WILSON PRODUCTS	110	37	47	441	3
31	5020	43	0411	JOHNSON & JOHNSON CO., INC.	6	0	0	112	0
31	5020	43	0423	STERLING DRUG INC.	0	0	0	104	0
31	5020	43	0430	ACRIPRES CORP.	18	44	44	198	44
31	5020	43	0442	ZINSSER WILLIAM AND CO. INC.	0	0	0	200	0
31	5020	43	0521	SEARS ROEBUCK & CO.	354	0	8	547	0
31	5020	43	0541	UNION CARBIDE CORPORATION	228	132	1650	93	459
31	5020	43	0551	TAKARA COMPANY, N.Y. INC.	19	0	0	232	0
31	5300	151	0111	SHOFMEYER BROTHERS INC.	0	7	7	209	4
31	5300	151	0140	COMPAC CORPORATION	1	0	0	2160	0
31	5440	43	0702	CITIES SERVICE OIL COMPANY	192	6444	0	2703	0
31	5440	43	0703	EXXON CHEMICAL COMPANY/EXXON CORPORATION	4	0	0	250	0
31	5440	43	0704	"	0	0	0	341	0
31	5440	43	0705	"	4	0	0	151	0
31	5440	43	0706	"	4	0	0	151	0
31	5440	43	0707	BELL TELEPHONE LABORATORIES, INCORPORATED	47	344	579	10	48
31	5440	43	0709	GENERAL MOTORS CORP.	45	0	0	1865	0
31	5440	43	0710	DUPONT DE NEMOURS, E.I., & CO., INC.	181	3719	203	1426	32
31	5440	43	0712	PERK & CO., INC.	1233	2177	1028	140	0
31	5440	43	0713	"	3917	6	86	906	0
31	5440	43	0714	"	84	0	0	101	0
31	5440	43	0716	PUBLIC SERVICE ELECTRIC & GAS CO.	3018	21359	22945	712	2204
31	5440	43	0717	REICHOLD CHEMICALS INC	0	0	0	413	0

TABLE 4 (continued)

STATE	COUNTY	AQCR	PLANT	FACILITY	TSP	SO ₂	NO _x	HC	CC
					EMISSIONS (TONS/YEAR)				
31	5440	43	0718	*	29	176	98	249	7
31	5440	43	0723	CIBA-GEIGY CORPORATION	304	179	254	277	32
31	5440	43	0760	ECOLO TLC INC	127	0	0	145	0
31	5440	43	0763	DUCK REGINS CORP	87	0	0	127	0
31	5440	43	0768	EXXON CHEMICAL COMPANY/EXXON CORPORATION	47	18	80	1330	0
31	5440	43	0759	*	70	0	0	2300	0
31	5440	43	0770	*	23	0	0	197	0
31	5440	43	0773	AMERICAN CYANAMID COMPANY	9163	839	2145	792	0
31	5440	43	0774	*	103	15	0	311	0
31	5440	43	0777	R.P. OIL, INC.	9	0	0	347	0
31	5440	43	0778	BUCKEYE PIPE LINE COMPANY, THE	7	0	0	247	0
31	5440	43	0781	DRI-PRINT FILLS INC	0	0	0	352	0
31	5440	43	0782	G.A.F. CORPORATION	149	400	4	4850	0
31	5440	43	0743	*	4	0	0	3070	0
31	5440	43	0765	GULF OIL CO.-U.S.A.	0	0	0	179	0
31	5440	43	0788	MOBIL OIL CORPORATION	9	0	0	3689	0
31	5440	43	0752	SCHERING CORPORATION	207	179	270	512	24
31	5440	43	0755	U. S. GYPSUM COMPANY	30	117	162	517	15
31	5440	43	0796	WILCO BRASS & COPPER COMPANY	560	0	0	100	0
31	5440	43	0800	NORTHVILLE LINDE TERMINAL CORP	8	39	42	312	4
31	5440	43	0801	ATLANTIC METAL PRODUCTS INC.	0	0	0	193	0
31	5440	43	0803	SOLVENTS RECOVERY SERVICE OF NEW JERSEY	0	0	0	753	0
31	5440	43	0847	EXXON CHEMICAL COMPANY/EXXON CORPORATION	0	0	0	147	0
31	5440	43	0864	METAL LITHO CORPORATION	0	0	14	404	0
31	5440	43	0871	GENERAL MOTORS CORPORATION	27	34	137	204	9
31	5440	43	0883	AMERICAN LEATHER MANUFACTURING CO. INC.	26	0	0	146	0
31	5440	43	0917	EAST STAR METAL STAMPING CORP	0	0	378	143	42
31	5440	43	0966	WALSTROM CHEMICAL CORPORATION	0	20	25	440	2
31	5440	43	1123	SOLAR COMPOUNDS CORP.	2744	0	0	1372	0
31	5440	43	1184	PORT AUTHORITY OF NEW YORK & NEW JERSEY	0	0	0	207	0
31	5660	151	0087	*	75	927	379	44	27
31	5660	151	0088	INMOUNT CORPORATION	46	6	0	224	0
31	5660	151	0090	AMERICAN CAL COMPANY	6	0	0	220	0
31	5660	151	0094	INGERSOLL RAND COMPANY	954	1535	1585	60	61
31	5660	151	0095	*	10	154	3	110	2
31	5660	151	0096	HUFFMAN LAROCHE INC.	700	22	2178	260	109
31	5660	151	0097	*	37	0	0	453	0
31	5660	151	0098	*	991	0	0	434	0
31	5660	151	0101	SOUTHLAND CORPORATION, THE	452	5995	3	2303	0
31	5660	151	0169	WHITE TOWNSHIP BOARD OF EDUCATION	220	13	100	176	440
TOTALS					160027	538275	204844	150228	113773

*Reflects continuation of previous facility for facilities containing more than 100 emission points.

SECTION 4

AREA SOURCE INVENTORY DEVELOPMENT

OBJECTIVES

The area source emission inventory task entailed reviewing area source inventories prepared by the states for technical accuracy and consistency with EPA-prescribed procedures and developing these area source inventories where state-developed inventories were unavailable. The major objective of this effort was to ensure that all emissions of VOC and NO_x were accounted for and that the procedures used to develop the inventories were consistent from state to state. It was also important that the inventories be disaggregated into sufficient categories to allow for application of temporal and pollutant species allocation factors and the evaluation of control scenarios in subsequent modeling efforts.

DATA PROCUREMENT AND REVIEW

The 1980 New Jersey area source inventory was supplied in hard copy format on April 15, 1981 by the NJDEP (through the EPA Project Officer). The Project Officer also supplied an area source inventory covering the New Jersey portion of the Philadelphia AQCR that was developed by Engineering-Science, Inc.

The above area source inventories were reviewed for comprehensiveness and consistency with the area source methodologies presented in Volume I.³ In general, the NJDEP inventory was very well prepared and was determined to be preferable to the Engineering-Science inventory. The results of this review and comparison were documented and forwarded to the Project Officer on July 7, 1981. The primary problem with the Engineering-Science data reflected the fact that the inventory was developed prior to the release of the Procedures for Preparation of Emission Inventories for Volatile Organic Compounds, Volume I, Second Edition⁴ and therefore reflected older methodologies in many instances. On September 8, 1981, the Project Officer indicated concurrence with GCA's recommendation to utilize the NJDEP inventory for all of New Jersey in the NECRMP inventory. Some minor modifications were made to the NJDEP data prior to computerization, primarily to ensure consistency with the other NECRMP states' data. These are discussed separately later in this section. The NJDEP supplied EPA with a revised area source inventory on December 31, 1981. This revised inventory reflected significant changes, in many instances, from the data submitted previously. As a result, GCA revised the NECRMP area source data accordingly.

Gasoline Handling

GCA detected some apparent minor errors when trying to recreate the NJDEP emissions estimates for gasoline handling emissions. GCA recalculated these emissions using the NJDEP supplied gasoline sales statistics and emission factors. In addition since the NJDEP inventory had not included losses from the loading of gasoline into trucks or from trucks in transit, these losses were calculated by GCA using the NJDEP supplied gasoline sales data and the EPA emission factor.⁴

On-Highway Mobile Sources

Emissions from on-highway vehicles were not contained in the original area source inventory submittal nor in the revised SIP submittal. These data were later supplied by the NJDEP (developed by the NJDOT) on April 1, 1982. NJDOT's emission totals were based on a statewide traffic counting program and emission factors developed using MOBILE2. Off network VMT were estimated as a function of total VMT. Emission factors developed using MOBILE2 include credits for a motor vehicle emissions inspection and maintenance (I/M) program which has been in effect since 1974.

Per-Capita Emissions

For those categories whose emissions are estimated based on population (i.e., degreasing, dry cleaning, architectural solvent use, autobody refinishing, graphic arts, and commercial/consumer solvent use) GCA utilized the 1980 Census of Population to recalculate emissions. This was done to maximize consistency with the other states in the NECRMP study. The NJDEP had utilized population projections that were developed prior to release of the 1980 Census.

Vessels

The NJDEP inventory did not disaggregate vessel emissions into the categories being utilized in NECRMP: gasoline vessels, distillate oil vessels, and residual oil vessels. The NJDEP did report fuel use broken down by fuel type. These data were used to disaggregate vessel emissions by fuel type.

Small Industrial Surface Coating

The NJDEP area source inventory does not address this category specifically. Rather, a small industrial sources category is included which accounts for not only surface coating emissions but emissions from all small point sources not addressed by the other area source categories. Utilization of the NJDEP's small industrial sources category ensures a proper "balance" with the New Jersey point source inventory, which reflects a 100 TPY minimum size cutoff. Thus, the NJDEP's estimate for small industrial sources was utilized for this category to enable accounting of all emissions without deviating from the 54 area source category numbering scheme used for all NECRMP states.

DEVELOPMENT OF THE EIS/AS MASTER FILE

After emissions were verified for all area source categories on a countywide basis, the completed inventory was coded and keypunched in EIS/AS format and subjected to the series of computerized QA checks included in the EIS/AS System.² The completed Master File was then manually verified for accuracy before the finalized data were written onto computer tape for delivery to EPA.

Table 5 presents a list of the area source categories included in the New Jersey portion of the NECRMP inventory. Also identified is the type of VOC represented by the emission factor utilized for each category (reactive or total).

RESULTS

Statewide totals of VOC and NO_x from area sources in New Jersey are provided in Table 6. County summaries are provided in Appendix B.

TABLE 5. AREA SOURCE CATEGORIES INVENTORIED FOR NEW JERSEY

EIS/AS Category No.	Category description	Pollutants inventoried
001	Stage I Gasoline Evaporation	TVOC
002	Stage II Gasoline Evaporation	TVOC
003	Storage Tank Breathing	TVOC
004	Gasoline Loading/Transit	TVOC
005	Small Industrial/Commercial Degreasing	RVOC
006	Dry Cleaning	RVOC
007	Architectual Surface Coating	RVOC
008	Automobile Refinishing	RVOC
009	Small Industrial Surface Coating	TVOC
010	Graphic Arts	RVOC
011	Commercial/Consumer Solvent Use	RVOC
012	Cutback Asphalt	RVOC
013	Pesticides	RVOC
014	On-Highway Light-Duty Vehicles	RVOC NO _x
015	On-Highway Light-Duty Trucks--Class I	RVOC NO _x
016	On-Highway Light-Duty Trucks--Class II	RVOC NO _x
017	On-Highway Heavy-Duty Gas Trucks	RVOC NO _x
018	On-Highway Heavy-Duty Diesel Trucks	RVOC NO _x
019	On-Highway Motorcycles	RVOC NO _x
020	Residential Anthracite Coal	TVOC NO _x
021	Residential Bituminous Coal	TVOC NO _x
022	Residential Residual Oil	TVOC NO _x
023	Residential Distillate Oil	TVOC NO _x
024	Residential Natural Gas	TVOC NO _x
025	Residential LPG	TVOC NO _x
026	Residential Wood	RVOC NO _x
027	Commercial/Institutional Anthracite	TVOC NO _x
028	Commercial/Institutional Bituminous	TVOC NO _x

(continued)

TABLE 5 (continued)

EIS/AS Category No.	Category description	Pollutants inventoried
029	Commercial/Institutional Residual Oil	TVOC NO _x
030	Commercial/Institutional Distillate Oil	TVOC NO _x
031	Commercial/Institutional Natural Gas	TVOC NO _x
032	Commercial/Institutional LPG	TVOC NO _x
033	Commercial/Institutional Wood/Other	TVOC NO _x
034	Industrial Anthracite	TVOC NO _x
035	Industrial Bituminous	TVOC NO _x
036	Industrial Residual Oil	TVOC NO _x
037	Industrial Distillate Oil	TVOC NO _x
038	Industrial Natural Gas	TVOC NO _x
039	Industrial LPG	TVOC NO _x
040	Industrial Wood/Other	TVOC NO _x
041	Military Aircraft	TVOC NO _x
042	Civil Aircraft	TVOC NO _x
043	Commercial Aircraft	TVOC NO _x
044	Railroad Locomotives	TVOC NO _x
045	Gasoline-Powered Vessels	TVOC NO _x
046	Distillate Oil-Powered Vessels	TVOC NO _x
047	Residual Oil-Powered Vessels	TVOC NO _x
048	Off-Highway Vehicles--Gas	TVOC NO _x
049	Off-Highway Vehicles--Diesel	TVOC NO _x
050	Onsite Incineration	TVOC NO _x
051	Open Burning	TVOC NO _x
052	Structural Fires	TVOC NO _x
053	Field/Slash Burning	TVOC NO _x
054	Forest Fires	TVOC NO _x

TABLE 6. ANNUAL EMISSIONS (1980) OF VOC AND NO_x FROM AREA SOURCES
IN NEW JERSEY

STATE SUMMARY

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	3477000	THOUS GAL	NOx VOC		0 2127
002	STAGE II GASOLINE EVAP	3477000	THOUS GAL	NOx VOC		0 16861
003	STORAGE TANK BREATHING	3477000	THOUS GAL	NOx VOC		0 1742
004	GASOLINE LOADING/TRANSIT	3613508	THOUS GAL	NOx VOC		0 12377
005	SM IND/COMM DEGREASING	7364158	POPULATION	NOx VOC		0 11040
006	DRY CLEANING	7364158	POPULATION	NOx VOC		0 4372
007	ARCH SURFACE COATING	7364158	POPULATION	NOx VOC		0 16937
008	AUTO BODY REFINISHING	7364158	POPULATION	NOx VOC		0 6993
009	SM IND SURFACE COATING	144265	TON	NOx VOC		0 84754
010	GRAPHIC ARTS	7364158	POPULATION	NOx VOC		0 2945
011	COMM/CONS SOLVENT USE	7364158	POPULATION	NOx VOC		0 23198
012	OUTBACK ASPHALT	39567	TON	NOx VOC		0 13063
013	PESTICIDES	3460	TON	NOx VOC		0 3476

TABLE 6 (continued)

STATE SUMMARY

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
014	ON-HIGHWAY LDV	38895052	THOUS VMT	NOx VOC		197177 143442
015	ON-HIGHWAY LDT1	4117239	THOUS VMT	NOx VOC		20820 15140
016	ON-HIGHWAY LDT2	2325786	THOUS VMT	NOx VOC		11791 8075
017	ON-HIGHWAY HDG	2078360	THOUS VMT	NOx VOC		10535 7565
018	ON-HIGHWAY HOD	1632999	THOUS VMT	NOx VOC		8277 6021
019	ON-HIGHWAY MC	445362	THOUS VMT	NOx VOC		2214 1642
020	RESIDENTIAL ANTHRACITE	87910	TON	NOx VOC		129 109
022	RESIDENTIAL RESIDUAL OIL	54860	THOUS GAL	NOx VOC		1648 27
023	RESIDENTIAL DISTILLATE	1401150	THOUS GAL	NOx VOC		12511 702
024	RESIDENTIAL NATURAL GAS	135540	MIL CU FT	NOx VOC		5421 543
025	RESIDENTIAL WOOD	5000	TON	NOx VOC		25 80
029	COMM/INST RESIDUAL OIL	388250	THOUS GAL	NOx VOC		11649 194
030	COMM/INST DISTILLATE OIL	337450	THOUS GAL	NOx VOC		3712 169

TABLE 6 (continued)

STATE SUMMARY

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
031	COMM/INST NATURAL GAS	52923	MIL CU FT	NOX VOC		3175 211
036	INDUSTRIAL RESIDUAL OIL	171040	THOUS GAL	NOX VOC		5132 86
037	INDUSTRIAL DISTILLATE OIL	174190	THOUS GAL	NOX VOC		1915 89
038	INDUSTRIAL NATURAL GAS	29370	MIL CU FT	NOX VOC		2573 44
041	MILITARY AIRCRAFT	71579	LND/TAKE OFF	NOX VOC		134 788
042	CIVIL AIRCRAFT	1419904	LND/TAKE OFF	NOX VOC		129 375
043	COMMERCIAL AIRCRAFT	118966	LND/TAKE OFF	NOX VOC		2457 333
044	RAILROAD LOCOMOTIVES	39290	THOUS GAL	NOX VOC		7270 1848
045	VESSELS - GASOLINE	23797	THOUS GAL	NOX VOC		959 6755
046	VESSELS - DISTILLATE OIL	90950	THOUS GAL	NOX VOC		1243 493
047	VESSELS - RESIDUAL OIL	14730	THOUS GAL	NOX VOC		44 2
048	OFF-HIGHWAY VEHICLES-GAS	38615	THOUS GAL	NOX VOC		2082 2517
049	OFF-HIGHWAY VEH - DIESEL	135130	THOUS GAL	NOX VOC		32572 2498

TABLE 6 (continued)

STATE SUMMARY

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
150	ON-SITE INCINERATION	719900	TON	NOx		1080
				VOC		98
151	OPEN BURNING	122	THOUS GAL	NOx		2
				VOC		25
152	STRUCTURAL FIRES	695000	TON	NOx		2093
				VOC		10455
153	FIELD/SLASH BURNING	32500	TON	NOx		67
				VOC		392
154	FOREST FIRES	50673	TON	NOx		102
				VOC		608
STATE OR REGION TOTALS				NOx		348568
				VOC		415035

SECTION 5

REFERENCES

1. McMaster, Larry M. Emission Inventory System/Point Source Users Guide. EPA-450/4-80-010. May 1980.
2. McMaster, Larry M. Emission Inventory System/Area Source Users Guide. EPA-450/4-80-009. May 1980.
3. Sellars, F. M., M. J. Geraghty, A. M. Kiddie, B. J. Bosy and S. V. Capone. Northeast Corridor Regional Modeling Project--Annual Emission Inventory. Volume I: Project Approach. GCA/Technology Division, Bedford, MA for the U.S. Environmental Protection Agency. EPA-450/4-82-013a. August 1982.
4. Lamason, W. H. II and T. F. Lahre. Procedures for the Preparation of Emission Inventories for Volatile Organic Compounds. Volume I, Second Edition. (EPA-450/2-77-028, 2nd Edition.) September 1980.
5. U.S. Department of Commerce, Bureau of the Census. 1980 Census of Population. U.S. Government Printing Office, Washington, D.C. 1981.

APPENDIX A

POINT SOURCE EMISSIONS BY CATEGORY FOR THE
NEW JERSEY COUNTIES

Table A-1 presents point source emissions, by category, for each of the New Jersey counties, which are identified below.

<u>County</u>	<u>NEDS/EIS County Code</u>
Atlantic	0080
Bergen	0300
Burlington	0660
Camden	0740
Cape May	0780
Cumberland	1050
Essex	1380
Gloucester	1760
Hudson	2240
Hunterdon	2260
Mercer	2980
Middlesex	3060
Monmouth	3180
Morris	3260
Ocean	3900
Passaic	4120
Salem	4900
Somerset	5020
Sussex	5300
Union	5440
Warren	5660

TABLE A-1. POINT SOURCE EMISSIONS (1980) BY CATEGORY FOR THE NEW JERSEY COUNTIES

COUNTY:0040

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	SCC SO2	EMISSIONS NOX	(TONS/YEAR) PC	----- CO
1 OIL AND GAS PRODUCTION & PROCESSING	0	0	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	0	0	0	0	0	0	0
3 GASOLINE AND CRUDE OIL STORAGE	0	0	0	0	0	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	0	0	0	0	0	0	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0	0
8 TANK TRUCK LOADING	0	0	0	0	0	0	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0	0
11 OTHERS--(STORAGE, TRANSP., MKT OF VOC)	0	0	0	0	0	0	0
12 LUKE OIL MANUFACTURE	0	0	0	0	0	0	0
13 PETROLEUM REFINERIES	0	0	0	0	0	0	0
14 PHARMACEUTICAL MANUFACTURE	0	0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	0	0	0	0	0	0	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0	0
18 INORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0	0
19 FERMENTATION PROCESSES	0	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0	0
23 SPR RUBBER MANUFACTURE	0	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	0	0	0	0	0	0	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0	0
26 TOBACCO PRODUCTS	0	0	0	0	0	0	0
27 FOOD PRODUCTS	0	0	0	0	0	0	0
28 TEXTILE MILL PRODUCTS	0	0	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	0	0	0
31 STONE, CLAY, GLASS, CONCRETE	0	0	0	0	0	0	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	0	0	0	0	0	0	0
33 FABRICATED METAL PRODUCTS	0	0	0	0	0	0	0
34 IN-PROCESS FUEL USE	0	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	0	0	0	0	0	11	0
36 ADHESIVES	0	0	0	0	0	0	0
37 IND. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0	0
38 IND. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0	0
39 IND. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0	0
40 IND. SFC. COATING-CAHS	0	0	0	0	0	0	0
41 IND. SFC. COATING-METAL COILS	0	0	0	0	0	0	0
42 IND. SFC. COATING-PAPER	0	0	0	0	0	0	0
43 IND. SFC. COATING-FABRIC	0	0	0	0	0	0	0
44 IND. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0	0
45 IND. SFC. COATING-METAL/WOOD PRODUCTS	0	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0	0
49 IND. SFC. COATING-MISC. METAL PRODUCTS	0	0	0	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0	0

TABLE A-1 (continued)

COUNTY: CCHC

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	EMISSIONS NOX	(TONS/YEAR) HC	----- CO
51 DRESSING	1	0	0	0	0	0
52 DRY CLEANING	1	0	0	0	0	0
53 GRAPHIC ARTS	1	0	0	0	0	0
54 OTHER - (SOLVENT USE)	0	0	0	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	0	0	0	0	0	0
59 EXT. COMB. BOILERS-INDUSTRIAL	0	24	266	120	6	1
60 EXT. COMB. BOILERS-COMM/INST	0	0	0	0	0	0
61 EXT. COMB. SPACE HEATERS-INDUST.	0	0	0	0	0	0
62 EXT. COMB. SPACE HEATERS-COMM.	0	0	0	0	0	0
63 OTHERS-(FUEL COMBUSTION)	0	0	0	0	0	0
64 SOLID WASTE DISPOSAL-GOVT.	0	0	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	0	0	0	0	0	0
67 OTHER SOLID WASTE DISPOSAL	0	0	0	0	0	0
68 WASTE SOLVENT RECOVERY PROCESSES	0	0	0	0	0	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	0	0	0	0	0	0
70 NOT CLASSIFIED	0	0	0	0	0	0
COUNTY TOTALS		24	266	120	17	1

TABLE A-1 (continued)

COUNTY:0300

CATEGORY	POINT COUNT	TSP	PRIMARY S02	SCC S02	EMISSIONS NOX	(TONS/YEAR) H.C.	CO
1 OIL AND GAS PRODUCTION & PROCESSING	0	0	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	0	0	0	0	0	0	0
3 GASOLINE AND CRUDE OIL STORAGE	0	0	0	0	0	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	5	0	0	0	0	10	0
7 GASOLINE BULK PLANTS	9	0	0	0	0	0	0
8 TANK TRUCK LOADING	2	0	0	0	0	232	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0	0
11 OTHERS-4STORAGE, TRANSF., MKT OF VOC	2	0	0	0	0	18	0
12 LULU OIL MANUFACTURE	0	0	0	0	0	0	0
13 PETROLEUM REFINERIES	0	0	0	0	0	0	0
14 PHARMACEUTICAL MANUFACTURE	1	0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	50	36	0	0	0	12	0
16 SYNTHETIC FIBER MANUFACTURE	9	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	48	539	0	0	0	208	0
18 INORGANIC CHEMICAL MANUFACTURE	51	212	0	0	0	206	0
19 FERMENTATION PROCESSES	0	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0	0
23 SBR RUBBER MANUFACTURE	0	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	185	478	44	0	0	1032	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0	0
26 TOBACCO PRODUCTS	0	0	0	0	0	0	0
27 FOOD PRODUCTS	38	4	0	0	0	50	0
28 TEXTILE MILL PRODUCTS	0	0	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	1	1	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	0	0	0
31 STONE, CLAY, GLASS, CONCRETE	3	1	0	0	75	1	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	0	0	0	0	0	0	0
33 FABRICATED METAL PRODUCTS	13	46	0	0	0	442	0
34 IN-PROCESS FUEL USE	0	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	364	398	20	0	0	2654	0
36 ADHESIVES	0	0	0	0	0	0	0
37 INC. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0	0
38 INC. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0	0
39 INC. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0	0
40 INC. SFC. COATING-CANS	0	0	0	0	0	0	0
41 INC. SFC. COATING-METAL COILS	0	0	0	0	0	0	0
42 INC. SFC. COATING-PAPER	0	0	0	0	0	0	0
43 INC. SFC. COATING-FABRIC	0	0	0	0	0	0	0
44 INC. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0	0
45 INC. SFC. COATING-METAL/WOOD PRODUCTS	0	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0	0
49 INC. SFC. COATING-MISC-METAL PRODUCTS	5	0	0	0	0	115	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0	0

TABLE A-1 (continued)

COUNTY: 0300

CATEGORY	POINT COUNT	PRIMARY EMISSIONS (TONS/YEAR)					-----	
		TSP	SO ₂	NO _x	HC	CO		
51 DEGREASING	0	0	0	0	0	0		
52 DRY CLEANING	0	0	0	0	0	0		
53 GRAPHIC ARTS	9	0	0	0	329	0		
54 OTHER - (SOLVENT USE)	3	0	0	0	1	0		
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0		
56 AUTO REFINISHING	0	0	0	0	0	0		
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0		
58 EXT. COMB. BOILERS-ELEC. GENERATION	3	1473	9250	475	4	20		
59 EXT. COMB. BOILERS-INDUSTRIAL	33	1115	1348	2687	39	137		
60 EXT. COMB. BOILERS-COMM/INST	0	0	0	0	0	0		
61 EXT. COMB. SPACE HEATERS-INDUST.	2	101	6	2015	30	171		
62 EXT. COMB. SPACE HEATERS-COMM.	0	0	0	0	0	0		
63 OTHERS-(FUEL COMBUSTION)	49	353	155	242	2211	143		
64 SOLID WASTE DISPOSAL-GOVT.	0	0	0	0	0	0		
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	0	0	0		
66 SOLID WASTE DISPOSAL-INDUSTRIAL	0	0	0	0	0	0		
67 OTHER SOLID WASTE DISPOSAL	0	0	0	0	0	0		
68 WASTE SOLVENT RECOVERY PROCESSES	1	0	0	0	0	0		
69 STATIONARY INTERNAL COMBUSTION ENGINES	1	8	1	112	10	0		
70 NOT CLASSIFIED	0	0	0	0	0	0		
COUNTY TOTALS		4765	10824	5604	7639	471		

TABLE A-1 (continued)

COUNTY:0660

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	SCC NOx	EMISSIONS (TONS/YEAR)	----- CO
1 OIL AND GAS PRODUCTION & PROCESSING	0	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	0	0	0	0	0	0
3 GASOLINE AND CRUDE OIL STORAGE	0	0	0	0	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	3	0	0	0	46	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0
8 TANK TRUCK LOADING	0	0	0	0	0	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0
11 OTHERS-(STORAGE, TRANSP., MKT OF VOC)	2	0	0	0	25	0
12 LUBE OIL MANUFACTURE	0	0	0	0	0	0
13 PETROLEUM REFINERIES	0	0	0	0	0	0
14 PHARMACEUTICAL MANUFACTURE	0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	69	34042	0	0	158	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0
18 INORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0
19 FERMENTATION PROCESSES	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0
23 SBK RUBBER MANUFACTURE	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	1	3	0	0	0	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0
26 TOBACCO PRODUCTS	0	0	0	0	0	0
27 FOOD PRODUCTS	0	0	0	0	0	0
28 TEXTILE MILL PRODUCTS	0	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	0	0
31 STONE,CLAY,GLASS,CONCRETE	0	0	0	0	0	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	47	348	96	232	0	0
33 FABRICATED METAL PRODUCTS	1	2	0	0	0	0
34 IN-PROCESS FUEL USE	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	24	12	0	0	192	0
36 ADHESIVES	0	0	0	0	0	0
37 IND. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0
38 IND. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0
39 IND. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0
40 IND. SFC. COATING-CANS	0	0	0	0	0	0
41 IND. SFC. COATING-METAL COILS	0	0	0	0	0	0
42 IND. SFC. COATING-PAPER	0	0	0	0	0	0
43 IND. SFC. COATING-FABRIC	0	0	0	0	0	0
44 IND. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0
45 IND. SFC. COATING-METAL/WOOD PRODUCTS	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0
49 IND. SFC. COATING-MISC.METAL PRODUCTS	5	3	0	0	196	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0

TABLE A-1 (continued)

COUNTY: 0660

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	EMISSIONS (TONS/YEAR)	HC	----- CO
51 DEGREASING	0	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0
53 GRAPHIC ARTS	0	0	0	0	0	0
54 OTHER - (SOLVENT USE)	0	0	0	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	6	4	0	0	124	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	5	823	650	3987	61	276
59 EXT. COMB. BOILERS-INDUSTRIAL	7	47	330	428	4	10
60 EXT. COMB. BOILERS-COMM/INST	3	7	23	33	2	7
61 EXT. COMB. SPACE HEATERS-INDUST.	0	0	0	0	0	0
62 EXT. COMB. SPACE HEATERS-COMM.	0	0	0	0	0	0
63 OTHERS-(FUEL COMBUSTION)	10	3	26	27	1	1
64 SOLID WASTE DISPOSAL-GOVT.	0	0	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	0	0	0	0	0	0
67 OTHER SOLID WASTE DISPOSAL	0	0	0	0	0	0
68 WASTE SOLVENT RECOVERY PROCESSES	0	0	0	0	0	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	0	450	369	163	1	11
70 NOT CLASSIFIED	0	0	0	0	0	0
COUNTY TOTALS		35749	1494	4873	726	365

TABLE A-1 (continued)

COUNTY:0740

CATEGORY	POINT COUNT	----- TSP	PRIMARY SCC	MISSIONS NOK	(TUNS/YEAR) HC	----- CO
1 OIL AND GAS PRODUCTION & PROCESSING	0	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	0	0	0	0	0	0
3 GASOLINE AND CRUDE OIL STORAGE	0	0	0	0	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	1	0	0	0	0	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0
8 TANK TRUCK LOADING	1	0	0	0	483	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0
11 OTHERS-STORAGE, TRANSP. MKT OF VOC	1	0	0	0	0	0
12 LUBE OIL MANUFACTURE	0	0	0	0	0	0
13 PETROLEUM REFINERIES	0	0	0	0	0	0
14 PHARMACEUTICAL MANUFACTURE	0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	4	120	0	0	0	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	3	2	20	0	1	0
18 INORGANIC CHEMICAL MANUFACTURE	48	578	2124	0	9	0
19 FERMENTATION PROCESSES	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0
23 SBR RUBBER MANUFACTURE	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	42	1896	0	0	0	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0
26 TOBACCO PRODUCTS	0	0	0	0	0	0
27 FOOD PRODUCTS	9	92	0	0	0	0
28 TEXTILE MILL PRODUCTS	4	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	5	4	0	0	11	0
30 PAPER AND ALLIED PRODUCTS	5	73	0	0	0	0
31 STONE, CLAY, GLASS, CONCRETE	34	423	29	93	439	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	5	10	25	0	0	0
33 FABRICATED METAL PRODUCTS	6	7	0	0	0	0
34 IN-PROCESS FUEL USE	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	96	58	0	0	582	0
36 ADHESIVES	0	0	0	0	0	0
37 IND. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0
38 IND. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0
39 IND. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0
40 IND. SFC. COATING-CANS	0	0	0	0	0	0
41 IND. SFC. COATING-METAL COILS	0	0	0	0	0	0
42 IND. SFC. COATING-PAPER	0	0	0	0	0	0
43 IND. SFC. COATING-FABRIC	0	0	0	0	0	0
44 IND. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0
45 IND. SFC. COATING-METAL/WOOD PRODUCTS	11	0	0	0	148	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0
49 IND. SFC. COATING-MISC. METAL PRODUCTS	0	0	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	9	62	0	0	311	0

TABLE A-1 (continued)

COUNTY:0740

CATEGORY	POINT COUNT	----- PRIMARY -----		EMISSIONS (TUNS/YEAR)		-----	
		TSP	SO2	NOx	HC	CO	CO2
51 DEGREASING	0	0	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0	0
53 GRAPHIC ARTS	3	0	0	0	17	0	0
54 OTHER - (SOLVENT USE)	0	0	0	0	0	0	0
55 ARCHITECTURAL COATINGS	6	0	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	0	0	0	0	0	0	0
59 EXT. COMB. BOILERS-INDUSTRIAL	39	410	1415	2332	98	130	130
60 EXT. COMB. BOILERS-COMM/INST	0	0	0	0	0	0	0
61 EXT. COMB. SPACE HEATERS-INDUST.	1	1	4	5	0	1	1
62 EXT. COMB. SPACE HEATERS-COMM.	0	0	0	0	0	0	0
63 OTHERS-(FUEL COMBUSTION)	54	371	1015	375	217	22	22
64 SOLID WASTE DISPOSAL-GOVT.	0	0	0	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	0	0	0	0	0	0	0
67 OTHER SOLID WASTE DISPOSAL	0	0	0	0	0	0	0
68 WASTE SOLVENT RECOVERY PROCESSES	1	0	0	0	12	0	0
69 STATICWARY INTERNAL COMBUSTION ENGINES	0	0	0	0	0	0	0
70 NOT CLASSIFIED	0	0	0	0	0	0	0
COUNTY TOTALS		4105	4631	2804	2331	153	153

TABLE A-1 (continued)

COUNTY:0780

CATEGORY	POINT COUNT	----- TSP	PRIMARY SU2	SCC SU2	EMISSIONS NOX	(TONS/YEAR) HC	----- CO
1 OIL AND GAS PRODUCTION & PROCESSING	0	0	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	0	0	0	0	0	0	0
3 GASOLINE AND CRUDE OIL STORAGE	0	0	0	0	0	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	0	0	0	0	0	0	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0	0
8 TANK TRUCK LOADING	0	0	0	0	0	0	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0	0
11 OTHERS-(STORAGE, TRANSP., MKT OF VOC)	0	0	0	0	0	0	0
12 LUBE OIL MANUFACTURE	0	0	0	0	0	0	0
13 PETROLEUM REFINERIES	0	0	0	0	0	0	0
14 PHARMACEUTICAL MANUFACTURE	0	0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	0	0	0	0	0	0	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0	0
18 INORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0	0
19 FERMENTATION PROCESSES	0	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0	0
23 SBR RUBBER MANUFACTURE	0	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	0	0	0	0	0	0	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0	0
26 TOBACCO PRODUCTS	0	0	0	0	0	0	0
27 FOOD PRODUCTS	0	0	0	0	0	0	0
28 TEXTILE MILL PRODUCTS	0	0	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	0	0	0
31 STONE, CLAY, GLASS, CONCRETE	0	0	0	0	0	0	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	0	0	0	0	0	0	0
33 FABRICATED METAL PRODUCTS	0	0	0	0	0	0	0
34 IN-PROCESS FUEL USE	0	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	9	0	0	0	0	234	0
36 ADHESIVES	0	0	0	0	0	0	0
37 IND. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0	0
38 IND. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0	0
39 IND. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0	0
40 IND. SFC. COATING-CANS	0	0	0	0	0	0	0
41 IND. SFC. COATING-METAL COILS	0	0	0	0	0	0	0
42 IND. SFC. COATING-PAPER	0	0	0	0	0	0	0
43 IND. SFC. COATING-FABRIC	0	0	0	0	0	0	0
44 IND. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0	0
45 IND. SFC. COATING-METAL/WOOD PRODUCTS	0	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0	0
49 IND. SFC. COATING-MISC. METAL PRODUCTS	0	0	0	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0	0

TABLE A-1 (continued)

COUNTY: 0780

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	EMISSIONS NOX	(TUNS/YEAR) HC	----- CO
51 DEGREASING	0	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0
53 GRAPHIC ARTS	0	0	0	0	0	0
54 OTHER - (SOLVENT USE)	0	0	0	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	4	3004	57866	23075	142	473
59 EXT. COMB. BOILERS-INDUSTRIAL	0	0	0	0	0	0
60 EXT. COMB. BOILERS-COMM/INST	0	0	0	0	0	0
61 EXT. COMB. SPACE HEATERS-INDUST.	0	0	0	0	0	0
62 EXT. COMB. SPACE HEATERS-COMM.	0	0	0	0	0	0
63 OTHERS-(FUEL COMBUSTION)	0	0	0	0	0	0
64 SOLID WASTE DISPOSAL-GOVT.	0	0	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	0	0	0	0	0	0
67 OTHER SOLID WASTE DISPOSAL	0	0	0	0	0	0
68 WASTE SOLVENT RECOVERY PROCESSES	0	0	0	0	0	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	3	18	22	243	21	65
70 NOT CLASSIFIED	0	0	0	0	0	0
COUNTY TOTALS		3022	57868	23324	197	529

TABLE A-1 (continued)

COUNTY:1050

CATEGORY	POINT COUNT	----- ISP	PRIMARY S02	SCC S02	EMISSIONS NOX	(TUNS/YEAR) HC	----- CO
1 OIL AND GAS PRODUCTION & PROCESSING	3	0	0	0	3	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	0	0	0	0	3	0	0
3 GASOLINE AND CRUDE OIL STORAGE	0	0	0	0	3	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	3	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	3	0	0
6 BULK GASOLINE TERMINALS	0	0	0	0	3	0	0
7 GASOLINE BULK PLANTS	0	0	0	0	3	0	0
8 TANK TRUCK LOADING	0	0	0	0	3	0	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	3	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	3	0	0
11 OTHERS-(STORAGE, TRANSP., MKT OF VOC)	4	0	0	0	3	8	0
12 LULU OIL MANUFACTURE	0	0	0	0	3	0	0
13 PETROLEUM REFINERIES	0	0	0	0	3	0	0
14 PHARMACEUTICAL MANUFACTURE	0	0	0	0	3	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	1	2	0	0	3	211	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	3	0	0
17 ORGANIC CHEMICAL MANUFACTURE	0	0	0	0	3	0	0
18 INORGANIC CHEMICAL MANUFACTURE	0	0	0	0	3	0	0
19 FERMENTATION PROCESSES	0	0	0	0	3	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	3	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	3	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	3	0	0
23 SBR RUBBER MANUFACTURE	0	0	0	0	3	0	0
24 OTHER CHEMICAL MANUFACTURE	15	61	0	0	3	0	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	3	0	0
26 TOBACCO PRODUCTS	0	0	0	0	3	0	0
27 FOOD PRODUCTS	0	0	0	0	3	0	0
28 TEXTILE MILL PRODUCTS	0	0	0	0	3	0	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	3	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	3	0	0
31 STONE, CLAY, GLASS, CONCRETE	101	1492	35	35	735	101	9618
32 PRIMARY & SECONDARY METALS & ELECTRICAL	0	0	0	0	3	0	0
33 FABRICATED METAL PRODUCTS	6	41	0	0	3	0	0
34 IN-PROCESS FUEL USE	0	0	0	0	3	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	48	8674	9	9	2377	284	16
36 ADHESIVES	0	0	0	0	3	0	0
37 IND. SFC. COATING-LARGE APPLIANCES	0	0	0	0	3	0	0
38 IND. SFC. COATING-MAGNET WIRE	0	0	0	0	3	0	0
39 IND. SFC. COATING-AUTOMOBILE	0	0	0	0	3	0	0
40 IND. SFC. COATING-CANS	0	0	0	0	3	0	0
41 IND. SFC. COATING-METAL COILS	0	0	0	0	3	0	0
42 IND. SFC. COATING-PAPER	0	0	0	0	3	0	0
43 IND. SFC. COATING-FABRIC	0	0	0	0	3	0	0
44 IND. SFC. COATING-MISC. FURNITURE	0	0	0	0	3	0	0
45 IND. SFC. COATING-METAL/WOOD PRODUCTS	1	1	0	0	3	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	3	0	0
47 LARGE SHIPS	0	0	0	0	3	0	0
48 LARGE AIRCRAFT	0	0	0	0	3	0	0
49 IND. SFC. COATING-MISC. METAL PRODUCTS	1	0	0	0	3	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	0	1	0	0	3	5	0

TABLE A-1 (continued)

COUNTY:1050

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	EMISSIONS NOX	(TONS/YEAR) HC	----- CO
51 DEGREASING	0	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0
53 GRAPHIC ARTS	0	0	0	0	0	0
54 OTHER - (SOLVENT USE)	0	0	0	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0
56 AUTO REFINISHING	1	13	0	0	100	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	2	86	2097	1371	6	33
59 EXT. COMB. BOILERS-INDUSTRIAL	22	9421	267491	6431	1293	4120
60 EXT. COMB. BOILERS-COMM/INST	0	0	0	0	0	0
61 EXT. COMB. SPACE HEATERS-INDUST.	11	2191	34253	4041	950	4364
62 EXT. COMB. SPACE HEATERS-COMM.	1	0	0	1	0	0
63 OTHERS-(FULL COMBUSTION)	29	657	6428	141	464	354
64 SOLID WASTE DISPOSAL-GOVT.	0	0	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	0	0	0	0	0	0
67 OTHER SOLID WASTE DISPOSAL	0	0	0	0	0	0
68 WASTE SOLVENT RECOVERY PROCESSES	0	0	0	0	0	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	2	146	2723	271	0	16
70 NOT CLASSIFIED	0	0	0	0	0	0
COUNTY TOTALS		22789	313036	15363	3425	18553

TABLE A-1 (continued)

COUNTY:1300

CATEGORY	POINT COUNT	----- TSP	PRIMARY SOC	EMISSIONS SOC	NOX	(TJNS/YEAR) HC	----- C
1 OIL AND GAS PRODUCTION & PROCESSING	0	0	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	0	0	0	0	0	0	0
3 GASOLINE AND CRUDE OIL STORAGE	0	0	0	0	0	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	0	20	0	0	0	21	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0	0
8 TANK TRUCK LOADING	1	0	0	0	0	113	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0	0
11 OTHERS-STORAGE, TRANSP., PKT OF VOC	15	0	0	0	0	115	0
12 LUBE OIL MANUFACTURE	0	0	0	0	0	0	0
13 PETROLEUM REFINERIES	0	0	0	0	0	0	0
14 PHARMACEUTICAL MANUFACTURE	24	0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	0	0	0	0	0	0	0
16 SYNTHETIC FIBER MANUFACTURE	0	1	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	53	54	0	1	0	94	657
18 INORGANIC CHEMICAL MANUFACTURE	5	0	0	0	0	132	0
19 FERMENTATION PROCESSES	1	4	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0	0
23 SBP RUBBER MANUFACTURE	0	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	365	764	0	0	33	938	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0	0
26 TOBACCO PRODUCTS	0	0	0	0	0	0	0
27 FOOD PRODUCTS	0	82	0	0	0	0	0
28 TEXTILE MILL PRODUCTS	0	0	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	1	73	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	0	0	0
31 STONE, CLAY, GLASS, CONCRETE	11	65	0	0	7	0	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	56	133	0	0	0	96	0
33 FABRICATED METAL PRODUCTS	2	2	0	0	0	0	0
34 IN-PROCESS FUEL USE	0	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	552	347	0	0	7	6,116	0
36 ADHESIVES	0	0	0	0	0	0	0
37 INF. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0	0
38 INC. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0	0
39 INC. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0	0
40 INC. SFC. COATING-CANS	0	0	0	0	0	0	0
41 INC. SFC. COATING-METAL COILS	0	0	0	0	0	0	0
42 IPD. SFC. COATING-PAPER	0	0	0	0	0	0	0
43 IND. SFC. COATING-PAINT	0	0	0	0	0	0	0
44 INC. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0	0
45 INC. SFC. COATING-METAL/WOOD PRODUCTS	0	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0	0
49 INC. SFC. COATING-MISC. METAL PRODUCTS	0	0	0	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	1	15	0	0	0	0	0

TABLE A-1 (continued)

COUNTY:1380

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	SCC NOX	EMISSIONS (TONS/YEAR)	HC	----- CO
51 DEGREASING	0	0	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0	0
53 GRAPHIC ARTS	0	0	0	0	0	0	0
54 OTHER - (SOLVENT USE)	0	0	0	0	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	1	0	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	4	502	1717	393	6	198	198
59 EXT. COMB. BOILERS-INDUSTRIAL	26	3500	12196	3975	342	1734	1734
60 EXT. COMB. BOILERS-COMM/INST	11	706	4021	633	138	676	676
61 EXT. COMB. SPACE HEATERS-INDUST.	0	0	0	0	0	0	0
62 EXT. COMB. SPACE HEATERS-COMM.	0	0	0	0	0	0	0
63 OTHERS-(FUEL COMBUSTION)	38	20	1072	2703	1108	0	0
64 SOLID WASTE DISPOSAL-COMM.	0	0	0	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST	1	1	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	28	497	0	0	0	0	0
67 OTHER SOLID WASTE DISPOSAL	1	2	0	0	0	0	0
68 WASTE SOLVENT RECOVERY PROCESSES	2	0	0	0	115	0	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	22	5846	6082	15603	1154	18173	18173
70 NOT CLASSIFIED	1	0	0	0	0	0	0
COUNTY TOTALS		12634	25089	23361	10593	21438	21438

TABLE A-1 (continued)

COUNTY:1760

CATEGORY	POINT COUNT	----- TSP	PRIMARY SU2	SCC SU2	EMISSIONS (TONS/YEAR)	----- CO
1 OIL AND GAS PRODUCTION & PROCESSING	0	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	0	0	0	0	0	0
3 GASOLINE AND CRUD OIL STORAGE	0	0	0	0	0	0
4 SHIP AND BARGE TRANSFER OF VOL	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	4	0	0	0	0	0
7 GASOLINE BULK PLANTS	1	0	0	0	0	0
8 TANK TRUCK LOADING	7	0	0	0	384	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0
11 OTHERS-STORAGE, TRANSP., MKT OF VOC	13	0	0	0	14	0
12 LUKE OIL MANUFACTURE	16	160	0	0	171	0
13 PETROLEUM REFINERIES	32	174	6883	222	58	7
14 PHARMACEUTICAL MANUFACTURE	0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	7	307	0	0	0	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0
18 INORGANIC CHEMICAL MANUFACTURE	47	159	105	19	239	0
19 FERMENTATION PROCESSES	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0
23 SYN. RUBBER MANUFACTURE	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	103	659	2210	691	615	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0
26 TUBACCO PRODUCTS	0	0	0	0	0	0
27 FOOD PRODUCTS	0	0	0	0	0	0
28 TEXTILE MILL PRODUCTS	0	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	0	0
31 STONE, CLAY, GLASS, CONCRETE	0	54	0	0	0	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	0	0	0	0	0	0
33 FABRICATED METAL PRODUCTS	11	6	0	0	194	0
34 IN-PROCESS FUEL USE	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	905	39	0	0	17051	0
36 ADHESIVES	0	0	0	0	0	0
37 INL. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0
38 IND. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0
39 IND. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0
40 INL. SFC. COATING-CARS	0	0	0	0	0	0
41 INL. SFC. COATING-METAL COILS	0	0	0	0	0	0
42 INL. SFC. COATING-PAPER	0	0	0	0	0	0
43 IND. SFC. COATING-FABRIC	0	0	0	0	0	0
44 IND. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0
45 IND. SFC. COATING-METAL/WOOD PRODUCTS	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0
49 IND. SFC. COATING-MISC. METAL PRODUCTS	6	2	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	9	10	0	0	190	0

TABLE A-1 (continued)

COUNTY:1760

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	SCC SO2	EMISSIONS NOX	(TONS/YEAR) HC	----- CO
51 DEGREASING	0	0	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0	0
53 GRAPHIC ARTS	0	0	0	0	0	0	0
54 OTHER - (SOLVENT USE)	0	0	0	0	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	0	0	0	0	0	0	0
59 EXT. COMB. BOILERS-INDUSTRIAL	66	1155	4836	7850	946	497	0
60 EXT. COMB. BOILERS-COMM/INST	3	3	6	5	0	0	0
61 EXT. COMB. SPACE HEATERS-INDUST.	2	6	14	42	2	0	0
62 EXT. COMB. SPACE HEATERS-COMM.	1	0	0	0	0	0	0
63 OTHERS-(FUEL COMBUSTION)	69	1010	2099	2675	3955	136	0
64 SOLID WASTE DISPOSAL-COMM.	0	0	0	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	1	0	0	0	0	0	0
67 OTHER SOLID WASTE DISPOSAL	5	0	170	0	0	0	0
68 WASTE SOLVENT RECOVERY PROCESSES	1	0	0	0	4	0	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	1	6	33	413	0	39	0
70 NOT CLASSIFIED	0	0	0	0	0	0	0
COUNTY TOTALS		3752	16356	11313	23864	144	

TABLE A-1 (continued)

COUNTRY:240

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	SEC SO2	EMISSIONS NOX	(TONS/YEAR) PC	----- C
1 OIL AND GAS PRODUCTION & PROCESSING							
2 SY. ORGANIC CHEM. STORAGE & TRANSFER	1	0	0	0	0	0	0
3 GASOLINE AND CRUDE OIL STORAGE		0	0	0	0	0	0
4 SHIP AND BARGE TRANSF-P OF VUC		0	0	0	0	0	0
5 BARGE AND TANKER CLEANING		0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	3	0	0	0	0	0	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0	0
8 TANK TRUCK LOADING		0	0	0	0	0	0
9 SERVICE STATION -GADING (STAGE I)		0	0	0	0	0	0
10 SERVICE STATION, UNLOADING (STAGE II)		0	0	0	0	0	0
11 OTHERS-(STORAGE, TRANSF., MKT OF VUC)	1	0	0	0	0	0	0
12 LULU OIL MANUFACTURE		0	0	0	0	0	0
13 PETROLEUM REFINERIES	1	0	0	0	0	0	0
14 PHARMACEUTICAL MANUFACTURE		0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	13	42	0	0	0	1,034	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	51	16	3	3	3	352	0
18 INORGANIC CHEMICAL MANUFACTURE	11	9	0	0	0	0	0
19 FERMENATION PROCESSES	1	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING		0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE		0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE		0	0	0	0	0	0
23 SFF RUBBER MANUFACTURE		0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	9	68	231	0	0	648	0
25 IRON AND STEEL MANUFACTURE		0	0	0	0	0	0
26 THERMAL PRODUCTS		0	0	0	0	0	0
27 FOOD PRODUCTS	61	1072	0	0	0	7	0
28 TEXTILE MILL PRODUCTS		0	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS		0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS		0	0	0	0	0	0
31 STONE,CLAY,GLASS,CONCRETE	3	4	0	0	0	0	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	20	66	4	4	0	0	0
33 FABRICATED METAL PRODUCTS	2	0	0	0	0	0	0
34 IN-PROCESS FULL USE	2	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	339	3501	0	0	0	4465	10
36 ADHESIVES		0	0	0	0	0	0
37 INC. SFC. COATING-LARGE APPLIANCES		0	0	0	0	0	0
38 INC. SFC. COATING-MAGNET WIRE		0	0	0	0	0	0
39 INC. SFC. COATING-AUTOMOBILE		0	0	0	0	0	0
40 INC. SFC. COATING-CANS	2	7	0	0	0	118	0
41 INC. SFC. COATING-METAL COILS		0	0	0	0	0	0
42 INC. SFC. COATING-PAPER		0	0	0	0	0	0
43 INC. SFC. COATING-FABRIC		0	0	0	0	0	0
44 INC. SFC. COATING-MISC. FURNITURE		0	0	0	0	0	0
45 INC. SFC. COATING-METAL/WOOD PRODUCTS		0	0	0	0	0	0
46 PLASTIC PARTS PAINTING		0	0	0	0	0	0
47 LARGE SHIPS		0	0	0	0	0	0
48 LARGE AIRCRAFT		0	0	0	0	0	0
49 INC. SFC. COATING-MISC.METAL PRODUCTS	9	27	0	0	0	123	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0	0

TABLE A-1 (continued)

COUNTY:2240

CATEGORY	POINT COUNT	----- TSP	PRIMARY S02	SCC EMISSIONS NOX	(TONS/YEAR) HC	----- CO
51 DEGREASING	0	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0
53 GRAPHIC ARTS	0	0	0	0	0	0
54 OTHER - (SOLVENT USE)	0	0	0	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	5	176	360	5152	422	325
59 EXT. COMB. BOILERS-INDUSTRIAL	9	752	3280	2369	31	293
60 EXT. COMB. BOILERS-COMM/INST	2	65	252	704	0	1
61 EXT. COMB. SPACE HEATERS-INDUST.	3	6	33	24	0	3
62 EXT. COMB. SPACE HEATERS-COMM.	0	0	0	0	0	0
63 OTHERS-(FUEL COMBUSTION)	8	117	320	1772	89	54
64 SOLID WASTE DISPOSAL-GOVT.	0	0	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	2	22	0	39	4	83
67 OTHER SOLID WASTE DISPOSAL	1	0	0	0	4	0
68 WASTE SOLVENT RECOVERY PROCESSES	0	0	0	0	0	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	8	240	472	1063	32	216
70 NOT CLASSIFIED	0	0	0	0	0	0
COUNTY TOTALS		6268	4955	11074	5228	988

TABLE A-1 (continued)

COUNTY:2260

CATEGORY	POINT COUNT	----- TSP -----	PRIMARY 302	SO ₂ EMISSIONS NOX	(TONS/YEAR) P.C.	----- C -----
1 OIL AND GAS PRODUCTION & PROCESSING	1	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	1	0	0	0	0	0
3 GASOLINE AND CRUDE OIL STORAGE	0	0	0	0	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	2	0	0	0	159	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0
8 TANK TRUCK LOADING	0	0	0	0	0	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0
11 OTHERS--(STORAGE, TRANSP., MKT OF VOC)	1	0	0	0	98	0
12 LUBE OIL MANUFACTURE	0	0	0	0	0	0
13 PETROLEUM REFINERIES	0	0	0	0	0	0
14 PHARMACEUTICAL MANUFACTURE	0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	0	0	0	0	57	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0
18 INORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0
19 FERMENTATION PROCESSES	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0
22 RUBBER, TIRE MANUFACTURE	0	0	0	0	0	0
23 SEW RUBBER MANUFACTURE	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	0	0	0	0	0	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0
26 TOBACCO PRODUCTS	0	0	0	0	0	0
27 FOOD PRODUCTS	0	0	0	0	0	0
28 TEXTILE MILL PRODUCTS	0	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	0	0
31 STONE, CLAY, GLASS, CONCRETE	22	0	0	0	133	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	0	0	0	0	0	0
33 FABRICATED METAL PRODUCTS	0	0	0	0	0	0
34 IN-PROCESS FUEL USE	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	36	36	0	0	36	0
36 ADHESIVES	0	0	0	0	0	0
37 INC. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0
38 INC. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0
39 INC. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0
40 INC. SFC. COATING-CANS	0	0	0	0	0	0
41 INC. SFC. COATING-METAL COILS	0	0	0	0	0	0
42 INC. SFC. COATING-PAPER	0	0	0	0	0	0
43 INC. SFC. COATING-FABRIC	0	0	0	0	0	0
44 INC. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0
45 INC. SFC. COATING-MISC. WOOD PRODUCTS	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0
49 INC. SFC. COATING-MISC. METAL PRODUCTS	0	0	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0

TABLE A-1 (continued)

COUNTY:2260

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	EMISSIONS NOX	(TONS/YEAR) HC	----- CO
51 DEGREASING	0	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0
53 GRAPHIC ARTS	0	0	0	0	0	0
54 OTHER - (SOLVENT USE)	0	0	0	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	3	428	5719	4911	6	205
59 EXT. COMB. BOILERS-INDUSTRIAL	2	79	35	253	13	55
60 EXT. COMB. BOILERS-COMM/INST	0	0	0	0	0	0
61 EXT. COMB. SPACE HEATERS-INDUST.	0	0	0	0	0	0
62 EXT. COMB. SPACE HEATERS-COMM.	0	0	0	0	0	0
63 OTHERS-(FUEL COMBUSTION)	2	6	0	0	0	0
64 SOLID WASTE DISPOSAL-GOVT.	0	0	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	1	0	0	0	0	0
67 OTHER SOLID WASTE DISPOSAL	0	0	0	0	33	0
68 WASTE SOLVENT RECOVERY PROCESSES	0	0	0	0	0	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	4	45	746	1340	11	377
70 NOT CLASSIFIED	0	0	0	0	0	0
COUNTY TOTALS		594	6500	6510	546	637

TABLE A-1 (continued)

COUNTY: 2980

CATEGORY	POINT COUNT	----- TSP	PRIMARY S02	SCC S02	EMISSIONS NOX	(TUNS/YEAR) HC	----- CC
1 OIL AND GAS PRODUCTION & PROCESSING	0	0	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	0	0	0	0	0	0	0
3 GASOLINE AND CRUDE OIL STORAGE	0	0	0	0	0	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	0	0	0	0	0	0	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0	0
8 TANK TRUCK LOADING	0	0	0	0	0	0	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0	0
11 OTHERS--STORAGE, TRANSP., MGT OF VOC	1	0	0	0	0	0	0
12 LULU OIL MANUFACTURE	1	0	0	0	0	0	0
13 PETROLEUM REFINERIES	1	0	0	0	0	0	0
14 PHARMACEUTICAL MANUFACTURE	2	0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	39	15	0	0	0	0	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0	0
18 INORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0	0
19 FERMENTATION PROCESSES	0	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	1	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0	0
23 SBR RUBBER MANUFACTURE	0	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	0	0	0	0	0	0	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0	0
26 TOBACCO PRODUCTS	0	0	0	0	0	0	0
27 FOOD PRODUCTS	0	0	0	0	0	0	0
28 TEXTILE MILL PRODUCTS	0	0	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	0	0	0
31 STONE, CLAY, GLASS, CONCRETE	0	0	0	0	0	0	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	1	21	0	0	0	0	0
33 FABRICATED METAL PRODUCTS	6	6	0	0	0	0	0
34 IN-PROCESS FUEL USE	0	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	3	0	0	0	0	0	0
36 ADHESIVES	0	0	0	0	0	0	0
37 IND. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0	0
38 IND. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0	0
39 IND. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0	0
40 IND. SFC. COATING-CANS	0	0	0	0	0	0	0
41 IND. SFC. COATING-METAL COILS	0	0	0	0	0	0	0
42 IND. SFC. COATING-PAPER	0	0	0	0	0	0	0
43 IND. SFC. COATING-FABRIC	0	0	0	0	0	0	0
44 IND. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0	0
45 IND. SFC. COATING-METAL/WOOD PRODUCTS	0	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0	0
49 IND. SFC. COATING-MISC. METAL PRODUCTS	28	239	0	0	0	181	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0	0

TABLE A-1 (continued)

COUNTY:2980

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	SCC NOx	EMISSIONS (TONS/YEAR) HC	----- CO
51 DEGREASING	1	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0
53 GRAPHIC ARTS	0	0	0	0	0	0
54 OTHER - (SOLVENT USE)	1	27	0	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	2	712	19495	14115	132	461
59 EXT. COMB. BOILERS-INDUSTRIAL	0	0	0	0	0	0
60 EXT. COMB. BOILERS-COMM/INST	0	0	0	0	0	0
61 EXT. COMB. SPACE HEATERS-INDUST.	0	0	0	0	0	0
62 EXT. COMB. SPACE HEATERS-COMM.	0	0	0	0	0	0
63 OTHERS-(FUEL COMBUSTION)	0	0	0	0	0	0
64 SOLID WASTE DISPOSAL-GOVT.	0	0	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	0	0	0	0	0	0
67 OTHER SOLID WASTE DISPOSAL	0	0	0	0	0	0
68 WASTE SOLVENT RECOVERY PROCESSES	0	0	0	0	0	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	0	0	0	0	0	0
70 NOT CLASSIFIED	0	0	0	0	0	0
COUNTY TOTALS		1020	19495	14115	321	461

TABLE A-1 (continued)

COUNTY:30e0

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	EMISSIONS NOX	(TUNS/YEAR) HC	----- CO
1 OIL AND GAS PRODUCTION & PROCESSING	0	0	0	0	0	0
2 SYM. ORGANIC CHEM. STORAGE & TRANSFER	0	0	0	0	2	0
3 GASOLINE AND CRUDE OIL STORAGE	1	0	0	0	156	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	45	27	0	0	18	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0
8 TANK TRUCK LOADING	0	654	0	0	0	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0
11 OTHERS-(STORAGE, TRANSP., MNT OF VOC)	1	1497	0	0	534	0
12 LUKE OIL MANUFACTURE	10	19	3329	3	1793	0
13 PETROLEUM REFINERIES	0	6	11	4	9	223
14 PHARMACEUTICAL MANUFACTURE	0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	309	2921	0	0	665	4
16 SYNTHETIC FIBER MANUFACTURE	24	12	0	0	39	1
17 ORGANIC CHEMICAL MANUFACTURE	20	39	0	0	620	0
18 INORGANIC CHEMICAL MANUFACTURE	67	1298	182	7	97	7
19 FERMENTATION PROCESSES	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0
23 SER RUBBER MANUFACTURE	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	52	3539	872	12	5725	919
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0
26 TOBACCO PRODUCTS	0	0	0	0	0	0
27 FOOD PRODUCTS	13	7	0	0	127	0
28 TEXTILE MILL PRODUCTS	0	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	4	120	0	0	0	0
31 STONE,CLAY,GLASS,CONCRETE	32	4004	1663	0	22	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	27	1	0	43	0	0
33 FABRICATED METAL PRODUCTS	91	587	0	33	332	0
34 IN-PROCESS FUEL USE	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	1929	5311	75	260	27098	0
36 ADHESIVES	0	0	0	0	0	0
37 INCL. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0
38 IND. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0
39 IND. SFC. COATING-AUTOMOBILE	9	366	0	0	0	0
40 IND. SFC. COATING-CANS	22	56	0	0	654	0
41 IND. SFC. COATING-METAL COILS	0	0	0	0	0	0
42 IND. SFC. COATING-PAPER	0	0	0	0	0	0
43 IND. SFC. COATING-FABRIC	0	0	0	0	0	0
44 IND. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0
45 IND. SFC. COATING-MISC. FOOD PRODUCTS	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0
49 IND. SFC. COATING-MISC-METAL PRODUCTS	0	0	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	3	0	0	0	0	0

TABLE A-1 (continued)

COUNTY:3060

CATEGORY	POINT COUNT	----- TSP	PRIMARY S02	EMISSIONS NOX	(TONS/YEAR) HC	----- CO
51 DEGREASING	0	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0
53 GRAPHIC ARTS	6	0	0	0	629	0
54 OTHER - (SOLVENT USE)	0	0	0	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	10	1262	4594	22593	55	486
59 EXT. COMB. BOILERS-INDUSTRIAL	50	715	2297	4097	2808	18513
60 EXT. COMB. BOILERS-COMM/INST.	6	27	155	243	10	12
61 EXT. COMB. SPACE HEATERS-INDUST.	8	154	891	665	31	36894
62 EXT. COMB. SPACE HEATERS-COMM.	2	250	3960	1803	100	500
63 OTHERS-(FUEL COMBUSTION)	98	566	2151	473	3680	670
64 SOLID WASTE DISPOSAL-GOVT.	0	0	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST.	0	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	1	1	1	1	0	0
67 OTHER SOLID WASTE DISPOSAL	1	3	0	0	0	0
68 WASTE SOLVENT RECOVERY PROCESSES	11	0	0	0	40	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	0	0	0	0	0	0
70 NOT CLASSIFIED	0	0	0	0	0	0
COUNTY TOTALS		23442	20379	30263	45244	58379

TABLE A-1 (continued)

COUNTY:3100

CATEGORY	POINT COUNT	----- TSP	PRIMARY SFC	JCC SFC	EMISSIONS RUC	(TUNS/YEAR) HC	----- C ₁₀
1 OIL AND GAS PRODUCTION & PROCESSING	3	0	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	0	0	0	0	0	0	0
3 GASOLINE AND CRUDE OIL STORAGE	0	0	0	0	0	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	0	0	0	0	0	0	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0	0
8 TANK TRUCK LOADING	0	0	0	0	0	0	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0	0
11 OTHERS-(STORAGE, TRANSP., MKT OF VOC)	1	0	0	0	0	0	0
12 LUMP OIL MANUFACTURE	0	0	0	0	0	0	0
13 PETROLEUM REFINERIES	0	0	0	0	0	0	0
14 PHARMACEUTICAL MANUFACTURE	0	0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	0	0	0	0	0	0	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0	0
18 INORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0	0
19 FERMENTATION PROCESSES	0	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0	0
22 RUBBER TYRE MANUFACTURE	0	0	0	0	0	0	0
23 SBR RUBBER MANUFACTURE	0	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	62	20	0	9	0	301	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0	0
26 TOBACCO PRODUCTS	0	0	0	0	0	0	0
27 FOOD PRODUCTS	80	1267	0	0	0	486	0
28 TEXTILE MILL PRODUCTS	0	0	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	0	0	0
31 STONE, CLAY, GLASS, CONCRTE	0	0	0	0	0	0	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	0	0	0	0	0	0	0
33 FABRICATED METAL PRODUCTS	0	0	0	0	0	0	0
34 IN-PROCESS FUEL USE	0	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	04	30	0	384	410	104	0
36 ADHESIVES	0	0	0	0	0	0	0
37 IND. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0	0
38 IND. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0	0
39 IND. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0	0
40 IND. SFC. COATING-CANS	0	0	0	0	0	0	0
41 IND. SFC. COATING-METAL COILS	0	0	0	0	0	0	0
42 IND. SFC. COATING-PAPER	0	0	0	0	0	0	0
43 IND. SFC. COATING-FABRIC	0	0	0	0	0	0	0
44 IND. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0	0
45 IND. SFC. COATING-METAL/WOOD PRODUCTS	0	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0	0
49 IND. SFC. COATING-MISC. METAL PRODUCTS	0	0	0	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0	0

TABLE A-1 (continued)

COUNTY: 3180

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	SCC EMISSIONS NOx	(TONS/YEAR) HC	----- CO
51 DEGREASING	0	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0
53 GRAPHIC ARTS	0	0	0	0	0	0
54 OTHER - (SOLVENT USE)	0	0	0	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	0	0	0	0	0	0
59 EXT. COMB. BOILERS-INDUSTRIAL	14	1412	25228	881	642	3103
60 EXT. COMB. BOILERS-COMM/INST	2	34	12	32	2	2
61 EXT. COMB. SPACE HEATERS-INDUST.	0	0	0	0	0	0
62 EXT. COMB. SPACE HEATERS-COMM.	0	0	0	0	0	0
63 OTHERS-(FUEL COMBUSTION)	5	29	227	125	5	6
64 SOLID WASTE DISPOSAL-GOVT.	0	0	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	1	0	0	0	0	0
67 OTHER SOLID WASTE DISPOSAL	1	0	0	0	98	0
68 WASTE SOLVENT RECOVERY PROCESSES	0	0	0	0	0	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	0	0	0	0	0	0
70 NOT CLASSIFIED	0	0	0	0	0	0
COUNTY TOTALS		2792	25860	1452	1644	3114

TABLE A-1 (continued)

COUNTY: 3260

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO ₂	SO ₂	NO _x	(TUNS/YR MKT) FC	----- C ₁
1 OIL AND GAS PRODUCTION & PROCESSING	3	0	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	0	0	0	0	0	0	0
3 GASOLINE AND CRUDE OIL STORAGE	0	0	0	0	0	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	0	0	0	0	0	0	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0	0
8 TANK TRUCK LOADING	0	0	0	0	0	0	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0	0
11 OTHERS-(STORAGE, TRANSP., MKT OF VOC)	4	0	0	0	111	0	0
12 LUBE OIL MANUFACTURE	0	0	0	0	0	0	0
13 PETROLEUM REFINERIES	0	0	0	0	0	0	0
14 PHARMACEUTICAL MANUFACTURE	0	0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	0	0	0	0	0	0	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	17	21	0	0	0	30	0
18 INORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0	0
19 FERMENTATION PROCESSES	0	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0	0
23 SER RUBBER MANUFACTURE	0	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	55	50	0	0	0	1694	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0	0
26 TUBACCC PRODUCTS	0	0	0	0	0	0	0
27 FOOD PRODUCTS	0	0	0	0	0	0	0
28 TEXTILE MILL PRODUCTS	0	0	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	0	0	0
31 STONE, CLAY, GLASS, CONCRETE	1	0	0	0	0	0	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	0	0	0	0	0	0	0
33 FABRICATED METAL PRODUCTS	0	0	0	0	0	0	0
34 IN-PROCESS FUEL USE	3	0	0	0	0	1	0
35 OTHERS - (INDUSTRIAL PROCESSES)	53	245	0	0	0	914	0
36 ADHESIVES	0	0	0	0	0	0	0
37 IND. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0	0
38 IND. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0	0
39 IND. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0	0
40 IND. SFC. COATING-CANS	0	0	0	0	0	0	0
41 IND. SFC. COATING-METAL COILS	0	0	0	0	0	0	0
42 IND. SFC. COATING-PAPER	0	0	0	0	0	0	0
43 IND. SFC. COATING-FABRIC	0	0	0	0	0	0	0
44 IND. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0	0
45 IND. SFC. COATING-METAL/WOOD PRODUCTS	0	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0	0
49 IND. SFC. COATING-MISC. METAL PRODUCTS	3	2	0	0	0	14	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	7	0	0	0	0	75	0

TABLE A-1 (continued)

COUNTY:3260

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	SCC EMISSIONS NOx	(TONS/YEAR) HC	----- CO
51 DEGREASING	0	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0
53 GRAPHIC ARTS	0	0	0	0	0	0
54 OTHER - (SOLVENT USE)	0	0	0	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	4	323	1195	1764	25	126
59 EXT. COMB. BOILERS-INDUSTRIAL	8	140	211	471	14	19
60 EXT. COMB. BOILERS-COMM/INST	3	0	0	0	0	0
61 EXT. COMB. SPACE HEATERS-INDUST.	4	4	11	23	0	0
62 EXT. COMB. SPACE HEATERS-COMM.	0	0	0	0	0	0
63 OTHERS-(FULL COMBUSTION)	1	0	0	0	0	0
64 SOLID WASTE DISPOSAL-GOVT.	0	0	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	0	0	0	0	0	0
67 OTHER SOLID WASTE DISPOSAL	0	0	0	0	0	0
68 WASTE SOLVENT RECOVERY PROCESSES	0	0	0	0	0	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	0	0	0	0	0	0
70 NOT CLASSIFIED	0	0	0	0	0	0
COUNTY TOTALS		785	1417	2264	2880	145

TABLE A-1 (continued)

COUNTY:3500

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	EMISSIONS NOX	(TUNS/YEAR) HC	----- CO
1 OIL AND GAS PRODUCTION & PROCESSING	0	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	0	0	0	0	0	0
3 GASOLINE AND CRUDE OIL STORAGE	0	0	0	0	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	0	0	0	0	0	0
7 GASOLINE BULK PLAYS	0	0	0	0	0	0
8 TANK TRUCK LOADING	0	0	0	0	0	0
9 SERVICE STATION -LOADING (STAGE I)	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0
11 OTHERS-(STORAGE, TRANSP.+ MKT OF VOC)	14	0	0	0	654	0
12 LUBE OIL MANUFACTURE	0	0	0	0	0	0
13 PETROLEUM REFINERIES	0	0	0	0	0	0
14 PHARMACEUTICAL MANUFACTURE	0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	11	0	0	0	0	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0
18 INORGANIC CHEMICAL MANUFACTURE	73	392	336	0	128	0
19 FERMENATION PROCESSES	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0
23 SER RUBBER MANUFACTURE	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	4	0	0	0	0	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0
26 TOBACCO PRODUCTS	0	0	0	0	0	0
27 FOOD PRODUCTS	0	0	0	0	0	0
28 TEXTILE MILL PRODUCTS	0	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	0	0
31 STONE,CLAY,GLASS,CONCRETE	0	0	0	0	0	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	5	0	0	0	0	0
33 FABRICATED METAL PRODUCTS	0	0	0	0	0	0
34 IN-PROCESS FUEL USE	1	4	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	11	1	0	0	145	0
36 ADHESIVES	0	0	0	0	0	0
37 IND. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0
38 IND. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0
39 IND. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0
40 IND. SFC. COATING-CANS	0	0	0	0	0	0
41 IND. SFC. COATING-METAL COILS	0	0	0	0	0	0
42 IND. SFC. COATING-PAPER	0	0	0	0	0	0
43 IND. SFC. COATING-FABRIC	0	0	0	0	0	0
44 IND. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0
45 IND. SFC. COATING-METAL/WOOD PRODUCTS	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0
49 IND. SFC. COATING-MISC.METAL PRODUCTS	0	0	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0

TABLE A-1 (continued)

COUNTY:3900

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	SCC EMISSIONS NOx	(TONS/YEAR) HC	----- CO
51 DEGREASING	0	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0
53 GRAPHIC ARTS	0	0	0	0	0	0
54 OTHER - (SOLVENT USE)	0	0	0	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	0	0	0	0	0	0
59 EXT. COMB. BOILERS-INDUSTRIAL	1	0	0	1051	0	285
60 EXT. COMB. BOILERS-COMM/INST	2	18	82	134	1	7
61 EXT. COMB. SPACE HEATERS-INDUST.	1	0	0	1	0	0
62 EXT. COMB. SPACE HEATERS-COMM.	6	107	728	781	43	216
63 OTHERS-(FUEL COMBUSTION)	3	38	0	0	0	0
64 SOLID WASTE DISPOSAL-GOVT.	0	0	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST	1	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	0	0	0	0	0	0
67 OTHER SOLID WASTE DISPOSAL	0	0	0	0	0	0
68 WASTE SOLVENT RECOVERY PROCESSES	0	0	0	0	0	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	0	0	0	0	0	0
70 NOT CLASSIFIED	0	0	0	0	0	0
COUNTY TOTALS		568	1146	1967	973	508

TABLE A-1 (continued)

COUNTY:4120

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	EMISSIONS NOX	(TONS/YEAR) HC	----- (C)
1 OIL AND GAS PRODUCTION & PROCESSING	1	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	0	0	0	0	0	0
3 GASOLINE AND CRUDE OIL STORAGE	0	0	0	0	0	0
4 SHIP AND LARGE TRANSFER OF VOC	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	1	0	0	0	1	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0
8 TANK TRUCK LOADING	0	0	0	0	0	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0
11 OTHERS-(STORAGE, TRANSP., MKT OF VOC)	2	0	0	0	0	0
12 LULU OIL MANUFACTURE	0	0	0	0	0	0
13 PETROLEUM REFINERIES	0	0	0	0	0	0
14 PHARMACEUTICAL MANUFACTURE	0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	45	889	0	0	16	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0
18 INORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0
19 FERMANTATION PROCESSES	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0
23 SER RUBBER MANUFACTURE	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	169	236	11	0	213	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0
26 TOBACCO PRODUCTS	0	0	0	0	0	0
27 FOOD PRODUCTS	59	9	0	285	373	0
28 TEXTILE MILL PRODUCTS	21	242	0	0	528	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	0	0
31 STONE,CLAY,GLASS,CONCRETE	1	0	0	0	0	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	0	0	0	0	0	0
33 FABRICATED METAL PRODUCTS	1	0	0	0	0	0
34 IN-PROCESS FUEL USE	4	1	0	0	115	0
35 OTHERS - (INDUSTRIAL PROCESSES)	125	79	0	0	781	0
36 ADHESIVES	0	0	0	0	0	0
37 INC. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0
38 INC. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0
39 INC. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0
40 INC. SFC. COATING-CANS	0	0	0	0	0	0
41 INC. SFC. COATING-METAL COILS	0	0	0	0	0	0
42 INC. SFC. COATING-PAPER	0	0	0	0	0	0
43 INC. SFC. COATING-FABRIC	0	0	0	0	0	0
44 INC. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0
45 INC. SFC. COATING-METAL/WOOD PRODUCTS	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0
49 INC. SFC. COATING-MISC.METAL PRODUCTS	0	0	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0

TABLE A-1 (continued)

COUNTY:4120

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	SCC NOx	EMISSIONS (TONS/YEAR)	HC	CO
51 DEGREASING	0	0	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0	0
53 GRAPHIC ARTS	3	0	0	0	6	0	0
54 OTHER - (SOLVENT USE)	0	0	0	0	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	0	0	0	0	0	0	0
59 EXT. COMB. BOILERS-INDUSTRIAL	16	794	10394	2731	427	1828	
60 EXT. COMB. BOILERS-COMM/INST	1	20	94	701	26	4	
61 EXT. COMB. SPACE HEATERS-INDUST.	12	787	485	143	317	1573	
62 EXT. COMB. SPACE HEATERS-COMM.	0	0	0	0	0	0	
63 OTHERS-(FUEL COMBUSTION)	4	5	5	3	87	3	
64 SOLID WASTE DISPOSAL-GOVT.	0	0	0	0	0	0	
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	0	0	0	
66 SOLID WASTE DISPOSAL-INDUSTRIAL	0	0	0	0	0	0	
67 OTHER SOLID WASTE DISPOSAL	0	0	0	0	0	0	
68 WASTE SOLVENT RECOVERY PROCESSES	0	0	0	0	0	0	
69 STATIONARY INTERNAL COMBUSTION ENGINES	0	0	0	0	0	0	
70 NOT CLASSIFIED	0	0	0	0	0	0	
COUNTY TOTALS		3067	10969	3663	2698	3412	

TABLE A-1 (continued)

COUNTY:4500

CATEGORY	POINT COUNT	----- TSP -----	PRIMARY SO2	SCC EMISSIONS NOX	(TONS/YEAR) HC	----- CO -----
1 OIL AND GAS PRODUCTION & PROCESSING	0	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	1	0	0	0	0	0
3 GASOLINE AND CHUDF OIL STORAGE	6	0	0	0	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	1	0	0	0	0	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0
8 TANK TRUCK LOADING	0	0	0	0	0	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0
11 OFFERS-(STORAGE, TRANSP., MXT OF VOC)	0	0	0	0	4	0
12 LUBE OIL MANUFACTURE	0	0	0	0	0	0
13 PETROLIUM REFINERIES	0	10	0	0	0	0
14 PHARMACEUTICAL MANUFACTURE	0	0	0	0	0	0
15 TEXTILE POLYMER & RESIN MANUFACTURE	101	3620	0	0	200	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	243	484	1039	170	394	0
18 INORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0
19 FERMENTATION PROCESSES	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0
23 SBR RUBBER MANUFACTURE	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	15	4	0	0	1	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0
26 TORACCO PRODUCTS	0	0	0	0	0	0
27 FOOD PRODUCTS	0	0	0	0	0	0
28 TEXTILE MILL PRODUCTS	0	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	0	0
31 STONE,CLAY,GLASS,CONCRETE	4	67	0	0	0	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	28	9	0	0	4310	0
33 FABRICATED METAL PRODUCTS	3	2	0	0	0	0
34 IN-PROCESS FULL USE	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	154	683	0	0	2113	0
36 ADHESIVES	0	0	0	0	0	0
37 IND. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0
38 IND. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0
39 IND. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0
40 IND. SFC. COATING-CANS	0	0	0	0	0	0
41 IND. SFC. COATING-METAL COILS	0	0	0	0	0	0
42 IND. SFC. COATING-PAPER	0	0	0	0	0	0
43 IND. SFC. COATING-FABRIC	0	0	0	0	0	0
44 IND. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0
45 IND. SFC. COATING-METAL/WOOD PRODUCTS	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0
49 IND. SFC. COATING-MISC.METAL PRODUCTS	0	0	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0

TABLE A-1 (continued)

COUNTY:4900

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	EMISSIONS NOX	(TONS/YEAR) HC	----- CO
51 DEGREASING	0	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0
53 GRAPHIC ARTS	2	66	0	0	68	0
54 OTHER - (SOLVENT USE)	0	0	0	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	11	491	12986	7212	138	366
59 EXT. COMB. BOILERS-INDUSTRIAL	16	418	5324	2414	42	147
60 EXT. COMB. BOILERS-COMM/INST.	0	0	0	0	0	0
61 EXT. COMB. SPACE HEATERS-INDUST.	0	0	0	0	0	0
62 EXT. COMB. SPACE HEATERS-COMM.	0	0	0	0	0	0
63 OTHERS-(FUEL COMBUSTION)	23	309	2101	247	81	5
64 SOLID WASTE DISPOSAL-GOVT.	0	0	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	0	0	0	0	0	0
67 OTHER SOLID WASTE DISPOSAL	0	0	0	0	0	0
68 WASTE SOLVENT RECOVERY PROCESSES	3	0	0	0	0	0
69 STATIONARY INTERVAL COMBUSTION ENGINES	16	13	59	233	14	29
70 NOT CLASSIFIED	0	0	0	0	0	0
COUNTY TOTALS		6191	21509	10282	7275	487

TABLE A-1 (continued)

COUNTY: 5120

CATEGORY	POINT COUNT	----- TSP	PRIMARY SCC	EMISSIONS SCC	NUK	(TONS/YEAR) HC	----- C
1 OIL AND GAS PRODUCTION & PROCESSING	1	0	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	0	0	0	0	0	0	0
3 GASOLINE AND CRUDE OIL STORAGE	0	0	0	0	0	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	0	0	0	0	0	0	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0	0
8 TANK TRUCK LOADING	0	0	0	0	0	0	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0	0
11 OTHERS-(STORAGE, TRANSP., MKT OF VOC)	0	0	0	0	0	0	0
12 LULU OIL MANUFACTURE	0	0	0	0	0	0	0
13 PETROLEUM REFINERIES	0	0	0	0	0	0	0
14 PHARMACEUTICAL MANUFACTURE	0	0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	32	425	0	0	0	0	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0	0
18 INORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0	0
19 FERMENTATION PROCESSES	0	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0	0
23 SBR RUBBER MANUFACTURE	0	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	50	115	0	0	1404	649	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0	0
26 TOBACCO PRODUCTS	0	0	0	0	0	0	0
27 FOOD PRODUCTS	0	0	0	0	0	0	0
28 TEXTILE MILL PRODUCTS	0	0	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	0	0	0
31 STONE, CLAY, GLASS, CONCRETE	25	348	0	19	17	65	12
32 PRIMARY & SECONDARY METALS & ELECTRICAL	0	0	0	0	0	0	0
33 FABRICATED METAL PRODUCTS	0	0	0	0	0	0	0
34 IN-PROCESS FUEL USE	0	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	150	976	0	0	0	1566	0
36 ADHESIVES	0	0	0	0	0	0	0
37 INC. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0	0
38 INC. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0	0
39 INC. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0	0
40 INC. SFC. COATING-CANS	0	0	0	0	0	0	0
41 INC. SFC. COATING-METAL COILS	0	0	0	0	0	0	0
42 INC. SFC. COATING-FABRIC	0	0	0	0	0	0	0
43 INC. SFC. COATING-FABRIC	0	0	0	0	0	0	0
44 INC. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0	0
45 INC. SFC. COATING-METAL/WOOD PRODUCTS	0	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0	0
49 INC. SFC. COATING-MISC. METAL PRODUCTS	0	0	0	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	3	10	0	0	0	3	0

TABLE A-1 (continued)

COUNTY:5020

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	EMISSIONS NOX	(TONS/YEAR) HC	----- CO
51 DEGREASING	0	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0
53 GRAPHIC ARTS	0	0	0	0	0	0
54 OTHER - (SOLVENT USE)	0	0	0	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	1	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	2	18	44	44	44	44
59 EXT. COMB. BOILERS-INDUSTRIAL	11	241	996	945	72	147
60 EXT. COMB. BOILERS-COMM/INST	0	0	0	0	0	0
61 EXT. COMB. SPACE HEATERS-INDUST.	3	228	132	1650	93	459
62 EXT. COMB. SPACE HEATERS-COMM.	0	0	0	0	0	0
63 OTHERS-(FUEL COMBUSTION)	9	43	15	15	15	15
64 SOLID WASTE DISPOSAL-GOVT.	0	0	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	0	0	0	0	0	0
67 OTHER SOLID WASTE DISPOSAL	0	0	0	0	0	0
68 WASTE SOLVENT RECOVERY PROCESSES	0	0	0	0	0	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	0	0	0	0	0	0
70 NOT CLASSIFIED	0	0	0	0	0	0
COUNTY TOTALS		2404	1206	4075	2535	677

TABLE A-1 (continued)

COUNTY:53 6

CATEGORY	POINT COUNT	TSF	PRIMARY SO2	EMISSIONS NOX	(TONS/YEAR) HC	CH
1 OIL AND GAS PRODUCTION & PROCESSING	5	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	1	0	0	0	0	0
3 GASOLINE AND CRUDE OIL STORAGE	0	0	0	0	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	0	0	0	0	0	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0
8 TANK TRUCK LOADING	0	0	0	0	0	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0
11 OTHERS-(STORAGE, TRANSP., MKT OF VOC)	0	0	0	0	0	0
12 LULU OIL MANUFACTURE	0	0	0	0	0	0
13 PETROLEUM REFINERIES	0	0	0	0	0	0
14 PHARMACEUTICAL MANUFACTURE	0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	0	0	0	0	0	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0
18 INORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0
19 FERMENTATION PROCESSES	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0
23 SPP RUBBER MANUFACTURE	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	0	0	0	0	0	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0
26 TOBACCO PRODUCTS	0	0	0	0	0	0
27 FOOD PRODUCTS	0	0	0	0	0	0
28 TEXTILE MILL PRODUCTS	0	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	0	0
31 STONE,CLAY,GLASS,CONCRETE	0	0	0	0	0	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	0	0	0	0	0	0
33 FABRICATED METAL PRODUCTS	0	0	0	0	0	0
34 IN-PROCESS FUEL USE	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	7	2	0	0	265	0
36 ADHESIVES	1	0	0	0	157	0
37 IND. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0
38 IND. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0
39 IND. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0
40 IND. SFC. COATING-CANS	0	0	0	0	0	0
41 IND. SFC. COATING-METAL COILS	0	0	0	0	0	0
42 IND. SFC. COATING-PAPER	0	0	0	0	0	0
43 IND. SFC. COATING-FABRIC	0	0	0	0	0	0
44 IND. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0
45 IND. SFC. COATING-METAL/WOOD PRODUCTS	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0
49 INC. SFC. COATING-MISC.METAL PRODUCTS	0	0	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	1	0	0	0	0	0

TABLE A-1 (continued)

COUNTY: 5300

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	EMISSIONS NOX	(TONS/YEAR) HC	----- CO
51 DEGREASING	0	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0
53 GRAPHIC ARTS	0	0	0	0	0	0
54 OTHER - (SOLVENT USE)	0	0	0	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	0	0	0	0	0	0
59 EXT. COMB. BOILERS-INDUSTRIAL	1	0	7	7	11	4
60 EXT. COMB. BOILERS-COMM/INST	0	0	0	0	0	0
61 EXT. COMB. SPACE HEATERS-INDUST.	0	0	0	0	0	0
62 EXT. COMB. SPACE HEATERS-COMM.	0	0	0	0	0	0
63 OTHERS-(FUEL COMBUSTION)	1	15	0	0	0	0
64 SOLID WASTE DISPOSAL-GOVT.	0	0	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	0	0	0	0	0	0
67 OTHER SOLID WASTE DISPOSAL	0	0	0	0	0	0
68 WASTE SOLVENT RECOVERY PROCESSES	0	0	0	0	0	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	0	0	0	0	0	0
70 NOT CLASSIFIED	0	0	0	0	0	0
COUNTY TOTALS		19	7	7	441	4

TABLE A-1 (continued)

COUNTY:5440

CATEGORY	POINT COUNT	TSP	PRIMARY SO ₂	EMISSIONS NO _x	(TONS/YEAR) HC	CO
1 OIL AND GAS PRODUCTION & PROCESSING	0	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	0	0	0	0	0	0
3 GASOLINE AND CRUDE OIL STORAGE	0	0	0	0	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	17	0	0	0	122	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0
8 TANK TRUCK LOADING	3	0	0	0	58	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0
11 OTHERS-(STORAGE, TRANSF., MKT OF VOC)	39	0	0	0	826	0
12 LUBE OIL MANUFACTURE	14	131	2930	0	38	0
13 PETROLEUM REFINERIES	4	0	0	0	37	0
14 PHARMACEUTICAL MANUFACTURE	161	4633	84	87	172	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	13	87	0	0	127	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	3	0	0	0	442	0
18 INORGANIC CHEMICAL MANUFACTURE	51	161	3717	0	1370	22
19 FERMENTATION PROCESSES	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0
23 SBR RUBBER MANUFACTURE	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	432	9946	1098	2231	2960	0
25 IRON AND STEEL MANUFACTURE	42	129	0	373	153	42
26 TUBACCC PRODUCTS	0	0	0	0	0	0
27 FOOD PRODUCTS	4	16	0	0	0	0
28 TEXTILE MILL PRODUCTS	0	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	1	2	0	0	0	0
31 STONE,CLAY,GLASS,CONCRETE	7	9	0	0	0	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	3	97	0	0	0	0
33 FABRICATED METAL PRODUCTS	58	0	0	0	0	0
34 IN-PROCESS FUEL USE	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	1224	3467	0	80	25425	0
36 ADHESIVES	0	0	0	0	0	0
37 IND. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0
38 IND. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0
39 IND. SFC. COATING-AUTOMOBILE	12	45	0	0	1800	0
40 IND. SFC. COATING-CANS	0	0	0	0	0	0
41 IND. SFC. COATING-METAL COILS	0	0	0	0	0	0
42 IND. SFC. COATING-PAPER	0	0	0	0	0	0
43 IND. SFC. COATING-TEXTILE	0	0	0	0	0	0
44 IND. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0
45 IND. SFC. COATING-METAL/WOOD PRODUCTS	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0
49 IND. SFC. COATING-MISC.METAL PRODUCTS	0	0	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	46	1	0	11	742	0

TABLE A-1 (continued)

COUNTY:5440

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	SCC NOx	EMISSIONS (TONS/YEAR)	HC	----- CO
51 DEGREASING	1	1	0	3	0	0	0
52 DRY CLEANING	0	0	0	3	0	0	0
53 GRAPHIC ARTS	0	0	0	3	0	0	0
54 OTHER - (SOLVENT USE)	1	0	0	3	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	3	0	0	0
56 AUTO REFINISHING	0	0	0	3	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	3	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	19	3018	21369	22945	691	2204	
59 EXT. COMB. BOILERS-INDUSTRIAL	25	644	3062	2259	40	112	
60 EXT. COMB. BOILERS-COMM/INST	9	96	413	449	33	39	
61 EXT. COMB. SPACE HEATERS-INDUST.	0	0	0	3	0	0	
62 EXT. COMB. SPACE HEATERS-COMM.	0	0	0	3	0	0	
63 OTHERS-(FUEL COMBUSTION)	17	38	3514	3	13	0	
64 SOLID WASTE DISPOSAL-GOVT.	1	1	0	3	0	0	
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	3	0	0	
66 SOLID WASTE DISPOSAL-INDUSTRIAL	1	1	0	3	0	0	
67 OTHER SOLID WASTE DISPOSAL	1	17	0	3	0	0	
68 WASTE SOLVENT RECOVERY PROCESSES	5	0	0	3	0	0	
69 STATIONARY INTERNAL COMBUSTION ENGINES	1	0	0	3	20	0	
70 NOT CLASSIFIED	7	0	0	3	127	0	
COUNTY TOTALS		22540	36187	28444	35196	2419	

TABLE A-1 (continued)

COUNTY:5660

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	SCC NOx	EMISSIONS (TONS/YEAR)	HC	CO
1 OIL AND GAS PRODUCTION & PROCESSING	0	0	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	40	9	0	0	46	0	0
3 GASOLINE AND CRUDE OIL STORAGE	2	0	0	0	375	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	6	0	0	0	548	0	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0	0
8 TANK TRUCK LOADING	0	0	0	0	0	0	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0	0
11 OTHERS-STORAGE, TRANSP.. MKT OF VOC	25	2	0	0	773	0	0
12 LUBE OIL MANUFACTURE	0	0	0	0	0	0	0
13 PETROLEUM REFINERIES	0	0	0	0	0	0	0
14 PHARMACEUTICAL MANUFACTURE	0	0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	1	2	0	0	0	0	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	4	13	0	0	0	0	0
18 INORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0	0
19 FERMENTATION PROCESSES	0	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0	0
23 RUBBER MANUFACTURE	0	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	261	1861	5985	0	723	0	0
25 IRON AND STEEL MANUFACTURE	5	19	0	0	0	0	0
26 TOBACCO PRODUCTS	0	0	0	0	0	0	0
27 FOOD PRODUCTS	0	0	0	0	0	0	0
28 TEXTILE MILL PRODUCTS	0	0	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	0	0	0
31 STONE,CLAY,GLASS,CONCRETE	13	74	0	0	0	0	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	3	3	0	0	1	0	0
33 FABRICATED METAL PRODUCTS	64	712	0	0	31	0	0
34 IN-PROCESS FUEL USE	0	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	86	82	0	0	322	0	0
36 ADHESIVES	0	0	0	0	0	0	0
37 IND. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0	0
38 IND. SFC. COATING-WHAREHOUSE WIRE	3	0	0	0	13	0	0
39 IND. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0	0
40 IND. SFC. COATING-CANS	0	0	0	0	0	0	0
41 IND. SFC. COATING-METAL COILS	0	0	0	0	0	0	0
42 IND. SFC. COATING-PAPER	0	0	0	0	0	0	0
43 IND. SFC. COATING-ABRIC	0	0	0	0	0	0	0
44 IND. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0	0
45 IND. SFC. COATING-METAL/WOOD PRODUCTS	0	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0	0
49 IND. SFC. COATING-MISC-METAL PRODUCTS	0	0	0	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	39	21	0	0	1137	0	0

TABLE A-1 (continued)

COUNTY:5660

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	SCC NOx	EMISSIONS (TONS/YEAR)	----- CO
51 DEGREASING	1	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0
53 GRAPHIC ARTS	0	0	0	0	0	0
54 OTHER - (SOLVENT USE)	3	2	0	0	4	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	0	0	0	0	0	0
59 EXT. COMB. BOILERS-INDUSTRIAL	14	348	1109	2563	88	138
60 EXT. COMB. BOILERS-COMM/INST	9	349	1948	1133	217	496
61 EXT. COMB. SPACE HEATERS-INDUST.	0	0	0	0	0	0
62 EXT. COMB. SPACE HEATERS-COMM.	0	0	0	0	0	0
63 OTHERS-(FUEL COMBUSTION)	0	0	0	0	0	0
64 SOLID WASTE DISPOSAL-GOVT.	0	0	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	0	0	0	0	0	0
67 OTHER SOLID WASTE DISPOSAL	0	0	0	0	0	0
68 WASTE SOLVENT RECOVERY PROCESSES	0	0	0	0	15	0
'69 STATIONARY INTERNAL COMBUSTION ENGINES	2	0	0	52	1	5
70 NOT CLASSIFIED	0	0	0	0	0	0
COUNTY TOTALS		3497	9042	3743	4294	639

APPENDIX B

AREA SOURCE EMISSIONS BY CATEGORY FOR THE NEW JERSEY COUNTIES

Table B-1 presents area source emissions, by category, for each of the New Jersey counties, which are identified below.

<u>County</u>	<u>NEDS/EIS County Code</u>
Atlantic	0080
Bergen	0300
Burlington	0660
Camden	0740
Cape May	0780
Cumberland	1050
Essex	1380
Gloucester	1760
Hudson	2240
Hunterdon	2260
Mercer	2980
Middlesex	3060
Monmouth	3180
Morris	3260
Ocean	3900
Passaic	4120
Salem	4900
Somerset	5020
Sussex	5300
Union	5440
Warren	5660

TABLE B-1. AREA SOURCE EMISSIONS (1980) BY CATEGORY FOR THE NEW JERSEY COUNTIES

COUNTY:0080

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RAT	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
01	STAGE I GASOLINE EVAP	000079600	THOUS GAL	THC	7.30	0000291
02	STAGE II GASOLINE EVAP	000079600	THOUS GAL	THC	9.70	0000386
03	STORAGE TANK BREATHING	000079600	THOUS GAL	THC	1.00	0000040
04	GASOLINE LADING/TRANSIT	000082496	THOUS GAL	THC	6.87	0000283
05	SM IND/COMM DEGREASING	00194119	POPULATION	NHC	3.00	0000291
06	DRY CLEANING	000194119	POPULATION	NHC	1.22	0000119
07	AFCV SURFACE COATING	000194119	POPULATION	NHC	4.60	0000446
08	AUT BODY R-FINISHING	00194119	POPULATION	NHC	1.90	0000184
09	SM IND SURFACE COATING	000004205	TON	THC	1.175.00	0002517
10	GRAPHIC ARTS	00194119	POPULATION	NHC	0.80	0000078
11	COMM/CLUBS SOLVENT USE	000194119	POPULATION	THC	6.30	0000611
12	CUTBACK ASPHALT	000002376	TON	THC	675.46	0000803
13	PESTICIDES	000000338	TON	NHC	1.800.00	0000304
14	OV-HIGHWAY LDV	001194323	THOUS VMT	NOX NHC	11.57 7.33	0006909 0004379
15	OV-HIGHWAY LDV	00120118	THOUS VMT	NOX NHC	11.57 7.33	0000730 0000462
16	OV-HIGHWAY LDV	000071414	THOUS VMT	NOX NHC	11.57 7.33	0000413 0000262

TABLE B-1 (continued)

COUNTY:0080

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS M.T.	UNITS	POLLUTANT I.D.	EMISSION FACTOR	MISSIONS ESTIMATE
17	ON-HIGHWAY HDG	000000000	THOUS VMT	COX NHC	11.57 7.33	0000369 0000234
18	ON-HIGHWAY HDL	000000143	THOUS VMT	COX NHC	11.57 7.33	0000290 0000194
19	ON-HIGHWAY VC	000014575	THOUS VMT	COX NHC	11.57 7.33	0000079 0000050
20	RESIDENTIAL ANTHRACITE	000000070	TON	COX THC	3.00 2.50	0000003 0000002
21	RESIDENTIAL BITUMINOUS	000000000	TON	COX THC	3.00 20.00	0000000 0000000
22	RESIDENTIAL RESIDUAL OIL	000000000	THOUS GAL	COX THC	60.00 1.00	0000050 0000001
23	RESIDENTIAL DISTILLATE	000042720	THOUS GAL	COX THC	18.00 1.00	0000384 0000021
24	RESIDENTIAL NATURAL GAS	000000000	CU FT	COX THC	80.00 6.00	0000120 0000012
25	RESIDENTIAL LPG	000000000	THOUS GAL	COX THC	7.50 0.75	0000000 0000000
26	RESIDENTIAL WOOD	000000000	TON	COX THC	5.00 20.00	0000001 0000002
27	COMM/INST ANTHRACITE	000000000	TON	COX THC	10.00 0.00	0000000 0000000
28	COMM/INST BITUMINOUS	000000000	TON	COX THC	6.00 3.00	0000000 0000000
29	COMM/INST RESIDUAL OIL	000000000	THOUS GAL	COX THC	60.00 1.00	0000310 0000005

TABLE B-1 (continued)

COUNTY:0080

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT ID.	EMISSION FACTOR	EMISSIONS ESTIMATE
30	COMM/INST DISTILLATE OIL	000000000	THOUS GAL	NOX THC	22.00 1.00	0000108 0000005
31	COMM/INST NATURAL GAS	000001400	MIL CU FT	NOX THC	120.00 8.00	0000084 0000006
32	COMM/INST LPG	000000000	THOUS GAL	NOX THC	11.00 0.75	0000000 0000000
33	COMM/INST WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
34	INDUSTRIAL ANTHRACITE	000000000	TON	NOX THC	18.00 0.00	0000000 0000000
35	INDUSTRIAL BITUMINOUS	000000000	TON	NOX THC	15.00 1.00	0000000 0000000
36	INDUSTRIAL RESIDUAL OIL	000000130	THOUS GAL	NOX THC	60.00 1.00	0000064 0000001
37	INDUSTRIAL DISTILLATE OIL	000000160	THOUS GAL	NOX THC	22.00 1.00	0000024 0000001
38	INDUSTRIAL NATURAL GAS	000000360	MIL CU FT	NOX THC	175.00 3.00	0000032 0000001
39	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 3.00	0000000 0000000
40	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
41	MILITARY AIRCRAFT	000000000	LND/TAKE OFF	NOX THC	3.79 22.02	0000032 0000000
42	CIVIL AIRCRAFT	000000000	LND/TAKE OFF	NOX THC	0.18 0.53	0000004 0000012

TABLE B-1 (continued)

COUNTY:0080

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS LMD/TAKE OFF	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
043	COMMERCIAL AIRCRAFT	000005420		NOX THC	41.31 55.98	0000112 0000152
044	RAILROAD LOCOMOTIVES	000001090	THOUS GAL	NOX THC	370.00 94.00	0000202 0000051
045	VESSELS - GASOLINE	000001874	THOUS GAL	NOX THC	57.63 600.85	0000054 0000563
046	VESSELS - DISTILLATE OIL	000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
047	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
048	OFF-HIGHWAY VEHICLES-GAS	000000000	THOUS GAL	NOX THC	124.20 137.62	0000056 0000062
049	OFF-HIGHWAY VEH - DIESEL	000003280	THOUS GAL	NOX THC	465.24 36.58	0000763 0000060
050	ON-SITE INCINERATION	000017600	TUN	NOX THC	3.00 0.27	0000026 0000002
051	OPEN BURNING	000000001	THOUS GAL	NOX THC	19.20 467.20	0000000 0000005
052	STRUCTURAL FIRES	000041000	TUN	NOX THC	6.10 30.39	0000125 0000623
053	FIELD/SLASH BURNING	000001500	TUN	NOX THC	4.00 24.00	0000003 0000018
054	FOREST FIRES	000011007	TUN	NOX THC	4.00 24.00	0000022 0000132
999	COUNTY TOTALS			THC NOX		0006853 0006993 0011365

TABLE B-1 (continued)

COUNTY:0300

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000455400	THOUS GAL	THC	0.30	0000068
002	STAGE II GASOLINE LVAP	000455400	THOUS GAL	THC	9.70	0002209
003	STORAGE TANK BREATHING	000455400	THOUS GAL	THC	1.00	0000228
004	GASOLINE LOADING/TRANSIT	000471969	THOUS GAL	THC	6.87	0001621
005	SM IND/COMM DEGREASING	000845385	POPULATION	NHC	3.00	0001268
006	DRY CLEANING	000845385	POPULATION	NHC	1.16	0000494
007	ARCH SURFACE COATING	000845385	POPULATION	NHC	4.60	0001944
008	AUTO BODY REFINISHING	000845385	POPULATION	NHC	1.90	0000803
009	SM IND SURFACE COATING	000015713	TON	THC	1,175.00	0009231
010	GRAPHIC ARTS	000845385	POPULATION	NHC	0.80	0000338
011	COMM/CONS SOLVENT USE	000845385	POPULATION	THC	6.30	0002663
012	CUTBACK ASPHALT	000033227	TON	THC	675.46	0001090
013	PESTICIDES	000000031	TON	NHC	1,800.00	0000028
014	ON-HIGHWAY LDV	004856187	THOUS VMT	NOX NHC	9.91 7.72	0024075 0018752
015	ON-HIGHWAY LDT1	000512803	THOUS VMT	NOX NHC	9.91 7.72	0002542 0001979
016	ON-HIGHWAY LDT2	000250383	THOUS VMT	NOX NHC	9.92 7.72	0001440 0001121

TABLE B-1 (continued)

COUNTY:0300

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
017	ON-HIGHWAY HDG	000259491	THOUS VMT	NOX NHC	9.92 7.72	0001287 0001002
018	ON-HIGHWAY HDG	000263886	THOUS VMT	NOX NHC	9.92 7.72	0001011 0000787
019	ON-HIGHWAY MC	000055605	THOUS VMT	NOX NHC	9.92 7.72	0000276 0000215
020	RESIDENTIAL ANTHRACITE	000004040	TON	NOX THC	3.30 2.50	0000006 0000005
021	RESIDENTIAL BITUMINOUS	000030000	TON	NOX THC	3.30 20.30	0000000 0000000
022	RESIDENTIAL RESIDUAL OIL	000031650	THOUS GAL	NOX THC	60.00 1.00	0000170 0000003
023	RESIDENTIAL DISTILLATE	000144280	THOUS GAL	NOX THC	18.00 1.00	0001299 0000072
024	RESIDENTIAL NATURAL GAS	000019560	MIL CU FT	NOX THC	80.00 9.00	0000782 0000078
025	RESIDENTIAL LPG	000000000	THOUS GAL	NOX THC	7.50 0.75	0000000 0000000
026	RESIDENTIAL FUEL	000001100	TON	NOX THC	5.00 20.00	0000000 0000001
027	COMM/INST ANTHRACITE	000000000	TON	NOX THC	10.00 9.00	0000000 0000000
028	COMM/INST BITUMINOUS	000000000	TON	NOX THC	6.00 3.50	0000000 0000000
029	COMM/INST RESIDUAL OIL	000052130	THOUS GAL	NOX THC	60.00 1.00	0001564 0000025

TABLE B-1 (continued)

COUNTY:0300

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT EMISSION I.D. FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000045190	THOUS GAL	NOX THC	22.00 0000497 1.00 0000023
031	COMM/INST NATURAL GAS	000007110	MIL CU FT	NOX THC	120.00 0000427 8.00 0000028
032	COMM/INST LPG	000000000	THOUS GAL	NOX THC	11.00 0000000 0.75 0000000
033	COMM/INST WOOD/OTHER	000000000	TON	NOX THC	10.00 0000000 36.00 0000000
034	INDUSTRIAL ANTHRACITE	000000000	TON	NOX THC	18.00 0000000 0.00 0000000
035	INDUSTRIAL BITUMINOUS	000000000	TON	NOX THC	15.00 0000000 1.00 0000000
036	INDUSTRIAL RESIDUAL OIL	000023500	THOUS GAL	NOX THC	60.00 0000705 1.00 0000012
037	INDUSTRIAL DISTILLATE OIL	000023330	THOUS GAL	NOX THC	22.00 0000263 1.00 0000012
038	INDUSTRIAL NATURAL GAS	000004040	MIL CU FT	NOX THC	175.00 0000354 3.00 0000006
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 0000000 3.00 0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 0000000 36.00 0000000
041	MILITARY AIRCRAFT	000000000	LANDTAKE OFF	NOX THC	3.79 0000000 22.02 0000002
042	CIVIL AIRCRAFT	000139710	LANDTAKE OFF	NOX THC	0.18 0000013 0.53 0000037

TABLE B-1 (continued)

COUNTY:0300

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS LBS/DAY	POLLUTANT L.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
43	COMMERCIAL AIRCRAFT	00001971	THOUS GAL	NOX THC	41.31 55.98	0000351 0000475
44	RAILROAD LOCOMOTIVES	000003570	THOUS GAL	NOX THC	370.00 94.00	0000660 0000158
45	VESSELS - GASOLINE	000000347	THOUS GAL	NOX THC	5.76 455.33	0000001 0000079
46	VESSELS - DISTILLATE OIL	000000710	THOUS GAL	NOX THC	32.74 24.56	0000028 0000021
47	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
48	OFF-HIGHWAY VEHICLES-5AL	000004032	THOUS GAL	NOX THC	96.74 126.35	0000196 0000256
49	OFF-HIGHWAY VEH - DIESEL	00001590	THOUS GAL	NOX THC	488.39 33.86	0003807 0000264
50	ON-SITE INCINERATION	000004700	TON	NOX THC	3.00 0.27	0000127 0000012
51	OPEN BURNING	000000007	THOUS GAL	NOX THC	19.20 467.20	0000000 0000002
52	STRUCTURAL FIRES	000039000	TON	NOX THC	6.00 29.90	0000117 0000583
53	FIELD/SLASH BURNING	000000000	TON	NOX THC	4.00 24.00	0000001 0000034
54	FOREST FIRES	000000000	TON	NOX THC	4.00 24.00	0000000 0000000
999	COUNTY TOTALS			THC NOX		0019279 0028731 0041999

TABLE B-1 (continued)

COUNTY:0660

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000155700	THOUS GAL	THC	0.30	0000023
002	STAGE II GASOLINE EVAP	000155700	THOUS GAL	THC	9.70	0000755
003	STORAGE TANK BREATHING	000155700	THOUS GAL	THC	1.00	0000078
004	GASOLINE LOADING/TRANSIT	000161365	THOUS GAL	THC	6.87	0000554
005	SM IND/COMM DESGREASING	000362542	POPULATION	NHC	3.00	0000544
006	DRY CLEANING	000362542	POPULATION	NHC	1.19	0000216
007	ARCH SURFACE COATING	000362542	POPULATION	NHC	4.60	0000834
008	AUTO BODY REFINISHING	000362542	POPULATION	NHC	1.90	0000344
009	SM IND SURFACE COATING	000007143	TON	THC	1,175.00	0004197
010	GRAPHIC ARTS	000362542	POPULATION	NHC	0.80	0000145
011	COMM/CONS SOLVENT USE	000362542	POPULATION	THC	6.30	0001142
012	CUTBACK ASPHALT	000002538	TON	THC	675.46	0000864
013	PESTICIDES	000000531	TON	NHC	1,800.00	0000478
014	ON-HIGHWAY LDV	002032024	THOUS VMT	NOX NHC	10.39 6.67	0010556 0006782
015	ON-HIGHWAY LDH	000214576	THOUS VMT	NOX NHC	10.39 6.68	0001115 0000717
016	ON-HIGHWAY LDT	000121508	THOUS VMT	NOX NHC	10.39 6.68	0000631 0000406

TABLE B-1 (continued)

COUNTY:0660

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT ID.	EMISSION FACTOR	EMISSIONS ESTIMATE
017	ON-HIGHWAY HDG	900108581	THOUS VMT	NOX NHC	10.39 6.68	0000564 0003363
018	ON-HIGHWAY HDG	000085314	THOUS VMT	NOX NHC	10.39 6.68	0000443 0000285
019	ON-HIGHWAY HC	000023267	THOUS VMT	NOX NHC	6.68 6.68	0000078 0000073
020	RESIDENTIAL ANTHRACITE	000004320	Ton	NOX THC	3.00 2.50	0000007 0000006
021	RESIDENTIAL BITUMINOUS	000030030	Ton	NOX THC	3.00 20.00	0000000 0000000
022	RESIDENTIAL RESIDUAL OIL	000001956	THOUS GAL	NOX THC	60.00 1.00	0000059 0000001
023	RESIDENTIAL DISTILLATE	000050130	THOUS GAL	NOX THC	18.00 1.00	0000451 0000025
024	RESIDENTIAL NATURAL GAS	000005700	MIL CU FT	NOX THC	80.00 8.00	0000228 0000323
025	RESIDENTIAL LPG	000000000	THOUS GAL	NOX THC	7.50 0.75	0000000 0000000
026	RESIDENTIAL WOOD	000000000	Ton	NOX THC	5.00 20.00	0000002 0000006
027	COMM/INST ANTHRACITE	000000000	Ton	NOX THC	15.00 0.00	0000000 0000000
028	COMM/INST BITUMINOUS	000000000	Ton	NOX THC	6.00 3.00	0000000 0000000
029	COMM/INST RESIDUAL OIL	000014400	THOUS GAL	NOX THC	60.00 1.00	0000432 0000007

TABLE B-1 (continued)

COUNTY:0560

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000012480	THOUS GAL	NOX THC	22.00 1.00	0000137 0000006
031	COMM/INST NATURAL GAS	000001950	MIL CU FT	NOX THC	120.00 8.00	0000118 0000008
032	COMM/INST LPG	000000000	THOUS GAL	NOX THC	11.00 0.75	0000000 0000009
033	COMM/INST WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
034	INDUSTRIAL ANTHRACITE	000000000	TON	NOX THC	18.00 0.00	0000000 0000000
035	INDUSTRIAL BITUMINOUS	000000000	TON	NOX THC	15.00 1.00	0000000 0000000
036	INDUSTRIAL RESIDUAL OIL	000004110	THOUS GAL	NOX THC	60.00 1.00	0000123 0000002
037	INDUSTRIAL DISTILLATE OIL	000004190	THOUS GAL	NOX THC	22.00 1.00	0000046 0000002
038	INDUSTRIAL NATURAL GAS	000000700	MIL CU FT	NOX THC	175.00 3.00	0000061 0000001
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 3.00	0000000 0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
041	MILITARY AIRCRAFT	000035521	LND/TAKE OFF	NOX THC	3.79 22.02	0000067 0000391
042	CIVIL AIRCRAFT	000083660	LND/TAKE OFF	NOX THC	0.18 0.53	0000008 0000022

TABLE B-1 (continued)

COUNTY:0560

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
143	COMMERCIAL AIRCRAFT	00000000	LND/TAKE OFF	NOX THC	41.31 55.98	000000 000000
144	RAILROAD LOCOMOTIVES	000002010	THOUS GAL	NOX THC	370.00 94.00	0000372 0000094
145	VESSELS - GASOLINE	000000713	THOUS GAL	NOX THC	5.61 555.39	0000002 0000198
146	VESSELS - DISTILLATE OIL	000000850	THOUS GAL	NOX THC	65.11 30.23	0000028 0000013
147	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
148	OFF-HIGHWAY VEHICLES-GAS	000001798	THOUS GAL	NOX THC	121.24 136.81	0000109 0000123
149	OFF-HIGHWAY VEH - DIESEL	000000210	THOUS GAL	NOX THC	465.05 37.03	0001444 0000115
150	ON-SITE INCINERATION	000032100	TON	NOX THC	3.00 0.27	0000048 0000004
151	OPEN BURNING	000000001	THOUS GAL	NOX THC	19.20 467.20	0000000 0000000
152	STRUCTURAL FIRES	000004000	TON	NOX THC	6.00 30.06	0000102 0000511
153	FIELD/SLASH BURNING	000010300	TON	NOX THC	4.00 24.00	0000025 0000148
154	FOREST FIRES	000002247	TON	NOX THC	4.00 24.00	0000012 0000075
999	COUNTY TOTALS			THC NOC		0009394 0011192 0017268

TABLE B-1 (continued)

COUNTY:0740

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000221800	THOUS GAL	THC	0.30	0000033
002	STAGE II GASOLINE EVAP	000221800	THOUS GAL	THC	9.70	0001076
003	STORAGE TANK BREATHING	000221800	THOUS GAL	THC	1.00	0000111
004	GASOLINE LOADING/TRANSIT	000229870	THOUS GAL	THC	6.87	0000790
005	SM IND/COMM DEGREASING	000471650	POPULATION	NHC	3.00	0000707
006	DRY CLEANING	000471650	POPULATION	NHC	1.27	0000300
007	ARCH SURFACE COATING	000471650	POPULATION	NHC	4.60	0001085
008	AUTO BODY REFINISHING	000471650	POPULATION	NHC	1.90	0000448
009	SM IND SURFACE COATING	000008570	TON	THC	1,175.00	0005035
010	GRAPHIC ARTS	000471650	POPULATION	NHC	0.80	0000189
011	COMP/CONS SOLVENT USE	000471650	POPULATION	THC	6.30	0001486
012	CUTBACK ASPHALT	000002170	TON	THC	675.46	0000733
013	PESTICIDES	000000122	TON	NHC	1,800.00	0000110
014	ON-HIGHWAY LDV	002053258	THOUS VMT	NOX NHC	9.88 7.20	0010149 0007396
015	ON-HIGHWAY LDT1	000216820	THOUS VMT	NOX NHC	9.89 7.20	0001072 0000781
016	ON-HIGHWAY LDT2	000122778	THOUS VMT	NOX NHC	9.89 7.20	0000607 0000442

TABLE B-1 (continued)

COUNTY:0740

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
017	ON-HIGHWAY HDG	000109716	THOUS VMT	NOX NHC	9.89 7.20	0000543 0000395
018	ON-HIGHWAY HDG	000086206	THOUS VMT	NOX NHC	9.89 7.20	0000426 0000310
019	ON-HIGHWAY MC	000023511	THOUS VMT	NOX NHC	9.89 7.20	0000116 0000085
020	RESIDENTIAL ANTHRACITE	000007550	TON	NOX THC	3.00 2.50	0000011 0000009
021	RESIDENTIAL BITUMINOUS	000000000	TON	NOX THC	3.00 2.00	0000000 0000000
022	RESIDENTIAL RESIDUAL OIL	000003470	THOUS GAL	NOX THC	60.00 1.00	0000104 0000002
023	RESIDENTIAL DISTILLATE	000088650	THOUS GAL	NOX THC	18.00 1.00	0000798 0000044
024	RESIDENTIAL NATURAL GAS	000005450	MIL CU FT	NOX THC	80.00 8.00	0000378 0000038
025	RESIDENTIAL LPG	000000000	THOUS GAL	NOX THC	7.50 0.75	0000000 0000000
026	RESIDENTIAL WOOD	000000200	TON	NOX THC	5.00 20.00	0000001 0000002
027	COMM/INST ANTHRACITE	000000000	TON	NOX THC	10.00 0.00	0000000 0000000
028	COMM/INST BITUMINOUS	000000000	TON	NOX THC	6.00 3.00	0000000 0000000
029	COMM/INST RESIDUAL OIL	000024010	THOUS GAL	NOX THC	60.00 1.00	0000720 0000012

TABLE B-1 (continued)

COUNTY:0740

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000020820	THOUS GAL	NOX THC	22.00 1.00	0000229 0000010
031	COMM/INST NATURAL GAS	000003280	MIL CU FT	NOX THC	120.00 8.00	0000197 0000013
032	COMM/INST LPG	000000000	THOUS GAL	NOX THC	11.00 0.75	0000000 0000000
033	COMM/INST WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
034	INDUSTRIAL ANTHRACITE	000000000	TON	NOX THC	18.00 0.00	0000000 0000000
035	INDUSTRIAL BITUMINOUS	000000000	TON	NOX THC	15.00 1.00	0000000 0000000
036	INDUSTRIAL RESIDUAL OIL	000004890	THOUS GAL	NOX THC	60.00 1.00	0000207 0000003
037	INDUSTRIAL DISTILLATE OIL	000007010	THOUS GAL	NOX THC	22.00 1.00	0000077 0000004
038	INDUSTRIAL NATURAL GAS	000001180	MIL CU FT	NOX THC	175.00 3.00	0000103 0000002
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.05 3.00	0000000 0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
041	MILITARY AIRCRAFT	000000000	LND/TAKE OFF	NOX THC	3.79 22.02	0000000 0000000
042	CIVIL AIRCRAFT	000004438	LND/TAKE OFF	NOX THC	0.18 0.53	0000008 0000022

TABLE B-1 (continued)

COUNTY:0740

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS LUG/TAKE OFF	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
043	COMMERCIAL AIRCRAFT	00000000	LUG/TAKE OFF	NOX THC	41.31 55.98	0000000 0000000
044	RAILROAD LOCOMOTIVES	000002610	THOUS GAL	NOX THC	370.00 94.00	0000483 0000123
045	VESSELS - GASOLINE	000000122	THOUS GAL	NOX THC	0.00 426.22	0000000 0000026
046	VESSELS - DISTILLATE OIL	000001090	THOUS GAL	NOX THC	44.03 22.01	0000024 0000012
047	VESSELS - RESIDUAL OIL	000000800	THOUS GAL	NOX THC	10.00 2.50	0000004 0000001
048	OFF-HIGHWAY VEHICLES-GAS	000001703	THOUS GAL	NOX THC	100.99 128.00	0000086 0000109
049	OFF-HIGHWAY VEH - DIESEL	000007990	THOUS GAL	NOX THC	484.35 34.04	0001935 0000136
050	ON-SITE INCINERATION	000045500	TON	NOX THC	3.00 0.27	0000068 0000006
051	OPEN BURNING	000000003	THOUS GAL	NOX THC	19.20 467.20	0000000 0000001
052	STRUCTURAL FIRES	00003000	TON	NOX THC	6.35 30.27	0000112 0000560
053	FIELD/SLASH BURNING	000001300	TON	NOX THC	4.00 24.00	0000003 0000016
054	FOREST FIRES	000000757	TON	NOX THC	4.00 24.00	0000006 0000033
999	COUNTY TOTALS			THC NHC NOX		0010448 0012248 0018467

TABLE B-1 (continued)

COUNTY:0780

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000035100	THOUS GAL	THC	7.30	0000128
002	STAGE II GASOLINE EVAP	000035100	THOUS GAL	THC	9.70	0000170
003	STORAGE TANK BREATHING	000035100	THOUS GAL	THC	1.00	0000018
004	GASOLINE LOADING/TRANSIT	000036377	THOUS GAL	THC	6.87	0000125
005	SM IND/COMM DEGREASING	000082266	POPULATION	NHC	3.00	0000123
006	DRY CLEANING	000082266	POPULATION	NHC	1.19	0000049
007	ARCH SURFACE COATING	000082266	POPULATION	NHC	4.60	0000189
008	AUTO BODY REFINISHING	000082266	POPULATION	NHC	1.90	0000078
009	SM IND SURFACE COATING	000001427	TON	THC	1.175.00	0000838
010	GRAPHIC ARTS	000082266	POPULATION	NHC	0.80	0000033
011	COMM/CONS SOLVENT USE	000082266	POPULATION	THC	6.30	0000259
012	CUTBACK ASPHALT	000001158	TON	THC	675.46	0000391
013	PESTICIDES	000000024	TON	NHC	1.800.00	0000022
014	ON-HIGHWAY LDV	000393326	THOUS VMT	NOX NHC	12.32 7.58	0002423 0001491
015	ON-HIGHWAY LDT1	000041534	THOUS VMT	NOX NHC	12.32 7.58	0000255 0000157
016	ON-HIGHWAY LDT2	000023520	THOUS VMT	NOX NHC	12.32 7.58	0000145 0000089

TABLE B-1 (continued)

COUNTY:0780

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.U.	EMISSION FACTOR	EMISSIONS ESTIMATE
017	ON-HIGHWAY HDG	000021017	THOUS VMT	NOX NHC	12.32 7.58	0000129 0000080
018	ON-HIGHWAY HDD	000016514	THOUS VMT	NOX VHC	12.32 7.58	0000102 0000063
019	ON-HIGHWAY MC	000004504	THOUS VMT	NOX NHC	12.32 7.58	0000028 0000017
020	RESIDENTIAL ANTHRACITE	000000250	TON	NOX THC	3.00 2.50	0000000 0000000
021	RESIDENTIAL BITUMINOUS	000000070	TON	NOX THC	3.00 20.00	0000000 0000000
022	RESIDENTIAL RESIDUAL OIL	000000560	THOUS GAL	NOX THC	60.00 1.00	0000317 0000000
023	RESIDENTIAL DISTILLATE	000014247	THOUS GAL	NOX THC	18.00 1.00	0000128 0000007
024	RESIDENTIAL NATURAL GAS	000001560	MIL CU FT	NOX THC	80.00 8.00	0000062 0000006
025	RESIDENTIAL LPS	000000000	THOUS GAL	NOX THC	7.50 0.75	0000000 0000000
026	RESIDENTIAL WOOD	000000000	TON	NOX THC	5.00 20.00	0000001 0000005
027	COMM/INST ANTHRACITE	000000000	TON	NOX THC	10.00 0.00	0000000 0000000
028	COMM/INST BITUMINOUS	000000000	TON	NOX THC	6.00 3.00	0000000 0000000
029	COMM/INST RESIDUAL OIL	000000870	THOUS GAL	NOX THC	60.00 1.00	0000086 0000001

TABLE 3-1 (continued)

COUNTY:0780

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000002480	THOUS GAL	NOX THC	22.00 1.00	0000027 0000001
031	COMM/INST NATURAL GAS	0000000390	MIL CU FT	NOX THC	120.00 8.00	0000023 0000002
032	COMM/INST LPG	0000000000	THOUS GAL	NOX THC	11.00 0.75	0000000 0000000
033	COMM/INST WOOD/OTHER	0000000000	TON	NOX THC	10.00 36.00	0000000 0000000
034	INDUSTRIAL ANTHRACITE	0000000000	TON	NOX THC	18.00 0.00	0000000 0000000
035	INDUSTRIAL BITUMINOUS	0000000000	TON	NOX THC	15.00 1.00	0000000 0000000
036	INDUSTRIAL RESIDUAL OIL	0000000250	THOUS GAL	NOX THC	60.00 1.00	0000008 0000000
037	INDUSTRIAL DISTILLATE OIL	0000000250	THOUS GAL	NOX THC	22.00 1.00	0000003 0000000
038	INDUSTRIAL NATURAL GAS	0000000040	MIL CU FT	NOX THC	175.00 3.00	0000004 0000000
039	INDUSTRIAL LPG	0000000000	THOUS GAL	NOX THC	11.00 3.00	0000000 0000000
040	INDUSTRIAL WOOD/OTHER	0000000000	TON	NOX THC	10.00 36.00	0000000 0000000
041	MILITARY AIRCRAFT	0000000000	LMD/TAKE OFF	NOX THC	3.79 22.02	0000000 0000000
042	CIVIL AIRCRAFT	0000000465	LMD/TAKE OFF	NOX THC	0.18 0.53	0000004 0000011

TABLE B-1 (continued)

COUNTY:0780

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
043	COMMERCIAL AIRCRAFT	00000000	LND/TANE OFF	NOX THC	41.31 55.98	0000000 0000000
044	RAILROAD LOCOMOTIVES	000001750	THOUS GAL	NOX THC	370.00 94.00	0000324 0000082
045	VESSELS - GASOLINE	000002363	THOUS GAL	NOX THC	4.23 541.68	0000005 0000640
046	VESSELS - DISTILLATE OIL	000006000	THOUS GAL	NOX THC	44.00 29.00	0000132 0000087
047	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
048	OFF-HIGHWAY VEHICLES-GAS	000000225	THOUS GAL	NOX THC	115.55 133.33	0000013 0000015
049	OFF-HIGHWAY VEH - DIESEL	000001140	THOUS GAL	NOX THC	470.17 35.08	0000268 0000020
050	ON-SITE INCINERATION	000006800	TON	NOX THC	3.00 0.27	0000010 0000001
051	OPEN BURNING	000000001	THOUS GAL	NOX THC	19.20 467.20	0000000 0000000
052	STRUCTURAL FIRES	000000000	TON	NOX THC	6.22 30.67	0000026 0000138
053	FIELD/SLASH BURNING	000000100	TON	NOX THC	4.00 24.00	0000000 0000001
054	FOREST FIRES	000003658	TON	NOX THC	4.00 24.00	0000007 0000044
999	COUNTY TOTALS			THC NOX NOX		0002990 0002391 0004233

TABLE B-1 (continued)

COUNTY:1050

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000061500	THOUS GAL	THC	7.30	0000224
002	STAGE II GASOLINE EVAP	000061500	THOUS GAL	THC	9.70	0000298
003	STORAGE TANK BREATHING	000061500	THOUS GAL	THC	1.00	0000031
004	GASOLINE LOADING/TRANSIT	000063738	THOUS GAL	THC	6.87	0000219
005	SM IND/COMM DEGREASING	000132866	POPULATION	NHC	3.00	0000199
006	DRY CLEANING	000132866	POPULATION	NHC	1.18	0000079
007	ARCH SURFACE COATING	000132866	POPULATION	NHC	4.60	0000306
008	AUTO BODY REFINISHING	000132866	POPULATION	NHC	1.90	0000126
009	SM IND SURFACE COATING	00002858	TON	THC	1,175.00	0001679
010	GRAPHIC ARTS	000132866	POPULATION	NHC	0.80	0000053
011	COMM/CONS SOLVENT USE	000132866	POPULATION	THC	6.30	0000419
012	CUTBACK ASPHALT	000001450	TON	THC	675.46	0000493
013	PESTICIDES	000000364	TON	NHC	1,800.00	0000328
014	ON-HIGHWAY LDV	000633453	THOUS VMT	NOX NHC	10.03 6.99	0003177 0002214
015	ON-HIGHWAY LDT1	000066891	THOUS VMT	NOX NHC	10.03 6.99	0000335 0000234
016	ON-HIGHWAY LDT2	000037878	THOUS VMT	NOX NHC	10.03 6.99	0000190 0000132

TABLE B-1 (continued)

COUNTY:1053

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
117	ON-HIGHWAY HDG	000033849	THOUS VMT	NOX NHC	10.03 6.99	0000170 0000118
118	ON-HIGHWAY HDU	000026595	THOUS VMT	NOX NHC	10.03 6.99	0000133 0000093
119	ON-HIGHWAY MC	000007253	THOUS VMT	NOX NHC	10.03 6.99	0000036 0000025
120	RESIDENTIAL ANTHRACITE	000002110	TGN	NOX THC	3.00 2.50	0000003 0000003
121	RESIDENTIAL BITUMINOUS	000000000	TGN	NOX THC	3.00 20.00	0000000 0000000
122	RESIDENTIAL RESIDUAL OIL	000001330	THOUS GAL	NOX THC	60.00 1.00	0000040 0000001
123	RESIDENTIAL DISTILLATE	000033850	THOUS GAL	NOX THC	18.00 1.00	0000305 0000017
124	RESIDENTIAL NATURAL GAS	000000830	MIL CU FT	NOX THC	80.00 8.00	0000033 0000003
125	RESIDENTIAL LPG	000000000	THOUS GAL	NOX THC	7.50 0.75	0000000 0000000
126	RESIDENTIAL WOOD	000000400	TGN	NOX THC	5.00 20.00	0000001 0000004
127	COMM/INST ANTHRACITE	000000000	TGN	NOX THC	10.00 0.00	0000000 0000000
128	COMM/INST BITUMINOUS	000000000	TGN	NOX THC	6.00 3.00	0000000 0000000
129	COMM/INST RESIDUAL OIL	000000240	THOUS GAL	NOX THC	60.00 1.00	0000187 0000003

TABLE B-1 (continued)

COUNTY:1050

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCLSS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000005410	THOUS GAL	NOX THC	22.00 1.00	0000060 0000003
031	COMM/INST NATURAL GAS	000000850	MIL CU FT	NOX THC	120.00 8.00	0000051 0000003
032	COMM/INST LPG	000000000	THOUS GAL	NOX THC	11.00 0.75	0000000 0000000
033	COMM/INST WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
034	INDUSTRIAL ANTHRACITE	000000000	TON	NOX THC	18.00 9.00	0000000 0000000
035	INDUSTRIAL BITUMINOUS	000000000	TON	NOX THC	15.00 1.00	0000000 0000000
036	INDUSTRIAL RESIDUAL OIL	000004400	THOUS GAL	NOX THC	60.00 1.00	0000132 0000002
037	INDUSTRIAL DISTILLATE OIL	000004480	THOUS GAL	NOX THC	22.00 1.00	0000049 0000002
038	INDUSTRIAL NATURAL GAS	000000750	MIL CU FT	NOX THC	175.00 3.00	0000066 0000001
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 3.00	0000000 0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
041	MILITARY AIRCRAFT	000000000	LND/TAKE OFF	NOX THC	3.79 22.02	0000000 0000003
042	CIVIL AIRCRAFT	000054089	LND/TAKE OFF	NOX THC	0.18 0.53	0000005 0000014

TABLE B-1 (continued)

COUNTY:1050																
CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE										
143	COMMERCIAL AIRCRAFT	00000000	LWD/TAKE OFF	NOX THC	41.31 55.98	000000 000000										
144	RAILROAD LOCOMOTIVES	000001650	THOUS GAL	NOX THC	370.00 94.00	0000305 0000078										
145	VESSELS - GASOLINE	000000510	THOUS GAL	NOX THC	3.27 324.59	0000001 0000099										
146	VESSELS - DISTILLATE OIL	000011150	THOUS GAL	NOX THC	25.29 17.04	0000141 0000095										
147	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000										
148	OFF-HIGHWAY VEHICLES-GAS	000001550	THOUS GAL	NOX THC	132.05 142.30	0000103 0000111										
149	OFF-HIGHWAY VEH - DIESEL	000003490	THOUS GAL	NOX THC	445.84 40.68	0000778 0000071										
150	ON-SITE INCINERATION	000014000	TON	NOX THC	3.00 0.27	0000021 0000002										
151	OPEN BURNING	000000002	THOUS GAL	NOX THC	19.20 467.20	0000000 0000000										
152	STRUCTURAL FIRES	000016000	TON	NOX THC	6.00 29.88	0000048 0000239										
153	FIELD/SLASH BURNING	000001700	TON	NOX THC	4.00 24.00	0000003 0000020										
154	FOREST FIRES	000006795	TON	NOX THC	4.00 24.00	0000014 0000082										
999	COUNTY TOTALS			THC NHC NOX		0004216 0003907 0006387										

TABLE B-1 (continued)

COUNTY:1380

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000361200	THOUS GAL	THC	0.30	0000054
002	STAGE II GASOLINE EVAP	000361200	THOUS GAL	THC	9.70	0001752
003	STORAGE TANK BREATHING	000361200	THOUS GAL	THC	1.00	0000181
004	GASOLINE LOADING/TRANSIT	000374342	THOUS GAL	THC	6.87	0001286
005	SM IND/COMM DEGREASING	000850451	POPULATION	NHC	3.00	0001276
006	DRY CLEANING	000850451	POPULATION	NHC	1.18	0000502
007	ARCH SURFACE COATING	000850451	POPULATION	NHC	4.60	0001956
008	AUTC BODY REFINISHING	000850451	POPULATION	NHC	1.90	0000808
009	SM IND SURFACE COATING	000017140	TGN	THC	1,175.00	0010070
010	GRAPHIC ARTS	000850451	POPULATION	NHC	0.80	0000340
011	COMM/CONS SOLVENT USE	000850451	POPULATION	THC	6.30	0002679
012	CUTBACK ASPHALT	000001857	TGN	THC	675.46	0000627
013	PESTICIDES	000000024	TGN	NHC	1,800.00	0000022
014	ON-HIGHWAY LDV	003204330	THOUS VMT	NOX NHC	9.52 8.48	0015634 0013937
015	ON-HIGHWAY LD11	000345787	THOUS VMT	NOX NHC	9.52 8.49	0001651 0001472
016	ON-HIGHWAY LD2	000174373	THOUS VMT	NOX NHC	9.52 8.49	0000935 0000834

TABLE B-1 (continued)

COUNTY:1380

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
117	ON-HIGHWAY HDG	000175433	THOUS VMT	NOX NHC	9.52 8.49	0000835 0000745
118	ON-HIGHWAY HDD	000137879	THOUS VMT	NOX NHC	9.52 8.49	0000656 0000585
119	ON-HIGHWAY MC	000037603	THOUS VMT	NOX NHC	9.52 8.49	0000179 0000160
120	RESIDENTIAL ANTHRACITE	000016950	TON	NOX THC	3.00 2.50	0000025 0000021
121	RESIDENTIAL BITUMINOUS	000000000	TON	NOX THC	3.00 20.00	0000000 0000000
122	RESIDENTIAL RESIDUAL OIL	000007510	THOUS GAL	NOX THC	60.00 1.00	0000228 0000004
123	RESIDENTIAL DISTILLATE	000194380	THOUS GAL	NOX THC	18.00 1.00	0001749 0000097
124	RESIDENTIAL NATURAL GAS	000010100	MIL CU FT	NOX THC	80.00 8.00	0000604 0000360
125	RESIDENTIAL LPG	000000000	THOUS GAL	NOX THC	7.50 0.75	0000000 0000000
126	RESIDENTIAL WOOD	000000000	TON	NOX THC	5.00 20.00	0000000 0000000
127	COMM/INST ANTHRACITE	000000000	TON	NOX THC	10.00 0.00	0000000 0000000
128	COMM/INST BITUMINOUS	000000000	TON	NOX THC	6.00 3.00	0000000 0000000
129	COMM/INST RESIDUAL OIL	000052330	THOUS GAL	NOX THC	60.00 1.00	0001720 0000029

TABLE B-1 (continued)

COUNTY:1380

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RAT	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000049700	THOUS GAL	NOX THC	22.00 1.00	0000547 0000025
031	COMM/INST NATURAL GAS	000007810	MIL CU FT	NOX THC	120.00 8.00	0000469 0000031
032	COMM/INST LPG	000000000	THOUS GAL	NOX THC	11.00 0.75	0000000 0000000
033	COMM/INST WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
034	INDUSTRIAL ANTHRACITE	000000000	TON	NOX THC	18.00 0.00	0000000 0000000
035	INDUSTRIAL BITUMINOUS	000000000	TON	NOX THC	15.00 1.00	0000000 0000000
036	INDUSTRIAL RESIDUAL OIL	000019960	THOUS GAL	NOX THC	60.00 1.00	0000599 0000010
037	INDUSTRIAL DISTILLATE OIL	000020330	THOUS GAL	NOX THC	22.00 1.00	0000224 0000010
038	INDUSTRIAL NATURAL GAS	000003430	MIL CU FT	NOX THC	175.00 3.00	0000300 0000005
039	INDUSTRIAL LP6	000000000	THOUS GAL	NOX THC	11.65 3.00	0000000 0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
041	MILITARY AIRCRAFT	000000179	LND/TAKE OFF	NOX THC	3.79 22.02	0000000 0000002
042	CIVIL AIRCRAFT	000010155	LND/TAKE OFF	NOX THC	9.22 0.44	0000002 0000004

TABLE B-1 (continued)

COUNTY:1380

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
043	COMMERCIAL AIRCRAFT	000001271	LBD/YANE JFF	NOX THC	41.31 55.98	0001885 0002555
044	RAILROAD LOCOMOTIVES	000002160	THOUS GAL	NOX THC	370.00 94.00	0000400 0000102
045	VESSELS - GASOLINE	000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
046	VESSELS - DISTILLATE OIL	000002380	THOUS GAL	NOX THC	43.69 5.88	0000052 0000007
047	VESSELS - RESIDUAL OIL	000002250	THOUS GAL	NOX THC	10.66 9.00	0000012 0000000
048	OFF-HIGHWAY VEHICLES-GAS	000003252	THOUS GAL	NOX THC	95.64 120.78	0000155 0000197
049	OFF-HIGHWAY VEH - DIESEL	000014390	THOUS GAL	NOX THC	488.39 33.77	0003514 0000243
050	ON-SITE INCINERATION	000383900	TU	NOX THC	3.00 0.27	0000125 0000011
051	UPLN BURNING	000000932	THOUS GAL	NOX THC	19.20 467.20	0000000 0000007
052	STRUCTURAL FIRES	000143000	TU	NOX THC	6.00 29.99	0000429 0002144
053	FIELD/SLASH BURNING	000000200	TU	NOX THC	4.00 - 24.00	0000000 0000002
054	FOREST FIRES	000000000	TU	NOX THC	4.00 24.00	0000000 0000000
999	COUNTY TOTALS			THC NHC NOX		0022215 0022637 0032930

TABLE B-1 (continued)

COUNTY:1760

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000081000	THOUS GAL	THC	0.30	0000012
002	STAGE II GASOLINE EVAP	000081000	THOUS GAL	THC	9.70	0000393
003	STORAGE TANK BREATHING	000061000	THOUS GAL	THC	1.00	0000041
004	GASOLINE LOADING/TRANSIT	000083947	THOUS GAL	THC	6.87	0000288
005	SM IND/COMM DEGREASING	000199917	POPULATION	NHC	3.00	0000300
006	DRY CLEANING	000199917	POPULATION	NHC	1.24	0000124
007	ARCH SURFACE COATING	000199917	POPULATION	NHC	4.60	0000460
008	AUTO BODY REFINISHING	000199917	POPULATION	NHC	1.90	0000190
009	SM IND SURFACE COATING	000034285	TON	THC	1.175.00	0002517
010	GRAPHIC ARTS	000199917	POPULATION	NHC	0.80	0000080
011	COMM/CONS SOLVENT USE	000199917	POPULATION	THC	6.30	0000630
012	CUTBACK ASPHALT	000001626	TON	THC	675.46	0000549
013	PESTICIDES	000000782	TON	NHC	1.800.00	0000704
014	ON-HIGHWAY LDV	001077072	THOUS VMT	NOX NHC	10.82 6.34	0005829 0003419
015	ON-HIGHWAY LOT1	000113737	THOUS VMT	NOX NHC	10.82 6.35	0000615 0000361
016	ON-HIGHWAY LOT2	000064465	THOUS VMT	NOX NHC	10.82 6.35	0000348 0000204

TABLE B-1 (continued)

COUNTY:1760

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
17	ON-HIGHWAY HDG	000057553	THOUS VMT	NOX NHC	10.82 6.35	0000311 0000183
18	ON-HIGHWAY HDD	000045221	THOUS VMT	NOX NHC	10.82 6.35	0000245 0000144
19	ON-HIGHWAY MC	000012333	THOUS VMT	NOX NHC	10.82 6.35	0000067 0000039
20	RESIDENTIAL ANTHRACITE	000002230	TON	NOX THC	3.00 2.50	0000003 0000003
21	RESIDENTIAL BITUMINOUS	000006000	TON	NOX THC	3.00 20.00	0000000 0000000
22	RESIDENTIAL RESIDUAL OIL	000001550	THOUS GAL	NOX THC	60.00 1.00	0000047 0000001
23	RESIDENTIAL DISTILLATE	000009860	THOUS GAL	NOX THC	18.00 1.00	0000359 0000020
24	RESIDENTIAL NATURAL GAS	000001930	MIL CU FT	NOX THC	80.00 8.00	0000117 0000012
25	RESIDENTIAL LPG	000000000	THOUS GAL	NOX THC	7.50 0.75	0000000 0000000
26	RESIDENTIAL WOOD	000000400	TON	NOX THC	5.00 20.00	0000001 0000004
27	COMM/INST ANTHRACITE	000000000	TON	NOX THC	10.00 0.00	0000000 0000000
28	COMM/INST BITUMINOUS	000000000	TON	NOX THC	6.00 3.00	0000000 0000000
29	COMM/INST RESIDUAL OIL	0000005870	THOUS GAL	NOX THC	60.00 1.00	0000175 0000003

TABLE B-1 (continued)

COUNTY:1760

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATL	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
30	COMM/INST DISTILLATE OIL	000005090	THOUS GAL	NOX THC	22.00 1.00	0000056 0000003
31	COMM/INST NATURAL GAS	000000800	MIL CU FT	NOX THC	120.00 8.00	0000048 0000003
32	COMM/INST LPG	000000000	THOUS GAL	NOX THC	11.00 0.75	0000000 0000000
33	COMM/INST WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
34	INDUSTRIAL ANTHRACITE	000000000	TON	NOX THC	18.00 9.00	0000000 0000000
35	INDUSTRIAL BITUMINOUS	000000000	TON	NOX THC	15.00 1.00	0000000 0000000
36	INDUSTRIAL RESIDUAL OIL	000002900	THOUS GAL	NOX THC	60.00 1.00	0000087 0000001
37	INDUSTRIAL DISTILLATE OIL	000002950	THOUS GAL	NOX THC	22.00 1.00	0000032 0000001
38	INDUSTRIAL NATURAL GAS	000000500	MIL CU FT	NOX THC	175.00 3.00	0000044 0000001
39	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 3.00	0000000 0000000
40	INDUSTRIAL 4000/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
41	MILITARY AIRCRAFT	000000000	LMD/TAKE OFF	NOX THC	3.79 22.02	0000000 0000000
42	CIVIL AIRCRAFT	000000000	LMD/TAKE OFF	NOX THC	0.18 0.53	0000006 0000018

TABLE B-1 (continued)

CATEGORY		CATEGORY		PROCESS		POLLUTANT		EMISSIONS	
NUMBER	DESCRIPTION	RAI:	UNITS	NOX	THC	NOX	THC	NOX	THC
43	COMMERCIAL AIRCRAFT	00000000	LNJ/TAKE OFF	NOX	THC	NOX	THC	NOX	THC
44	RAILROAD LOCOMOTIVES	000001250	THOUS GAL	NOX	THC	NOX	THC	NOX	THC
45	VESSELS - GASOLINE	000000153	THOUS GAL	NOX	THC	NOX	THC	NOX	THC
46	VESSELS - DISTILLATE OIL	000007340	THOUS GAL	NOX	THC	NOX	THC	NOX	THC
47	VESSELS - RESIDUAL OIL	00000151	THOUS GAL	NOX	THC	NOX	THC	NOX	THC
48	OFF-HIGHWAY VEHICLES-GAS	000001596	THOUS GAL	NOX	THC	NOX	THC	NOX	THC
49	OFF-HIGHWAY VEH - DIESEL	000004170	THOUS GAL	NOX	THC	NOX	THC	NOX	THC
50	ON-SITE INCINERATION	000018600	TON	NOX	THC	NOX	THC	NOX	THC
51	OPEN BURNINGS	000000000	THOUS GAL	NOX	THC	NOX	THC	NOX	THC
52	STRUCTURAL FIRES	000007000	TON	NOX	THC	NOX	THC	NOX	THC
53	FIELD/FLASH BURNING	000000300	TON	NOX	THC	NOX	THC	NOX	THC
54	FOREST FIRES	000003135	TON	NOX	THC	NOX	THC	NOX	THC
999	COUNTY TOTALS			NOX	THC	NOX	THC	NOX	THC

TABLE B-1 (continued)

COUNTY:2240

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCLSS RATE	UNITS	POLLUTANT I-D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000197400	THOUS GAL	THC	0.30	0000030
002	STAGE II GASOLINE EVAP	000197400	THOUS GAL	THC	9.70	0000957
003	STORAGE TANK BREATHING	000197400	THOUS GAL	THC	1.00	0000099
004	GASOLINE LOADING/TRANSIT	000204582	THOUS GAL	THC	6.67	0000703
005	SM IND/COMM DEGREASING	000556972	POPULATION	NHC	3.00	0000835
006	DRY CLEANING	000556972	POPULATION	NHC	1.19	0000333
007	ARCH SURFACE COATING	000556972	POPULATION	NHC	4.60	0001281
008	AUTO BODY REFINISHING	000556972	POPULATION	NHC	1.90	0000529
009	SM IND SURFACE COATING	000011426	TON	THC	1,175.00	0006714
010	GRAPHIC ARTS	000556972	POPULATION	NHC	0.80	0000223
011	COMM/CONS SOLVENT USE	000556972	POPULATION	THC	6.30	0001754
012	CUTBACK ASPHALT	000000699	TON	THC	675.46	0000236
013	PESTICIDES	000000004	TON	NHC	1,800.00	0000004
014	ON-HIGHWAY LDV	001523960	THOUS VMT	NOX NHC	9.75 8.54	0007432 0006511
015	ON-HIGHWAY LDT1	000160927	THOUS VMT	NOX NHC	9.75 8.54	0000785 0000687
016	ON-HIGHWAY LDT2	000051127	THOUS VMT	NOX NHC	9.75 8.54	0000444 0000389

TABLE B-1 (continued)

COUNTY:2240

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.O.	EMISSION FACTOR	EMISSIONS ESTIMATE
217	ON-HIGHWAY HDG	000001433	THOUS VMT	NOX NHC	9.75 8.54	0000397 0000348
218	ON-HIGHWAY HDG	000003983	THOUS VMT	NOX NHC	9.75 8.54	0000312 0000273
219	ON-HIGHWAY MC	000017450	THOUS VMT	NOX NHC	9.75 8.54	0000085 0000075
220	RESIDENTIAL ANTHRACITE	000007990	TON	NOX THC	3.00 2.50	0000012 0000010
221	RESIDENTIAL BITUMINOUS	000000000	TON	NOX THC	3.00 20.00	0000000 0000000
222	RESIDENTIAL RESIDUAL OIL	000004970	THOUS GAL	NOX THC	60.00 1.00	0000147 0000002
223	RESIDENTIAL DISTILLATE	000125010	THOUS GAL	NOX THC	18.00 1.00	0001125 0002063
224	RESIDENTIAL NATURAL GAS	000011750	MIL CU FT	NOX THC	80.00 8.00	0000470 0000047
225	RESIDENTIAL LPG	000000000	THOUS GAL	NOX THC	7.50 0.75	0000000 0000000
226	RESIDENTIAL WOOD	000001000	TON	NOX THC	5.00 20.00	0000003 0000010
227	COMM/INST ANTHRACITE	000000000	TON	NOX THC	10.00 0.00	0000000 0000000
228	COMM/INST BITUMINOUS	000000000	TON	NOX THC	6.00 3.00	0000000 0000000
229	COMM/INST RESIDUAL OIL	000021390	THOUS GAL	NOX THC	60.00 1.00	0000792 0000013

TABLE B-1 (continued)

CATEGORY		CATEGORY	PROCESS	POLLUTANT	EMISSION	EMISSIONS
NUMBER	DESCRIPTION	DESCRIPTION	RATE	I.D.	FACTOR	ESTIMATE
030	COMM/INST DISTILLATE OIL	000022370 THOUS GAL		NOX	22.00	0000252
				THC	1.00	0000011
031	COMM/INST NATURAL GAS	000003600 MIL CU FT		NOX	120.00	0000216
				THC	6.00	0000014
032	COMM/INST LPG	000000000 THOUS GAL		NOX	11.00	0000000
				THC	0.75	0000000
033	COMM/INST WOOD/OTHER	000000000 TON		NOX	10.00	0000000
				THC	36.00	0000000
034	INDUSTRIAL ANTHRACITE	000000000 TON		NOX	18.00	0000000
				THC	0.00	0000000
035	INDUSTRIAL BITUMINOUS	000000000 TON		NOX	15.00	0000000
				THC	1.00	0000000
036	INDUSTRIAL RESIDUAL OIL	000017880 THOUS GAL		NOX	60.00	0000536
				THC	1.00	0000009
037	INDUSTRIAL DISTILLATE OIL	000018200 THOUS GAL		NOX	22.00	0000200
				THC	1.00	0000009
038	INDUSTRIAL NATURAL GAS	000003070 MIL CU FT		NOX	175.00	0000269
				THC	3.00	0000005
039	INDUSTRIAL LPG	000000000 THOUS GAL		NOX	11.65	0000000
				THC	3.00	0000000
040	INDUSTRIAL WOOD/OTHER	000000000 TON		NOX	10.00	0000000
				THC	36.00	0000000
041	MILITARY AIRCRAFT	000000000 LND/TAKE OFF		NOX	3.79	0000000
				THC	22.02	0000000
042	CIVIL AIRCRAFT	000055743 LND/TAKE OFF		NOX	0.18	0000003
				THC	0.53	0000008

TABLE B-1 (continued)

CATEGORY		CATEGORY	PROCESS	UNITS	POLLUTANT	EMISSION	EMISSIONS
NUMBER	DESCRIPTION	RATE	UNITS	OFF	I.D.	FACTOR	ESTIMATE
43	COMMERCIAL AIRCRAFT	00000000	LND/TARE	OFF	NOX	41.31	000000
					THC	55.98	000000
44	RAILROAD LOCOMOTIVES	000001790	THOUS GAL		NOX	370.00	0000331
					THC	94.00	0000084
45	VESSELS - GASOLINE	000000102	THOUS GAL		NOX	0.00	0000000
					THC	98.03	0000005
46	VESSELS - DISTILLATE OIL	000022060	THOUS GAL		NOX	25.38	0000280
					THC	5.34	0000059
47	VESSELS - RESIDUAL OIL	000002140	THOUS GAL		NOX	5.60	0000006
					THC	0.00	0000000
48	OFF-HIGHWAY VEHICLES-GAS	000002594	THOUS GAL		NOX	95.60	0000124
					THC	125.67	0000163
49	OFF-HIGHWAY VEH - DIESEL	000010330	THOUS GAL		NOX	488.86	0002525
					THC	33.68	0000174
50	ON-SITE INCINERATION	000004600	TOL		NOX	3.00	0000088
					THC	0.27	0000008
51	OPEN BURNING	000000002	THOUS GAL		NOX	19.20	0000000
					THC	467.20	0000000
52	STRUCTURAL FIRES	000134000	TOL		NOX	5.99	0000401
					THC	29.90	0002003
53	FIELD/SLASH BURNING	000000000	TOL		NOX	4.00	0000000
					THC	24.00	0000000
54	FOREST FIRES	000000000	TOL		NOX	4.00	0000000
					THC	24.00	0000000
999	COUNTY TOTALS				THC		0013190
					THC		0011488
					NOX		0017235

TABLE B-1 (continued)

COUNTY:2260

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000041000	THOUS GAL	THC	7.30	0000150
002	STAGE II GASOLINE EVAP	000041000	THOUS GAL	THC	9.70	0000199
003	STORAGE TANK BREATHING	000041000	THOUS GAL	THC	1.00	0000021
004	GASOLINE LOADING/TRANSIT	000042492	THOUS GAL	THC	6.87	0000146
005	SM IND/COMM DEGREASING	000087361	POPULATION	NHC	3.00	0000131
006	DRY CLEANING	000087361	POPULATION	NHC	1.09	0000049
007	ARCH SURFACE COATING	000087361	POPULATION	NHC	4.60	0000201
008	AUTO BODY REFINISHING	000087361	POPULATION	NHC	1.90	0000083
009	SM IND SURFACE COATING	000001427	TON	THC	1,175.00	0000838
010	GRAPHIC ARTS	000087361	POPULATION	NHC	0.80	0000035
011	COMM/CONS SOLVENT USE	000087361	POPULATION	THC	6.20	0000275
012	CUTBACK ASPHALT	000001399	TON	THC	575.46	0000469
013	PESTICIDES	000000160	TON	NHC	1,800.00	0000144
014	ON-HIGHWAY LDV	000612223	THOUS VMT	NOX NHC	12.57 6.56	0003848 0002008
015	ON-HIGHWAY LDT1	000064550	THOUS VMT	NOX NHC	12.57 6.56	0000406 0000212
016	ON-HIGHWAY LDT2	000034609	THOUS VMT	NOX NHC	12.57 6.56	0000230 0000120

TABLE B-1 (continued)

COUNTY:2260

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
117	ON-HIGHWAY HDG	000032714	THOUS VMT	NOX NHC	12.57 6.56	0000206 0000107
118	ON-HIGHWAY HDG	000023704	THOUS VMT	NOX NHC	12.57 6.56	0000162 0000084
119	ON-HIGHWAY PC	000007010	THOUS VMT	NOX NHC	12.57 6.56	0000044 0000023
120	RESIDENTIAL ANTHRACITE	000001580	TON	NOX THC	3.00 2.50	0000002 0000002
121	RESIDENTIAL BITUMINOUS	000000000	TON	NOX THC	3.00 20.00	0000000 0000000
122	RESIDENTIAL RESIDUAL OIL	000000920	THOUS GAL	NOX THC	60.00 1.00	0000028 0000000
123	RESIDENTIAL DISTILLATE	000023730	THOUS GAL	NOX THC	16.00 1.00	0000214 0000012
124	RESIDENTIAL NATURAL GAS	000000310	MIL CU FT	NOX THC	80.00 8.00	0000012 0000001
125	RESIDENTIAL LPG	000000000	THOUS GAL	NOX THC	7.50 0.75	0000000 0000000
126	RESIDENTIAL WOOD	000000000	TON	NOX THC	5.00 20.00	0000002 0000008
127	COMM/INST ANTHRACITE	000000000	TON	NOX THC	10.00 0.00	0000000 0000000
128	COMM/INST BITUMINOUS	000000000	TON	NOX THC	6.00 3.00	0000000 0000000
129	COMM/INST RESIDUAL OIL	000000000	THOUS GAL	NOX THC	60.00 1.00	0000091 0000002

TABLE B-1 (continued)

COUNTY:2260

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000002620	THOUS GAL	NOX THC	22.00 1.00	0000029 0000001
031	COMM/INST NATURAL GAS	000000420	MIL CU FT	NOX THC	120.00 8.00	0000025 0000002
032	COMM/INST LPG	000000000	THOUS GAL	NOX THC	11.00 0.75	0000000 0000000
033	COMM/INST WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
034	INDUSTRIAL ANTHRACITE	000000000	TON	NOX THC	18.00 0.00	0000000 0000000
035	INDUSTRIAL BITUMINOUS	000000000	TON	NOX THC	15.00 1.00	0000000 0000000
036	INDUSTRIAL RESIDUAL OIL	000001020	THOUS GAL	NOX THC	60.00 1.00	0000031 0000001
037	INDUSTRIAL DISTILLATE OIL	000001030	THOUS GAL	NOX THC	22.00 1.00	0000011 0000001
038	INDUSTRIAL NATURAL GAS	000000180	MIL CU FT	NOX THC	175.00 3.00	0000016 0000000
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 3.00	0000000 0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
041	MILITARY AIRCRAFT	000000000	LHD/TAKE OFF	NOX THC	3.79 22.02	0000000 0000000
042	CIVIL AIRCRAFT	000000480	LHD/TAKE OFF	NOX THC	0.18 0.53	0000005 0000018

TABLE B-1 (continued)

COUNTY:2260

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
043	COMMERCIAL AIRCRAFT	000000000	LND/TAKE OFF	NOX THC	41.31 55.98	0000000 0000000
044	RAILROAD LOCOMOTIVES	000002340	THOUS GAL	NOX THC	370.00 94.00	0000433 0000110
045	VESSELS - GASOLINE	000001056	THOUS GAL	NOX THC	56.71 584.12	0000030 0000309
046	VESSELS - DISTILLATE OIL	000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
047	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
048	OFF-HIGHWAY VEHICLES-GAS	000001306	THOUS GAL	NOX THC	136.29 143.95	0000089 0000094
049	OFF-HIGHWAY VEH - DIESEL	000002180	THOUS GAL	NOX THC	438.53 47.70	0000478 0000052
050	ON-SITE INCINERATION	000007300	TON	NOX THC	3.00 0.27	0000011 0000001
051	OPEN BURNING	000000001	THOUS GAL	NOX THC	19.20 467.20	0000000 0000000
052	STRUCTURAL FIRES	000000000	TON	NOX THC	6.00 30.00	0000009 0000045
053	FIELD/SLASH BURNING	000000500	TON	NOX THC	4.00 24.00	0000001 0000006
054	FOREST FIRES	000000759	TON	NOX THC	4.00 24.00	0000002 0000009
999	COUNTY TOTALS			THC NOX		0002772 0003196 0006415

TABLE B-1 (continued)

COUNTY:2980

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000153600	THOUS GAL	THC	0.30	0000023
002	STAGE II GASOLINE EVAP	000153600	THOUS GAL	THC	9.70	0000745
003	STORAGE TANK BREATHING	000153600	THOUS GAL	THC	1.00	0000077
004	GASOLINE LOADING/TRANSIT	000159189	THOUS GAL	THC	6.87	0000547
005	SM IND/COMM DEGREASING	000307863	POPULATION	NHC	3.00	0000462
006	DRY CLEANING	000307863	POPULATION	NHC	1.28	0000198
007	ARCH SURFACE COATING	000307863	POPULATION	NHC	4.60	0000708
008	AUTO BODY REFINISHING	000307863	POPULATION	NHC	1.90	0000292
009	SM IND SURFACE COATING	000005712	TON	THC	1,175.00	0003356
010	GRAPHIC ARTS	000307863	POPULATION	NHC	0.60	0000123
011	COMM/CONS SOLVENT USE	000307863	POPULATION	THC	6.30	0000970
012	CUTBACK ASPHALT	000031483	TON	THC	675.46	0000501
013	PESTICIDES	000000187	TON	NHC	1,800.00	0000168
014	ON-HIGHWAY LDV	001342044	THOUS VMT	NOX NHC	10.08 7.18	0006764 0004818
015	ON-HIGHWAY LD11	000141717	THOUS VMT	NOX NHC	10.08 7.18	0000714 0000509
016	ON-HIGHWAY LD12	000060249	THOUS VMT	NOX NHC	10.08 7.18	0000404 0000269

TABLE B-1 (continued)

COUNTY:0980

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.U.	EMISSION FACTOR	EMISSIONS ESTIMATE
117	ON-HIGHWAY HDG	000071712	THOUS VMT	NOX NHC	10.08 7.18	9000361 3000257
118	ON-HIGHWAY HDD	900056345	THOUS VMT	NOX NHC	10.08 7.18	9000284 0000202
119	ON-HIGHWAY MC	000017357	THOUS VMT	NOX NHC	10.08 7.18	0000077 0000055
120	RESIDENTIAL ANTHRACITE	000004740	TON	NOX THC	3.00 2.50	0000007 0000006
121	RESIDENTIAL BITUMINOUS	000000000	TON	NOX THC	3.00 20.00	0000000 0000000
122	RESIDENTIAL RESIDUAL OIL	000002390	THOUS GAL	NOX THC	60.00 1.00	0000072 0000001
123	RESIDENTIAL DISTILLATE	000001100	THOUS GAL	NOX THC	18.00 1.00	0000550 0000031
124	RESIDENTIAL NATURAL GAS	000005930	MIL CU FT	NOX THC	80.00 8.00	0000237 0000024
125	RESIDENTIAL LPG	000000000	THOUS GAL	NOX THC	7.50 0.75	0000000 0000000
126	RESIDENTIAL WOOD	000000300	TON	NOX THC	5.00 20.00	0000001 0000003
127	COMM/INST ANTHRACITE	000000000	TON	NOX THC	10.00 0.00	0000000 0000000
128	COMM/INST BITUMINOUS	000000000	TON	NOX THC	6.00 3.00	0000000 0000000
129	COMM/INST RESIDUAL OIL	000024260	THOUS GAL	NOX THC	60.00 1.00	0000728 0000012

TABLE B-1 (continued)

COUNTY:2980

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000021030	THOUS GAL	NOX THC	22.00 1.00	0000231 0000011
031	COMM/INST NATURAL GAS	000003300	MIL CU FT	NOX THC	120.00 8.00	0000198 0000013
032	COMM/INST LPG	000000000	THOUS GAL	NOX THC	11.00 3.75	0000000 0000000
033	COMM/INST WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
034	INDUSTRIAL ANTHRACITE	000000000	TON	NOX THC	18.00 0.00	0000000 0000000
035	INDUSTRIAL BITUMINOUS	000000000	TON	NOX THC	15.00 1.00	0000000 0000000
036	INDUSTRIAL RESIDUAL OIL	000007990	THOUS GAL	NOX THC	60.00 1.00	0000240 0000004
037	INDUSTRIAL DISTILLATE OIL	000008140	THOUS GAL	NOX THC	22.00 1.00	0000390 0000004
038	INDUSTRIAL NATURAL GAS	000001380	MIL CU FT	NOX THC	175.00 3.00	0000121 0000002
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 3.00	0000000 0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
041	MILITARY AIRCRAFT	000004395	LND/TAKE OFF	NOX THC	3.79 22.02	0000008 0000048
042	CIVIL AIRCRAFT	0000084534	LND/TAKE OFF	NOX THC	0.18 0.53	0000038 0000022

TABLE B-1 (continued)

CATEGORY		CATEGORY DESCRIPTION	PROCESS NAME	UNITS LMD/TAKE OFF	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
NUMBER	NAME						
43	COMMERCIAL AIRCRAFT				COX THC	41.31 55.28	0000095 0000129
44	RAILROAD LOCOMOTIVES		000031220	THOUS GAL	NOX THC	370.00 94.00	0000226 0000057
45	VESSELS - GASOLINE		000000183	THOUS GAL	NOX THC	54.64 590.16	0000005 0000054
46	VESSELS - DISTILLATE OIL		000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
47	VESSELS - RESIDUAL OIL		000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
48	OFF-HIGHWAY VEHICLES-GAS		000001631	THOUS GAL	NOX THC	106.68 129.58	0000087 0000106
49	OFF-HIGHWAY VEH - DIESEL		000000010	THOUS GAL	NOX THC	480.20 34.94	0001443 0000105
50	ON-SITE INCINERATION		000033000	TON	NOX THC	3.00 0.27	0000050 0000005
51	OPEN BURNING		000000001	THOUS GAL	NOX THC	19.20 467.20	0000000 0000000
52	STRUCTURAL FIRES		000010000	TON	NOX THC	6.00 29.79	0000057 0000283
53	FIELD/SLASH BURNING		000000010	TON	NOX THC	4.00 24.00	0000000 0000001
54	FOREST FIRES		000000000	TON	NOX THC	4.00 24.00	0000000 0000000
999	COUNTY TOTALS				THC NHC NOX		0007140 0000380 0013058

TABLE B-1 (continued)

COUNTY:3060

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATL	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000287100	THOUS GAL	THC	0.30	0000043
002	STAGE II GASOLINE EVAP	000287100	THOUS GAL	THC	9.70	0001392
003	STORAGE TANK BREATHING	000287100	THOUS GAL	THC	1.00	0000144
004	GASOLINE LOADING/TRANSIT	000297546	THOUS GAL	THC	6.87	0001022
005	SM IND/COMM DEGREASING	000595893	POPULATION	NHC	3.00	0000894
006	DRY CLEANING	000595893	POPULATION	NHC	1.15	0000343
007	ARCH SURFACE COATING	000595893	POPULATION	NHC	4.60	0001371
008	AUTO BODY REFINISHING	000595893	POPULATION	NHC	1.90	0000566
009	SM IND SURFACE COATING	000011428	TON	THC	1,175.00	0006714
010	GRAPHIC ARTS	000595893	POPULATION	NHC	0.80	0000238
011	COMM/CONS SOLVENT USE	000595893	POPULATION	THC	6.30	0001877
012	CUTBACK ASPHALT	000002410	TON	THC	675.46	0000814
013	PESTICIDES	000000138	TON	NHC	1,800.00	0000142
014	ON-HIGHWAY LOV	004410073	THOUS VMT	NHC	10.33	0022787
015	ON-HIGHWAY LOT1	000465595	THOUS VMT	NHC	7.38	0016284
016	ON-HIGHWAY LOT2	000263707	THOUS VMT	NHC	10.33	0002405
				NHC	7.28	0001714
				NHC	10.33	0001362
				NHC	7.28	0000973

TABLE B-1 (continued)

COUNTY:3060		CATEGORY		PROCESS		POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
NUMBER	DESCRIPTION	RATE	UNITS					
017	ON-HIGHWAY HDG	000235653	THOUS VMT			NOX NHC	10.33 7.38	0001217 0000870
018	ON-HIGHWAY HDG	000165150	THOUS VMT			NOX NHC	10.33 7.38	0000956 0000683
019	ON-HIGHWAY PC	000650497	THOUS VMT			NOX NHC	10.33 7.38	0000261 0000186
020	RESIDENTIAL ANTHRACITE	000000950	TON			NOX THC	3.00 2.50	0000000 0000005
021	RESIDENTIAL BITUMINOUS	000000000	TON			NOX THC	3.00 20.00	0000000 0000000
022	RESIDENTIAL RESIDUAL OIL	000000800	THOUS GAL			NOX THC	60.00 1.00	0000114 0000002
023	RESIDENTIAL DISTILLATE	000000000	THOUS GAL			NOX THC	18.00 1.00	0000673 0000049
024	RESIDENTIAL NATURAL GAS	000011880	MIL CU FT			NOX THC	80.00 8.00	0000475 0000048
025	RESIDENTIAL LPG	000000000	THOUS GAL			NOX THC	7.50 0.75	0000000 0000000
026	RESIDENTIAL WOOD	000000200	TON			NOX THC	5.00 20.00	0000001 0000002
027	COMM/INST ANTHRACITE	000000000	TON			NOX THC	10.00 0.00	0000000 0000000
028	COMM/INST BITUMINOUS	000000000	TON			NOX THC	6.00 3.00	0000000 0000000
029	COMM/INST RESIDUAL OIL	000001850	THOUS GAL			NOX THC	60.00 1.00	0000956 0000016

TABLE B-1 (continued)

COUNTY:3060

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000027610	THOUS GAL	NOX THC	22.00 1.00	0000304 0000014
031	COMM/INST NATURAL GAS	000004340	MIL CU FT	NOX THC	120.00 8.00	0000260 0000017
032	COMM/INST LPG	000000000	THOUS GAL	NOX THC	11.00 0.75	0000000 0000000
033	COMM/INST #000/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
034	INDUSTRIAL ANTHRACITE	000000000	TON	NOX THC	18.00 0.00	0000000 0000000
035	INDUSTRIAL BITUMINOUS	000000000	TON	NOX THC	15.00 1.00	0000000 0000000
036	INDUSTRIAL RESIDUAL OIL	000018010	THOUS GAL	NOX THC	60.00 1.00	0000564 0000009
037	INDUSTRIAL DISTILLATE OIL	000015160	THOUS GAL	NOX THC	22.00 1.00	0000211 0000010
038	INDUSTRIAL NATURAL GAS	000003230	MIL CU FT	NOX THC	175.00 3.00	0000283 0000005
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 3.00	0000000 0000000
040	INDUSTRIAL #000/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
041	MILITARY AIRCRAFT	000000000	LAND/TAKE OFF	NOX THC	3.79 22.02	0000000 0000000
042	CIVIL AIRCRAFT	000007700	LAND/TAKE OFF	NOX THC	0.18 0.53	0000005 0000018

TABLE B-1 (continued)

COUNTY:3060

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS LMD/TAKE OFF	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
143	COMMERCIAL AIRCRAFT	00000000		NOX THC	41.31 55.98	000000 000000
144	RAILROAD LOCOMOTIVES	000003930	THOUS GAL	NOX THC	370.00 94.00	0000720 0000183
145	VESSELS - GASOLINE	000000559	THOUS GAL	NOX THC	7.03 471.00	0000002 0000134
146	VESSELS - DISTILLATE OIL	000002890	THOUS GAL	NOX THC	40.83 24.22	0000059 0000035
147	VESSELS - RESIDUAL OIL	000001070	THOUS GAL	NOX THC	9.34 0.00	0000005 0000000
148	OFF-HIGHWAY VEHICLES-GAS	00001441	THOUS GAL	NOX THC	98.22 124.96	0000169 0000215
149	OFF-HIGHWAY VEH - DIESEL	000011580	THOUS GAL	NOX THC	485.14 34.37	0002809 0000199
150	ON-SITE INCINERATION	0000700	TON	NOX THC	3.00 0.27	0000091 0000008
151	OPEN BURNING	000000007	THOUS GAL	NOX THC	19.20 467.20	0000000 0000002
152	STRUCTURAL FIRES	00000000	TON	NOX THC	6.00 29.97	0000174 0000869
153	FILL/BLAST BURNING	000000400	TON	NOX THC	4.00 24.00	0000001 0000005
154	FOREST FIRES	000001018	TON	NOX THC	4.00 24.00	0000002 0000012
999	COUNTY TOTALS			THC NOX NOX		0013863 0024264 0037073

TABLE B-1 (continued)

COUNTY:3180

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RAIL	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000244000	THOUS GAL	THC	0.30	0000037
002	STAGE II GASOLINE EVAP	000244000	THOUS GAL	THC	9.70	0001183
003	STORAGE TANK BREATHING	000244000	THOUS GAL	THC	1.00	0000122
004	GASOLINE LOADING/TRANSIT	000252878	THOUS GAL	THC	6.87	0000869
005	SM IND/COMM DEGREASING	000503173	POPULATION	NHC	3.00	0000755
006	DRY CLEANING	000503173	POPULATION	NHC	1.17	0000295
007	ARCH SURFACE COATING	000503173	POPULATION	NHC	4.60	0001157
008	AUTO BODY REFINISHING	000503173	POPULATION	NHC	1.90	0000478
009	SM IND SURFACE COATING	000010000	TON	THC	1,175.00	0005875
010	GRAPHIC ARTS	000503173	POPULATION	NHC	0.80	0000201
011	COM./CONS SOLVENT USE	000503173	POPULATION	THC	6.30	0001585
012	CUTBACK ASPHALT	000003115	TON	THC	675.46	0001052
013	PESTICIDES	000000362	TON	NHC	1,800.00	0003326
014	ON-HIGHWAY LOW	003145749	THOUS VMT	NOX NHC	9.87 6.82	0015538 0010736
015	ON-HIGHWAY LDT1	000330185	THOUS VMT	NOX NHC	9.88 6.83	0001641 0001134
016	ON-HIGHWAY LDT2	000100105	THOUS VMT	NOX NHC	9.88 6.63	0000929 0000642

TABLE B-1 (continued)

COUNTY:3180

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RAT.	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
17	ON-HIGHWAY HDG	00016093	THOUS VMT	COX NHC	9.88 6.83	0000830 0300574
18	ON-HIGHWAY HDG	000132073	THOUS VMT	COX NHC	9.88 6.83	0000652 0000451
19	ON-HIGHWAY MC	000036020	THOUS VMT	COX NHC	9.88 6.83	0000178 0000123
20	RESIDENTIAL ANTHRACITE	000002280	TON	COX THC	3.60 2.50	0000003 0000003
21	RESIDENTIAL BITUMINOUS	000000000	TON	COX THC	3.60 20.00	0000000 0000000
22	RESIDENTIAL RESIDUAL OIL	000002940	THOUS GAL	COX THC	60.00 1.00	0000088 0000031
23	RESIDENTIAL DISTILLATE	000074920	THOUS GAL	COX THC	18.00 1.00	0000674 0000037
24	RESIDENTIAL NATURAL GAS	000006930	MIL CU FT	COX THC	80.00 8.00	0000397 0000040
25	RESIDENTIAL LPG	000000000	THOUS GAL	COX THC	7.50 0.75	0000000 0000000
26	RESIDENTIAL WOOD	000000000	TON	COX THC	5.00 20.00	0000002 0000000
27	COMM/INST ANTHRACITE	000000000	TON	COX THC	10.00 0.00	0000000 0000000
28	COMM/INST BITUMINOUS	000000000	TON	COX THC	6.00 3.50	0000000 0000000
29	COMM/INST RESIDUAL OIL	000023950	THOUS GAL	COX THC	60.00 1.00	0000719 0000012

TABLE B-1 (continued)

COUNTY:3180

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000029760	THOUS GAL	NOX THC	22.00 1.00	0000228 0000010
031	COMM/INST NATURAL GAS	000003260	MIL CU FT	NOX THC	120.00 8.00	0000196 0000013
032	COMM/INST LPG	000000000	THOUS GAL	NOX THC	11.00 0.75	0000000 0000000
033	COMM/INST WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
034	INDUSTRIAL ANTHRACITE	000000000	TON	NOX THC	18.00 0.00	0000000 0000000
035	INDUSTRIAL BITUMINOUS	000000000	TON	NOX THC	15.00 1.00	0000000 0000000
036	INDUSTRIAL RESIDUAL OIL	000005310	THOUS GAL	NOX THC	60.00 1.00	0000159 0000003
037	INDUSTRIAL DISTILLATE OIL	000005410	THOUS GAL	NOX THC	22.00 1.00	0000060 0000003
038	INDUSTRIAL NATURAL GAS	000000910	MIL CU FT	NOX THC	175.00 3.00	0000080 0000001
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.00 3.00	0000000 0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
041	MILITARY AIRCRAFT	000000000	LND/TAKE OFF	NOX THC	3.79 22.02	0000000 0000000
042	CIVIL AIRCRAFT	000128000	LND/TAKE OFF	NOX THC	6.18 0.53	0000011 0000033

TABLE B-1 (continued)

COUNTY:3180

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
43	COMMERCIAL AIRCRAFT	00000000	LBS/TANE OFF	NOX THC	91.31 55.98	0000000 0000000
44	RAILROAD LOCOMOTIVES	000001400	THOUS GAL	NOX THC	370.00 94.00	0003259 0000066
45	VESSELS - GASOLINE	000002742	THOUS GAL	NOX THC	9.45 563.84	0000013 0000775
46	VESSELS - DISTILLATE OIL	000001710	THOUS GAL	NOX THC	98.24 20.07	0000084 0000024
47	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
48	OFF-HIGHWAY VEHICLES-DIES	000001932	THOUS GAL	NOX THC	118.01 133.54	0000114 0000129
49	OFF-HIGHWAY VLP - DIESEL	000000784	THOUS GAL	NOX THC	472.19 35.96	0001851 0000141
50	ON-SITE INCINERATION	000043400	TON	NOX THC	3.00 0.27	0000065 0000006
51	JET-BURNING	000000003	THOUS GAL	NOX THC	19.20 467.20	0000006 0000001
52	STRUCTURAL FIRES	000000000	TON	NOX THC	6.05 30.36	0000118 0000592
53	FIELD/CLASH BURNING	000000000	TON	NOX THC	4.00 24.00	0000001 0000004
54	FOREST FIRES	000001992	TON	NOX THC	4.00 24.00	0000004 0000024
999	COUNTY TOTALS			THC NOX THC		0012647 0016672 0024894

TABLE B-1 (continued)

COUNTY:3260						
CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RAT.	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000212400	THOUS GAL	THC	0.30	0000032
002	STAGE II GASOLINE EVAP	000212400	THOUS GAL	THC	9.70	0001030
003	STORAGE TANK BREATHING	000212400	THOUS GAL	THC	1.00	0000106
004	GASOLINE LOADING/TRANSIT	000220128	THOUS GAL	THC	6.87	0000756
005	SM IND/COMP DEGREASING	000407630	POPULATION	NHC	3.00	0000611
006	DRY CLEANING	000407630	POPULATION	NHC	1.17	0000239
007	ARCH SURFACE COATING	000407630	POPULATION	NHC	4.60	0000938
008	AUTO BODY REFINISHING	000407630	POPULATION	NHC	1.90	0000387
009	SM IND SURFACE COATING	000008570	TON	THC	1.175.00	0005035
010	GRAPHIC ARTS	000407630	POPULATION	NHC	0.80	0000163
011	COMM/CONS SOLVENT USE	000407630	POPULATION	THC	6.30	0001284
012	CUTBACK ASPHALT	000002653	TON	THC	675.46	0000896
013	PESTICIDES	000000053	TON	NHC	1.800.00	0000048
014	ON-HIGHWAY LDV	002542419	THOUS VMT	NOX NHC	9.98 6.46	0012697 0008218
015	ON-HIGHWAY LDY1	000260474	THOUS VMT	NOX NHC	9.99 6.46	0001341 0000867
016	ON-HIGHWAY LDY2	000150024	THOUS VMT	NOX NHC	9.99 6.46	0000759 0000491

TABLE B-1 (continued)

COUNTY:3260

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT 1.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
17	ON-HIGHWAY HDG	503135854	TPGUS VMT	COX NHC	9.99 6.46	0000679 0000439
18	ON-HIGHWAY HDG	000106743	THOUS VMT	COX NHC	9.99 6.46	0000533 0000345
19	ON-HIGHWAY HC	000029112	TPGUS VMT	NOX NHC	9.99 6.46	0000143 0000094
20	RESIDENTIAL ANTHRACITE	000003430	TPG	COX THC	3.00 2.50	0000005 0000004
21	RESIDENTIAL BITUMINOUS	000000000	TPG	COX THC	3.00 20.00	0000000 0000000
22	RESIDENTIAL RESIDUAL OIL	000003200	THOUS GAL	COX THC	60.00 1.00	0000096 0000002
23	RESIDENTIAL DISTILLATE	000001750	THOUS GAL	COX THC	18.00 1.00	0000736 0000041
24	RESIDENTIAL NATURAL GAS	000005500	MIL CU FT	COX THC	80.00 8.00	0000223 0000022
25	RESIDENTIAL LPG	000001000	THOUS GAL	COX THC	7.50 0.75	0000000 0000000
26	RESIDENTIAL WOOD	000000200	TPG	COX THC	5.00 20.00	0000001 0000002
27	COMM/INDST ANTHRACITE	000000000	TPG	COX THC	10.00 0.00	0000000 0000000
28	COMM/INDST BITUMINOUS	000000000	TPG	COX THC	6.00 3.00	0000000 0000000
29	COMM/INDST RESIDUAL OIL	000000000	THOUS GAL	COX THC	60.00 1.00	0000611 0000010

TABLE B-1 (continued)

COUNTY:3250

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000017660	THOUS GAL	NOX THC	22.00 1.00	0000194 0000009
031	COMM/INST NATURAL GAS	000002770	MIL CU FT	NOX THC	120.00 8.00	0000166 0000011
032	COMM/INST LPG	000000000	THOUS GAL	NOX THC	11.00 0.75	0000000 0000000
033	COMM/INST WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
034	INDUSTRIAL ANTHRACITE	000000000	TON	NOX THC	18.00 0.00	0000000 0000000
035	INDUSTRIAL BITUMINOUS	000000000	TON	NOX THC	15.00 1.00	0000000 0000000
036	INDUSTRIAL RESIDUAL OIL	000009500	THOUS GAL	NOX THC	60.00 1.00	0000285 0000005
037	INDUSTRIAL DISTILLATE OIL	000009670	THOUS GAL	NOX THC	22.00 1.00	0000106 0000005
038	INDUSTRIAL NATURAL GAS	000001530	MIL CU FT	NOX THC	175.00 3.00	0000143 0000002
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 3.00	0000000 0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
041	MILITARY AIRCRAFT	000001973	LBS/TAKE OFF	NOX THC	3.79 22.02	0000004 0000022
042	CIVIL AIRCRAFT	000115299	LBS/TAKE OFF	NOX THC	0.18 0.53	0000010 0000031

TABLE B-1 (continued)

COUNTY:3253

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
43	COMMERCIAL AIRCRAFT	00000695	LIN/TAKE OFF	NOX THC	41.31 55.98	0000014 0000019
44	RAILROAD LOCOMOTIVES	00001876	THOUS GAL	NOX THC	370.00 94.00	0000346 0000088
45	VESSELS - GASOLINE	00001242	THOUS GAL	NOX THC	57.97 582.93	0000036 0000362
46	VESSELS - DISTILLATE OIL	00000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
47	VESSELS - RESIDUAL OIL	00000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
48	OFF-HIGHWAY VEHICLES-GAS	00001374	THOUS GAL	NOX THC	103.31 129.38	0000103 0000129
49	OFF-HIGHWAY VEH - DIESEL	00007430	THOUS GAL	NOX THC	483.71 34.72	0001797 0000129
50	39-JET INCINERATION	00003900	TON	NOX THC	3.00 0.27	0000059 0000005
51	OPL. BURNING	00000005	THOUS GAL	NOX THC	19.20 467.20	0000000 0000001
52	STRUCTURAL FIRES	00002300	TON	NOX THC	6.09 30.52	0000070 0000351
53	FILLUP/GLASS BURNING	00000900	TON	NOX THC	4.00 24.00	0000002 0000011
54	FOREST FIRES	00001144	TON	NOX THC	4.00 24.00	0000002 0000014
999	COUNTY TOTALS			THC THC NOX		0010414 0012640 0021163

TABLE B-1 (continued)

COUNTY:3900

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000149500	THOUS GAL	THC	7.30	0000546
002	STAGE II GASOLINE EVAP	000149500	THOUS GAL	THC	9.70	0000725
003	STORAGE TANK BREATHING	000149500	THOUS GAL	THC	1.00	0000075
004	GASOLINE LOADING/TRANSIT	000154939	THOUS GAL	THC	6.87	0000532
005	SM IND/COMM DEGREASING	000346038	POPULATION	NHC	3.00	0000519
006	DRY CLEANING	000346038	POPULATION	NHC	1.18	0000205
007	ARCH SURFACE COATING	000346038	POPULATION	NHC	4.60	0000796
008	AUTO BODY REFINISHING	000346038	POPULATION	NHC	1.90	0000329
009	SM IND SURFACE COATING	000007143	TON	THC	1,175.00	0004197
010	GRAPHIC ARTS	000346038	POPULATION	NHC	0.80	0000138
011	COMM/CONS SOLVENT USE	000346038	POPULATION	THC	6.30	0001090
012	CUTBACK ASPHALT	000003005	TON	THC	675.46	0001015
013	PESTICIDES	000000040	TON	NHC	1,800.00	0000035
014	ON-HIGHWAY LDV	001548058	THOUS VMT	NOX NHC	10.36 6.62	0008019 0005130
015	ON-HIGHWAY LDT1	000163472	THOUS VMT	NOX NHC	10.36 6.63	0000847 0000542
016	ON-HIGHWAY LDT2	000092568	THOUS VMT	NOX NHC	10.36 6.63	0000480 0000307

TABLE B-1 (continued)

CATEGORY		CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT	EMISSION FACTOR	EMISSIONS ESTIMATE
NUMBER	DESCRIPTION						
017	ON-HIGHWAY HDG		000082721	THOUS VMT	NOX NHC	10.36 6.63	0000428 0000274
018	ON-HIGHWAY HDD		000064995	THOUS VMT	NOX NHC	10.36 6.63	0000337 0000215
019	ON-HIGHWAY PC		000017726	THOUS VMT	NOX NHC	10.36 6.63	0000092 0000059
020	RESIDENTIAL ANTHRACITE		000000260	TON	NOX THC	3.00 2.50	0000000 0000000
021	RESIDENTIAL BITUMINOUS		000000000	TON	NOX THC	3.00 20.00	0000000 0000000
022	RESIDENTIAL RESIDUAL OIL		000001950	THOUS GAL	NOX THC	60.00 1.00	0000056 0000001
023	RESIDENTIAL DISTILLATE		000047560	THOUS GAL	NOX THC	18.00 1.00	0000428 0000024
024	RESIDENTIAL NATURAL GAS		000007420	MIL CU FT	NOX THC	80.00 8.00	0000297 0000030
025	RESIDENTIAL LPG		000000000	THOUS GAL	NOX THC	7.50 0.75	0000000 0000000
026	RESIDENTIAL WOOD		000000200	TON	NOX THC	5.00 20.00	0000001 0000002
027	COMM/INST ANTHRACITE		000000000	TON	NOX THC	10.00 0.00	0000000 0000000
028	COMM/INST BITUMINOUS		000000000	TON	NOX THC	6.00 3.00	0000000 0000000
029	COMM/INST RESIDUAL OIL		000010090	THOUS GAL	NOX THC	60.00 1.00	0000303 0000005

TABLE B-1 (continued)

COUNTY:3900

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000008730	THOUS GAL	NOX THC	22.00 1.00	0000096 0000004
031	COMM/INST NATURAL GAS	000001380	MIL CU FT	NOX THC	120.00 8.00	0000083 0000006
032	COMM/INST LPG	000000000	THOUS GAL	NOX THC	11.00 0.75	0000000 0000000
033	COMM/INST WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
034	INDUSTRIAL ANTHRACITE	000000000	TON	NOX THC	18.00 0.00	0000000 0000000
035	INDUSTRIAL BITUMINOUS	000000000	TON	NOX THC	15.00 1.00	0000000 0000000
036	INDUSTRIAL RESIDUAL OIL	000001230	THOUS GAL	NOX THC	60.00 1.00	0000037 0000001
037	INDUSTRIAL DISTILLATE OIL	000001270	THOUS GAL	NOX THC	22.00 1.00	0000014 0000001
038	INDUSTRIAL NATURAL GAS	000000210	MIL CU FT	NOX THC	175.00 3.00	0000018 0000000
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 3.00	0000000 0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
041	MILITARY AIRCRAFT	000012379	LND/TAKE OFF	NOX THC	3.79 22.02	0000023 0000136
042	CIVIL AIRCRAFT	000054089	LND/TAKE OFF	NOX THC	0.18 0.53	0000005 0000014

TABLE B-1 (continued)

COUNTY:3900

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS LMD/TAKE OFF	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
243	COMMERCIAL AIRCRAFT	00000000		NOX THC	41.31 55.98	0000000 0000000
244	RAILROAD LOCOMOTIVES	000000720	THOUS GAL	NOX THC	370.00 94.00	0000133 0000034
245	VESSELS - GASOLINE	000009458	THOUS GAL	NOX THC	59.99 614.66	0000284 0002907
246	VESSELS - DISTILLATE OIL	000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
247	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
248	OFF-HIGHWAY VEHICLES-GAS	000000549	THOUS GAL	NOX THC	102.00 127.50	0000028 0000035
249	OFF-HIGHWAY VEH - DIESEL	000004410	THOUS GAL	NOX THC	482.54 34.01	0001064 0000075
250	ON-SITE INCINERATION	000028400	TON	NOX THC	3.30 0.27	0000043 0000004
251	OPEN BURNING	000000011	THOUS GAL	NOX THC	19.20 467.20	0000000 0000003
252	STRUCTURAL FIRES	000013000	TON	NOX THC	6.00 36.50	0000039 0000195
253	FIELD/SLASH BURNING	000000000	TON	NOX THC	4.00 24.00	0000006 0000035
254	FOREST FIRES	000005509	TON	NOX THC	4.00 24.00	0000011 0000065
999	COUNTY TOTALS			THC NOX NOX		0011758 0006550 0013172

TABLE B-1 (continued)

COUNTY:4120						
CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATL	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000225200	THOUS GAL	THC	0.30	0000034
002	STAGE II GASOLINE EVAP	000225200	THOUS GAL	THC	9.70	0001092
003	STORAGE TANK BREATHING	000225200	THOUS GAL	THC	1.00	0000113
004	GASOLINE LOADING/TRANSIT	000233394	THOUS GAL	THC	6.87	0000802
005	SM IND/COMM DEGREASING	000447585	POPULATION	NHC	3.00	0000671
006	DRY CLEANING	000447585	POPULATION	NHC	1.13	0000255
007	ARCH SURFACE COATING	000447595	POPULATION	NHC	4.60	0001029
008	AUTO BODY REFINISHING	000447585	POPULATION	NHC	1.90	0000425
009	SM IND SURFACE COATING	000008570	TON	THC	1,175.00	0005035
010	GRAPHIC ARTS	000447585	POPULATION	NHC	0.80	0000179
011	COMM/CONS SOLVENT USE	000447585	POPULATION	THC	6.30	0001410
012	CUTBACK ASPHALT	000001403	TON	THC	675.46	0000474
013	PESTICIDES	000000004	TON	NHC	1,800.00	0000004
014	ON-HIGHWAY LDV	002104051	THOUS VMT	NOX NHC	9.61 8.15	0010110 0008582
015	ON-HIGHWAY LUT1	000222184	THOUS VMT	NOX NHC	9.61 8.16	0001068 0000907
016	ON-HIGHWAY LUT2	000125815	THOUS VMT	NOX NHC	9.61 8.16	0000605 0000513

TABLE B-1 (continued)

COUNTY:4120

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
017	ON-HIGHWAY HDG	000112430	THOUS VMT	NOX NHC	9.61 8.16	0000540 0000459
018	ON-HIGHWAY HDG	000088338	THOUS VMT	NOX NHC	9.61 8.16	0000424 0000360
019	ON-HIGHWAY MC	000024032	THOUS VMT	NOX NHC	9.61 8.16	0000116 0000098
020	RESIDENTIAL ANTHRACITE	000007550	TON	COX THC	3.00 2.50	0000011 0000009
021	RESIDENTIAL BITUMINOUS	000000000	TON	COX THC	3.00 29.00	0000000 0000000
022	RESIDENTIAL RESIDUAL OIL	000000710	THOUS GAL	COX THC	60.00 1.00	0000081 0000001
023	RESIDENTIAL DISTILLATE	000009350	THOUS GAL	COX THC	18.00 1.00	0000624 0000035
024	RESIDENTIAL NATURAL GAS	000010480	MIL CU FT	COX THC	80.00 8.00	0000419 0000042
025	RESIDENTIAL LPG	000000030	THOUS GAL	COX THC	7.50 0.75	0000000 0000000
026	RESIDENTIAL WOOD	000000000	TON	COX THC	5.00 20.00	0000001 0000002
027	COMM/INST ANTHRACITE	000000000	TON	COX THC	10.00 0.00	0000000 0000000
028	COMM/INST BITUMINOUS	000000000	TON	COX THC	6.00 3.00	0000000 0000000
029	COMM/INST RESIDUAL OIL	000000000	THOUS GAL	COX THC	60.00 1.00	0000698 0000012

TABLE B-1 (continued)

COUNTY:4120

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000021180	THOUS GAL	NOX THC	22.00 1.00	0000222 0000010
031	COMM/INST NATURAL GAS	000003170	MIL CU FT	NOX THC	120.00 8.00	0000190 0000013
032	COMM/INST LPG	000000000	THOUS GAL	NOX THC	11.00 0.75	0000000 0000000
033	COMM/INST WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
034	INDUSTRIAL ANTHRACITE	000000000	TON	NOX THC	18.00 0.00	0000000 0000000
035	INDUSTRIAL BITUMINOUS	000000000	TON	NOX THC	15.00 1.00	0000000 0000000
036	INDUSTRIAL RESIDUAL OIL	000014790	THOUS GAL	NOX THC	60.00 1.00	0000444 0000007
037	INDUSTRIAL DISTILLATE OIL	000015050	THOUS GAL	NOX THC	22.00 1.00	0000166 0000008
038	INDUSTRIAL NATURAL GAS	000002540	MIL CU FT	NOX THC	175.00 3.00	0000222 0000004
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 3.00	0000000 0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
041	MILITARY AIRCRAFT	000000000	LND/TAKE OFF	NOX THC	3.79 22.02	0000000 0000000
042	CIVIL AIRCRAFT	000070431	LND/TAKE OFF	NOX THC	0.18 0.53	0000006 0000019

TABLE B-1 (continued)

COUNTY:4120						
CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS MAIL	UJITS LND/TAKE OFF	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
243	COMMERCIAL AIRCRAFT	00000000		NOX THC	41.31 55.98	0000000 0000000
244	RAILROAD LOCOMOTIVES	000001290	THOUS GAL	NOX THC	370.00 94.00	0000237 0000060
245	VESSELS - GASOLINE	000000686	THOUS GAL	NOX THC	52.47 527.69	0000018 0000181
246	VESSELS - DISTILLATE OIL	000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
247	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
248	OFF-HIGHWAY VEHICLES-GAS	000000255	THOUS GAL	NOX THC	90.67 125.94	0000109 0000142
249	OFF-HIGHWAY VEH - DIESEL	000000380	THOUS GAL	NOX THC	488.78 33.89	0002048 0000142
250	ON-SITE INCINERATION	000000800	TONS	NOX THC	3.00 0.27	0000069 0000006
251	OPEN BURNING	000000001	THOUS GAL	NOX THC	19.20 467.20	0000000 0000000
252	STRUCTURAL FIRES	000001000	TONS	NOX THC	6.00 30.10	0000063 0000316
253	FIELD/SLASH BURNING	000000000	TONS	NOX THC	4.00 24.00	0000000 0000000
254	FOREST FIRES	000000394	TONS	NOX THC	4.00 24.00	0000001 0000005
999	COUNTY TOTALS			THC NOX NOX		0009974 0013482 0018492

TABLE B-1 (continued)

COUNTY:4300						
CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000029900	THOUS GAL	THC	0.30	0000004
002	STAGE II GASOLINE EVAP	000029900	THOUS GAL	THC	9.70	0000145
003	STORAGE TANK BREATHING	000029900	THOUS GAL	THC	1.00	0000015
004	GASOLINE LOADING/TRANSIT	000030908	THOUS GAL	THC	6.87	0000106
005	SM IND/COMM DEGREASING	000064576	POPULATION	NHC	3.00	0000097
006	DRY CLEANING	000064676	POPULATION	NHC	1.08	0000035
007	ARCH SURFACE COATING	000064576	POPULATION	NHC	4.60	0000149
008	AUTO BODY REFINISHING	000064676	POPULATION	NHC	1.90	0000061
009	SM IND SURFACE COATING	000001427	TON	THC	1,175.00	0000838
010	GRAPHIC ARTS	000064676	POPULATION	NHC	0.80	0000026
011	COMM/CONS SOLVENT USE	000064676	POPULATION	THC	6.30	0000204
012	CUTBACK ASPHALT	000001007	TON	THC	675.46	0000340
013	PESTICIDES	000000376	TON	NHC	1,800.00	0000338
014	ON-HIGHWAY LDV	000724884	THOUS VMT	NOX NHC	10.13 5.86	0003672 0002124
015	ON-HIGHWAY LD11	000070546	THOUS VMT	NOX NHC	10.13 5.86	0000388 0000224
016	ON-HIGHWAY LD12	000043345	THOUS VMT	NOX NHC	10.13 5.86	0000220 0000127

TABLE B-1 (continued)

COUNTY:4906								
CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE		
017	ON-HIGHWAY HDG	000038734	THOUS VMT	NOX NHC	10.13 5.86	0000196 0000113		
018	ON-HIGHWAY HDU	000030434	THOUS VMT	NOX NHC	10.13 5.86	0000154 0000089		
019	ON-HIGHWAY HC	000004300	THOUS VMT	NOX NHC	10.13 5.86	0000042 0000024		
020	RESIDENTIAL ANTHRACITE	000000790	TON	NOX THC	3.00 2.50	0000001 0000001		
021	RESIDENTIAL BITUMINOUS	000000000	TON	NOX THC	3.00 20.00	0000000 0000000		
022	RESIDENTIAL RESIDUAL OIL	000006670	THOUS GAL	NOX THC	60.00 1.00	0000020 0000000		
023	RESIDENTIAL DISTILLATE	000017200	THOUS GAL	NOX THC	18.00 1.00	0000155 0000009		
024	RESIDENTIAL NATURAL GAS	000000410	MIL CU FT	NOX THC	80.00 8.00	0000016 0000002		
025	RESIDENTIAL LPG	000000000	THOUS GAL	NOX THC	7.50 0.75	0000000 0000000		
026	RESIDENTIAL WOOD	000000000	TON	NOX THC	5.00 20.00	0000003 0000010		
027	COMM/INST ANTHRACITE	000000000	TON	NOX THC	10.00 0.00	0000000 0000000		
028	COMM/INST BITUMINOUS	000000000	TON	NOX THC	6.00 3.00	0000000 0000000		
029	COMM/INST RESIDUAL OIL	000000780	THOUS GAL	NOX THC	60.00 1.00	0000053 0000001		

TABLE B-1 (continued)

COUNTY:4900

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000001540	THOUS GAL	NOX THC	22.00 1.00	0000017 0000001
031	COMM/INST NATURAL GAS	000000240	MIL CU FT	NOX THC	120.00 8.60	0000014 0000001
032	COMM/INST LPG	000000000	THOUS GAL	NOX THC	11.00 0.75	0000000 0000000
033	COMM/INST WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
034	INDUSTRIAL ANTHRACITE	000000000	TON	NOX THC	18.60 0.00	0000000 0000000
035	INDUSTRIAL BITUMINOUS	000000000	TON	NOX THC	15.00 1.00	0000000 0000000
036	INDUSTRIAL RESIDUAL OIL	000002300	THOUS GAL	NOX THC	60.00 1.00	0000069 0000001
037	INDUSTRIAL DISTILLATE OIL	000002340	THOUS GAL	NOX THC	22.00 1.00	0000026 0000001
038	INDUSTRIAL NATURAL GAS	000000390	MIL CU FT	NOX THC	175.00 3.00	0000034 0000001
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 3.00	0000000 0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
041	MILITARY AIRCRAFT	000000000	LND/LAKE OFF	NOX THC	3.79 22.02	0000000 0000000
042	CIVIL AIRCRAFT	000014402	LND/LAKE OFF	NOX THC	0.18 0.53	0000001 0000004

TABLE B-1 (continued)

COUNTY:4900									
CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT	EMISSION FACTOR	EMISSIONS ESTIMATE			
43	COMMERCIAL AIRCRAFT	000000000	L/D/TAKE OFF	I.D.					
				NOX	41.31	0000000			
				THC	55.98	0000000			
44	RAILROAD LOCOMOTIVES	000000870	THOUS GAL	NOX	370.00	0000161			
				THC	94.00	0000041			
45	VESSELS - GASOLINE	000000274	THOUS GAL	NOX	6.00	0000000			
				THC	151.78	0000017			
46	VESSELS - DISTILLATE OIL	000017630	THOUS GAL	NOX	25.52	0000225			
				THC	8.28	0000073			
47	VESSELS - RESIDUAL OIL	000001310	THOUS GAL	NOX	6.21	0000005			
				THC	1.13	0000001			
48	OFF-HIGHWAY VEHICLES-GAS	000001242	THOUS GAL	NOX	135.26	0000084			
				THC	141.70	0000088			
49	OFF-HIGHWAY VEH - DIESEL	000002040	THOUS GAL	NOX	414.42	0000431			
				THC	45.19	0000047			
50	ON-SITE INCINERATION	000000700	Ton	NOX	3.00	0000010			
				THC	0.27	0000001			
51	OPEN BURNING	000000000	THOUS GAL	NOX	19.20	0000000			
				THC	467.20	0000001			
52	STRUCTURAL FIRES	000000000	Ton	NOX	6.33	0000019			
				THC	31.33	0000094			
53	FILLD/SLASH BURNING	000000000	Ton	NOX	4.00	0000001			
				THC	24.00	0000066			
54	FOREST FIRES	000000000	Ton	NOX	4.00	0000007			
				THC	24.00	0000041			
999	COUNTY TOTALS			THC		0002094			
				NOX		0003407			
				NOX		0005324			

TABLE B-1 (continued)

COUNTY:5020						
CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS • RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000086500	THOUS GAL	THC	0.30	0000013
002	STAGE II GASOLINE EVAP	000086500	THOUS GAL	THC	9.70	0000420
003	STORAGE TANK BREATHING	000086500	THOUS GAL	THC	1.00	0000043
004	GASOLINE LOADING/TRANSIT	000089751	THOUS GAL	THC	6.87	0000308
005	SM IND/COMM DEGREASING	000203129	POPULATION	NHC	3.00	0000305
006	DRY CLEANING	000203129	POPULATION	NHC	1.23	0000125
007	ARCH SURFACE COATING	000203129	POPULATION	NHC	4.60	0000467
008	AUTO BODY REFINISHING	000203129	POPULATION	NHC	1.90	0000193
009	SM I.D. SURFACE COATING	000004285	TON	THC	1,175.00	0002517
010	GRAPHIC ARTS	000203129	POPULATION	NHC	0.80	0000081
011	COMM/CONS SOLVENT USE	000203129	POPULATION	THC	6.30	0000640
012	CUTBACK ASPHALT	000001513	TON	THC	675.46	0000511
013	PESTICIDES	000000384	TON	NHC	1,800.00	0000075
014	ON-HIGHWAY LUV	001453385	THOUS VMT	NOX NHC	10.13 7.13	0007367 0005184
015	ON-HIGHWAY LDT1	000153474	THOUS VMT	NOX NHC	10.14 7.13	0000779 0000547
016	ON-HIGHWAY LDT2	000764907	THOUS VMT	NOX NHC	10.14 7.13	0000441 0000310

TABLE B-1 (continued)

COUNTY:5026

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
17	ON-HIGHWAY HOG	000077552	THOUS VMT	NOX NHC	10.14 7.13	0000394 0000277
18	ON-HIGHWAY HDD	000061020	THOUS VMT	NOX NHC	10.14 7.13	0000303 0000216
19	ON-HIGHWAY MC	000016542	THOUS VMT	NOX NHC	10.14 7.13	0000084 0000059
20	RESIDENTIAL ANTHRACITE	000001750	TON	NOX THC	3.00 2.50	0000003 0000002
21	RESIDENTIAL BITUMINOUS	000000000	TON	NOX THC	3.00 20.00	0000000 0000000
22	RESIDENTIAL RESIDUAL OIL	000001370	THOUS GAL	NOX THC	60.00 1.00	0000041 0000001
23	RESIDENTIAL DISTILLATE	000034760	THOUS GAL	NOX THC	18.00 1.00	0000313 0000017
24	RESIDENTIAL NATURAL GAS	000004000	MIL CU FT	NOX THC	80.00 8.00	0000163 0000016
25	RESIDENTIAL LPG	000000000	THOUS GAL	NOX THC	7.50 0.75	0000000 0000000
26	RESIDENTIAL WOOD	000000000	TON	NOX THC	5.00 20.00	0000000 0000000
27	COMM/INST ANTHRACITE	000000000	TON	NOX THC	10.00 5.00	0000000 0000000
28	COMM/INST BITUMINOUS	000000000	TON	NOX THC	6.00 3.00	0000000 0000000
29	COMM/INST RESIDUAL OIL	000010500	THOUS GAL	NOX THC	60.00 1.00	0000310 0000005

TABLE B-1 (continued)

COUNTY:5020

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000008950	THOUS GAL	NOX THC	22.00 1.00	0000098 0000004
031	COMM/INST NATURAL GAS	000001400	MIL CU FT	NOX THC	120.00 8.00	0000084 0000006
032	COMM/INST LPG	000000000	THOUS GAL	NOX THC	11.00 0.75	0000000 0000000
033	COMM/INST WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
034	INDUSTRIAL ANTHRACITE	000000000	TON	NOX THC	18.00 0.00	0000000 0000000
035	INDUSTRIAL BITUMINOUS	000000000	TON	NOX THC	15.00 1.00	0000000 0000000
036	INDUSTRIAL RESIDUAL OIL	000005190	THOUS GAL	NOX THC	60.00 1.00	0000155 0000003
037	INDUSTRIAL DISTILLATE OIL	000005310	THOUS GAL	NOX THC	22.00 1.00	0000058 0000003
038	INDUSTRIAL NATURAL GAS	000005890	MIL CU FT	NOX THC	175.00 3.00	0000078 0000001
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 3.00	0000000 0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
041	MILITARY AIRCRAFT	000000000	LND/TAKE OFF	NOX THC	3.79 22.02	0000000 0000000
042	CIVIL AIRCRAFT	000078991	LND/TAKE OFF	NOX THC	0.18 0.53	0000007 0000021

TABLE B-1 (continued)

COUNTY:5020

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
43	COMMERCIAL AIRCRAFT	00000000	LMD/TAKE OFF	NOX THC	41.31 55.98	0000000 0000000
44	RAILROAD LOCOMOTIVES	00000190	THOUS GAL	NOX THC	370.00 94.00	0000368 0000094
45	VESSELS - GASOLINE	00000001	THOUS GAL	NOX THC	65.57 590.16	0000002 0000018
46	VESSELS - DISTILLATE OIL	00000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
47	VESSELS - RESIDUAL OIL	00000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
48	OFF-HIGHWAY VEHICLES-GAS	00001415	THOUS GAL	NOX THC	108.83 131.44	0000077 0000093
49	OFF-HIGHWAY VEH - DIESEL	000004340	THOUS GAL	NOX THC	476.63 35.94	0001033 0000078
50	ON-SITE INCINERATION	00002980	TON	NOX THC	3.00 0.27	0000031 0000003
51	OPEN BURNING	00000000	THOUS GAL	NOX THC	19.20 467.20	0000000 0000001
52	STRUCTURAL FIRES	00000000	Ton	NOX THC	6.11 30.56	0000055 0000275
53	FIELD/SLASH BURNING	00000000	Ton	NOX THC	4.00 24.00	0000001 0000004
54	FOREST FIRES	00000000	Ton	NOX THC	4.00 24.00	0000001 0000005
999	COUNTY TOTALS			THC NOX VOC		0005103 0007842 0012252

TABLE B-1 (continued)

COUNTY:5300								
CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE		
001	STAGE I GASOLINE EVAP	000050400	THOUS GAL	THC	7.30	0000184		
002	STAGE II GASOLINE EVAP	000050400	THOUS GAL	THC	9.70	0000244		
003	STORAGE TANK BREATHING	000050400	THOUS GAL	THC	1.00	0000025		
004	GASOLINE LOADING/TRANSIT	000052234	THOUS GAL	THC	6.87	0000179		
005	SM IND/COMM DEGREASING	000116119	POPULATION	NHC	3.00	0000174		
006	DRY CLEANING	000116119	POPULATION	NHC	1.15	0000067		
007	ARCH SURFACE COATING	000116119	POPULATION	NHC	4.60	0000267		
008	AUTO BODY REFINISHING	000116119	POPULATION	NHC	1.90	0000110		
009	SM IND SURFACE COATING	000001427	TON	THC	1,175.00	0000838		
010	GRAPHIC ARTS	000116119	POPULATION	NHC	0.80	0000046		
011	COMM/CONS SOLVENT USE	000116119	POPULATION	THC	6.30	0000366		
012	CUTBACK ASPHALT	000001608	TON	THC	675.46	0000543		
013	PESTICIDES	000000078	TON	NHC	1,800.00	0000070		
014	ON-HIGHWAY LDV	000421728	THOUS VMT	NOX NHC	10.70 6.68	0002256 0001409		
015	ON-HIGHWAY LDT1	000044534	THOUS VMT	NOX NHC	10.70 6.68	0000238 0000149		
016	ON-HIGHWAY LDT2	000024216	THOUS VMT	NOX NHC	10.70 6.68	0000135 0000084		

TABLE B-1 (continued)

COUNTY:5300

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RAT -	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
017	ON-HIGHWAY HDG	000022335	THOUS VMT	NOX NHC	10.70 6.68	0000121 0000075
018	ON-HIGHWAY HDG	000017706	THOUS VMT	NOX NHC	10.70 6.68	0000095 0000059
019	ON-HIGHWAY MC	000004829	THOUS VMT	NOX NHC	10.70 6.68	0000026 0000016
020	RESIDENTIAL ANTHRACITE	000001570	TON	NOX THC	3.00 2.50	0000003 0000002
021	RESIDENTIAL BITUMINOUS	000000000	TON	NOX THC	3.00 20.00	0000000 0000000
022	RESIDENTIAL RESIDUAL OIL	000001090	THOUS GAL	NOX THC	60.00 1.00	0000033 0000001
023	RESIDENTIAL DISTILLATE	000027790	THOUS GAL	NOX THC	18.00 1.00	0000250 0000014
024	RESIDENTIAL NATURAL GAS	000000150	MIL CU FT	NOX THC	80.00 8.00	0000005 0000001
025	RESIDENTIAL LPG	000000000	THOUS GAL	NOX THC	7.50 0.75	0000000 0000000
026	RESIDENTIAL WOOD	000000700	TON	NOX THC	5.00 20.00	0000002 0000007
027	COMM/INST ANTHRACITE	000000000	TON	NOX THC	10.00 0.00	0000000 0000000
028	COMM/INST BITUMINOUS	000000000	TON	NOX THC	6.00 3.00	0000000 0000000
029	COMM/INST RESIDUAL OIL	000000520	THOUS GAL	NOX THC	60.00 1.00	0000106 0000002

TABLE B-1 (continued)

COUNTY:5300		CATEGORY		PROCESS		UNITS		EMISSIONS	
CATEGORY NUMBER	DESCRIPTION	RATE	UNITS	POLLUTANT	EMISSION FACTOR	ESTIMATE			
030	COMM/INST DISTILLATE OIL	000003060	THOUS GAL	NOX	22.00	0000034			
				THC	1.00	0000002			
031	COMM/INST NATURAL GAS	000000510	MIL CU FT	NOX	120.00	0000031			
				THC	8.00	0000002			
032	COMM/INST LPG	000000000	THOUS GAL	NOX	11.00	0000000			
				THC	0.75	0000000			
033	COMM/INST WOOD/OTHER	000000000	TON	NOX	10.00	0000000			
				THC	36.00	0000000			
034	INDUSTRIAL ANTHRACITE	000000000	TON	NOX	18.00	0000000			
				THC	0.00	0000000			
035	INDUSTRIAL BITUMINOUS	000000000	TON	NOX	15.00	0000000			
				THC	1.00	0000000			
036	INDUSTRIAL RESIDUAL OIL	000000590	THOUS GAL	NOX	60.00	0000017			
				THC	1.00	0000000			
037	INDUSTRIAL DISTILLATE OIL	000000590	THOUS GAL	NOX	22.00	0000005			
				THC	1.00	0000000			
038	INDUSTRIAL NATURAL GAS	000000100	MIL CU FT	NOX	175.00	0000009			
				THC	3.00	0000000			
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX	11.65	0000000			
				THC	3.00	0000000			
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX	10.00	0000000			
				THC	36.00	0000000			
041	MILITARY AIRCRAFT	000000000	LID/TAKE OFF	NOX	3.79	0000000			
				THC	22.02	0000000			
042	CIVIL AIRCRAFT	000000000	LID/TAKE OFF	NOX	0.16	0000005			
				THC	0.53	0000014			

TABLE B-1 (continued)

COUNTY:5300

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS LIQ/TAKE OFF	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
343	COMMERCIAL AIRCRAFT	003000000		NOX THC	41.31 55.98	0000000 0000000
344	RAILROAD LOCOMOTIVES	000001430	THOUS GAL	NOX THC	370.00 94.00	0000265 0000067
345	VESSELS - GASOLINE	000001100	THOUS GAL	NOX THC	58.18 605.45	0000032 0000333
346	VESSELS - DISTILLATE OIL	000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
347	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
348	OFF-HIGHWAY VEHICLES-GAS	000000701	THOUS GAL	NOX THC	125.53 142.65	0000344 0000050
349	OFF-HIGHWAY VEH - DIESEL	000001990	THOUS GAL	NOX THC	444.22 39.19	0000442 0000039
350	ON-SITE INCINERATION	000000400	TON	NOX THC	3.00 0.27	0000014 0000001
351	OPEN BURNING	000000001	THOUS GAL	NOX THC	19.20 467.20	0000000 0000000
352	STRUCTURAL FIRES	000000000	TON	NOX THC	6.00 29.50	0000024 0000118
353	FIELD/SLASH BURNING	000000000	TON	NOX THC	4.00 24.00	0000001 0000004
354	FOREST FIRES	000001518	TON	NOX THC	4.00 24.00	0000003 0000018
399	COUNTY TOTALS			THC NOX NOX		0003054 0002526 0004198

TABLE B-1 (continued)

COUNTY:5440						
CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000306900	THOUS GAL	THC	0.30	0000046
002	STAGE II GASOLINE EVAP	000306900	THOUS GAL	THC	9.70	0001488
003	STORAGE TANK BREATHING	000306900	THOUS GAL	THC	1.00	0000153
004	GASOLINE LOADING/TRANSIT	000318066	THOUS GAL	THC	6.87	0001093
005	SM IND/COMM DEGREASING	000504094	POPULATION	NHC	3.00	0000756
006	DRY CLEANING	000504094	POPULATION	NHC	1.17	0000291
007	ARCH SURFACE COATING	000504094	POPULATION	NHC	4.60	0001159
008	AUTO BODY REFINISHING	000504094	POPULATION	NHC	1.90	0000479
009	SM IND SURFACE COATING	000019000	TON	THC	1,175.00	0005875
010	GRAPHIC ARTS	000504094	POPULATION	NHC	0.60	0000202
011	COMP/CONS SOLVENT USE	000504094	POPULATION	THC	6.30	0001588
012	CUTBACK ASPHALT	000001661	TON	THC	675.46	0000561
013	PLASTICIDES	000000002	TON	NHC	1,800.00	0000002
014	ON-HIGHWAY LDV	002830047	THOUS VMT	NOX NHC	9.68 8.26	0013727 0011712
015	ON-HIGHWAY LD11	000299375	THOUS VMT	NOX NHC	9.68 8.26	0001449 0001236
016	ON-HIGHWAY LD12	000169520	THOUS VMT	NOX NHC	9.68 8.26	0000821 0000790

TABLE B-1 (continued)

COUNTY:5440

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
17	ON-HIGHWAY HDG	000151491	THOUS VMT	NOX NHC	9.68 8.26	0000733 0000626
18	ON-HIGHWAY HDG	000110229	THOUS VMT	NOX NHC	9.68 8.26	0000576 0000492
19	ON-HIGHWAY MC	000332452	THOUS VMT	NOX NHC	9.68 8.26	0000157 0000134
20	RESIDENTIAL ANTHRACITE	000909310	TON	NOX THC	3.00 2.50	0000014 0000012
21	RESIDENTIAL BITUMINOUS	000000000	TON	NOX THC	3.00 20.00	0000000 0000000
22	RESIDENTIAL RESIDUAL OIL	000024450	THOUS GAL	NOX THC	60.00 1.00	0000131 0000002
23	RESIDENTIAL DISTILLATE	000111056	THOUS GAL	NOX THC	18.00 1.00	0001000 0000056
24	RESIDENTIAL NATURAL GAS	000000010	MIL CU FT	NOX THC	80.00 8.00	0000360 0000036
25	RESIDENTIAL LPG	000000000	THOUS GAL	NOX THC	7.50 0.75	0000000 0000000
26	RESIDENTIAL WOOD	000000000	TON	NOX THC	5.00 20.00	0000000 0000000
27	COMM/INST ANTHRACITE	000000000	TON	NOX THC	10.00 0.00	0000000 0000000
28	COMM/INST BITUMINOUS	000000000	TON	NOX THC	6.00 3.00	0000000 0000000
29	COMM/INST RESIDUAL OIL	000000000	THOUS GAL	NOX THC	60.00 1.00	0001006 0000017

TABLE B-1 (continued)

COUNTY:5440

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000029060	THOUS GAL	NOX THC	22.00 1.00	0000320 0000015
031	COMM/INST NATURAL GAS	000004550	MIL CU FT	NOX THC	120.00 8.00	0000274 0000018
032	COMM/INST LPG	000000000	THOUS GAL	NOX THC	11.00 0.75	0000000 0000000
033	COMM/INST WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
034	INDUSTRIAL ANTHRACITE	000000000	TON	NOX THC	18.00 0.00	0000000 0000000
035	INDUSTRIAL BITUMINOUS	000000000	TON	NOX THC	15.00 1.00	0000000 0000000
036	INDUSTRIAL RESIDUAL OIL	000019250	THOUS GAL	NOX THC	60.00 1.00	0000578 0000010
037	INDUSTRIAL DISTILLATE OIL	000019610	THOUS GAL	NOX THC	22.00 1.00	0000216 0000010
038	INDUSTRIAL NATURAL GAS	000003310	MIL CU FT	NOX THC	175.00 3.00	0000290 0000005
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 3.00	0000000 0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
041	MILITARY AIRCRAFT	000000000	LHD/TAKE OFF	NOX THC	3.79 22.02	0000000 0000000
042	CIVIL AIRCRAFT	000003994	LHD/TAKE OFF	NOX THC	0.18 0.53	0000000 0000023

TABLE B-1 (continued)

COUNTY:5440

(Continued)

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	FOLLUTANT EMISSION I.D.	EMISSION FACTOR	EMISSION'S ESTIMATE
043	COMMERCIAL AIRCRAFT	00000000	LNU/TAKE OFF	NOX THC	41.31 55.98	0000000 0000000
044	RAILROAD LOCOMOTIVES	000002050	THOUS GAL	NOX THC	370.00 94.00	0000381 0000097
045	VESSELS - GASOLINE	000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
046	VESSELS - DISTILLATE OIL	000014130	THOUS GAL	NOX THC	10.29 2.97	0000083 0000024
047	VESSELS - RESIDUAL OIL	000000250	THOUS GAL	NOX THC	2.28 0.00	0000005 0000000
048	OFF-HIGHWAY VEHICLES-GAS	000003352	THOUS GAL	NOX THC	90.06 126.49	0000161 0000212
049	OFF-HIGHWAY VEH - DIESEL	000011050	THOUS GAL	NOX THC	489.77 34.02	0002705 0000188
050	ON-SITE INCINERATION	000055000	TJ	NOX THC	3.03 0.27	0000083 0000008
051	OPEN BURNING	000000000	THOUS GAL	NOX THC	19.20 467.20	0000000 0000001
052	STRUCTURAL FIRES	000024000	TJ	NOX THC	6.00 29.83	0000072 0000358
053	FILL/SLASH BURNING	000000100	TJ	NOX THC	4.00 24.00	0000000 0000001
054	FOREST FIRES	000000000	TJ	NOX THC	4.00 24.00	0000000 0000000
999	COUNTY TOTALS			THC THC NOX		0011897 0017195 0025152

TABLE B-1 (continued)

COUNTY:5660

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000041700	THOUS GAL	THC	7.30	0000152
002	STAGE II GASOLINE EVAP	000041700	THOUS GAL	THC	9.70	0000202
003	STORAGE TANK BREATHING	000041700	THOUS GAL	THC	1.00	0000021
004	GASOLINE LOADING/TRANSIT	000043217	THOUS GAL	THC	6.87	0000148
005	SM IND/COMM DEGREASING	000084429	POPULATION	NHC	3.00	0000127
006	DRY CLEANING	000084429	POPULATION	NHC	1.16	0000049
007	ARCH SURFACE COATING	000084429	POPULATION	NHC	4.60	0000194
008	AUTO BODY REFINISHING	000084429	POPULATION	NHC	1.90	0000080
009	SM IND SURFACE COATING	000001427	TON	THC	1,175.00	0000838
010	GRAPHIC ARTS	000084429	POPULATION	NHC	0.80	0000034
011	COMP/CONS SOLVENT USE	000084429	POPULATION	THC	6.30	0000266
012	CUTBACK ASPHALT	000001197	TON	THC	675.46	0000401
013	PESTICIDES	000000136	TON	NHC	1,800.00	0000122
014	ON-HIGHWAY LDV	000707758	THOUS VMT	NOX NHC	11.69 6.66	0004208 0002357
015	ON-HIGHWAY LDT1	000074738	THOUS VMT	NOX NHC	11.69 6.66	0003444 0000249
016	ON-HIGHWAY LDT2	000042321	THOUS VMT	NOX NHC	11.69 6.66	0002252 0003141

TABLE B-1 (continued)

COUNTY:5660

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
17	ON-HIGHWAY HOG	260337819	THOUS VMT	NOX	11.89	0000225
				NHC	6.66	0000126
18	ON-HIGHWAY HOG	600029715	THOUS VMT	NOX	11.89	0000177
				NHC	6.66	0000099
19	ON-HIGHWAY HC	500068104	THOUS VMT	NOX	11.89	0000048
				NHC	6.66	0000027
20	RESIDENTIAL ANTHRACITE	000002900	Ton	NOX	3.00	0000004
				THC	2.50	0000004
21	RESIDENTIAL BITUMINOUS	000000000	Ton	NOX	3.00	0000000
				THC	20.00	0000000
22	RESIDENTIAL RESIDUAL OIL	000000850	THOUS GAL	NOX	60.00	0000026
				THC	1.00	0000000
23	RESIDENTIAL DISTILLATE	000021730	THOUS GAL	NOX	18.00	0000195
				THC	1.00	0000011
24	RESIDENTIAL NATURAL GAS	000005563	PIG CU FT	NOX	80.00	0000022
				THC	8.66	0000002
25	RESIDENTIAL LFS	000000000	THOUS GAL	NOX	7.50	0000000
				THC	0.75	0000000
26	RESIDENTIAL WOOD	000001400	Ton	NOX	5.66	0000001
				THC	20.00	0000004
27	COMM/INST ANTHRACITE	000000000	Ton	NOX	10.00	0000000
				THC	0.00	0000000
28	COMM/INST BITUMINOUS	000000000	Ton	NOX	6.00	0000000
				THC	3.00	0000000
29	COMM/INST RESIDUAL OIL	000002710	THOUS GAL	NOX	60.00	0000081
				THC	1.00	0000001

TABLE B-1 (continued)

COUNTY:5660

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000002350	THOUS GAL	NOX THC	22.00 1.00	0000026 0000001
031	COMM/INST NATURAL GAS	000003370	MIL CU FT	NOX THC	120.00 8.00	0000022 0000001
032	COMM/INST LPG	000000000	THOUS GAL	NOX THC	11.00 0.75	0000000 0000000
033	COMM/INST WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
034	INDUSTRIAL ANTHRACITE	000000000	TON	NOX THC	18.00 0.50	0000000 0000000
035	INDUSTRIAL BITUMINOUS	000000000	TON	NOX THC	15.00 1.00	0000000 0000000
036	INDUSTRIAL RESIDUAL OIL	000003340	THOUS GAL	NOX THC	60.00 1.00	0000091 0000002
037	INDUSTRIAL DISTILLATE OIL	000003100	THOUS GAL	NOX THC	22.00 1.00	0000034 0000002
038	INDUSTRIAL NATURAL GAS	000006530	MIL CU FT	NOX THC	175.00 3.00	0000046 0000001
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 3.00	0000000 0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
041	MILITARY AIRCRAFT	000000000	LHD/TAKE OFF	NOX THC	3.79 22.02	0000000 0000000
042	CIVIL AIRCRAFT	000034191	LHD/TAKE OFF	NOX THC	0.18 0.53	0000003 0000010

TABLE B-1 (continued)

COUNTY:0560

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT L.O.	EMISSION FACTOR	EMISSIONS ESTIMATE
043	COMMERCIAL AIRCRAFT	000000000	LBS/TAKE OFF	NOX THC	41.31 55.98	0000000 0000000
044	RAILROAD LOCOMOTIVES	000002310	THOUS GAL	NOX THC	370.00 94.00	0000427 0000109
045	VESSELS - GASOLINE	000000103	THOUS GAL	NOX THC	49.08 576.68	0000004 0000047
046	VESSELS - DISTILLATE OIL	000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
047	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	0.00 0.00	0000000 0000000
048	OFF-HIGHWAY VEHICLES-GAS	000001106	THOUS GAL	NOX THC	126.58 139.24	0000070 0000077
049	OFF-HIGHWAY VEH - DIESEL	000002500	THOUS GAL	NOX THC	440.00 41.77	0000495 0000047
050	ON-SITE INCINERATION	000000000	TON	NOX THC	3.00 0.27	0000013 0000001
051	OPEN BURNING	000000001	THOUS GAL	NOX THC	19.20 467.20	0000000 0000000
052	STRUCTURAL FIRES	000000000	TON	NOX THC	6.00 31.33	0000009 0000047
053	FIELD/SLASH BURNING	000000000	TON	NOX THC	4.00 24.00	0000001 0000006
054	FOREST FIRES	000000037	TON	NOX THC	4.00 24.00	0000002 0000010
099	COUNTY TOTALS			THC NHC NOX		0002411 0003505 0006927

APPENDIX C

DOCUMENTATION OF THE COMPUTER ROUTINES USED FOR THE NEW JERSEY INVENTORY

As discussed in Section 3, there were several "generic" problems with the New Jersey point source inventory that were addressed by computer routines. The routines used are presented in Table C-1.

TABLE C-1. COMPUTER ROUTINES USED FOR THE NEW JERSEY COUNTIES

```

00000010 //GC=GMNO1 JOB (704,7,1,10)*GC-/R/1F41007*,CLACS=F
00000020 /**
00000030 /** MERGE OF NJ 21 COUNTY FILE FROM STATE WITH AND UPDATED
00000040 /** COUNTIES (S OF NJ)
00000050 /**
00000060 //PARTY3 EXEC DUPEZT1
00000070 //FILE DD DS=EXEDS,UNIT=SYDGA,DISP=(,PASS),
00000080 // DD=EXEDS,UNIT=SYDGA,DISP=(,PASS),
00000090 // SPACE=(CYL,(30,10),-LSF)
00000100 //VLS DD DS=EXEDS,UNIT=SYDGA,DISP=(,PASS),
00000110 FILE NEWS
00000120 COUNTY 7 4
00000130 DEL+COUNT = 5
00000140 *999
00000150 *
00000160 * DELETE FOLLOWING COUNTIES THAT ARE UPDATED SEPARATELY.
00000170 IF COUNTY EQ 0600,0740,1780,0960,4900
00000180 DEL+COUNT = DEL+COUNT + 1
00000190 FLUNK
00000200 IF FILE EQ FILE
00000210 -RIT.
00000220 FILE=DEL+COUNT
00000230 /**
00000240 //COPY EXEC DD=EXEDS,UNIT=SYDGA,DISP=(,PASS),
00000250 //SYDGA DD DS=EXEDS,UNIT=SYDGA,DISP=(,PASS),
00000260 //SYDGA DD DS=EXEDS,UNIT=SYDGA,DISP=(,PASS),
00000270 //SYDGA DD DS=EXEDS,UNIT=SYDGA,DISP=(,PASS),
00000280 //SYDGA DD DS=EXEDS,UNIT=SYDGA,DISP=(,PASS),
00000290 //SYDGA DD DS=EXEDS,UNIT=SYDGA,DISP=(,PASS),
00000300 //SYDGA DD DS=EXEDS,UNIT=SYDGA,DISP=(,PASS),
00000310 //SYDGA DD DS=EXEDS,UNIT=SYDGA,DISP=(,PASS),
00000320 //SYDGA DD DS=EXEDS,UNIT=SYDGA,DISP=(,PASS),

```

TABLE C-1 (continued)

```

00000001 //SCG4XUD U3 (6304,TAAT,1,10),*GC4/B/1,141014*,CLASS=F
00000002 //*
00000003 //* REPAIR THE I.O. DATA AS MUCH AS POSSIBLE.
00000004 //*
00000005 //UD LACC RCAFZY1
00000006 //FILE= DD DS=GC4,FT,ISPT,4CDS,UDCF,X,DISP=(R,C,CATLG),
00000007 // UNIT=TAPE,VL=EL=EXFJT=9-000,
00000008 // DD=(ACOF=FS,LRLCL=1,PLKSIZ=80,10)
00000009 //FEB DD DS=GC4,FT,ISPT,4CDS,UDCF,X,DISP=F
00000010 FILE=DD
00000011 KATZ 1 28 W CD*AT AC 1
00000012 UTZ 15 2
00000013 FIB 28 3 FIB 28 3 FIB 28 3 SE 32 3 N 32 3 N
00000014 FIB 34 3 FIB 41 3 FIB 44 3 CIB 47 3 N CIB 50 3 N
00000015 FIB 57 3 FIB 59 3 FIB 64 3 FIB 67 3 N FIB 70 3 N
00000016 FIB 74 3 FIB 77 3 FIB 82 3 N FIB 85 3 N FIB 88 3 N
00000017 FIB 91 3 FIB 94 3 FIB 97 3 FIB 100 3 FIB 103 3
00000018 FIB 106 3 FIB 109 3 FIB 112 3 FIB 115 3 FIB 118 3
00000019 FIB 121 3 FIB 124 3 FIB 127 3 FIB 130 3 FIB 133 3
00000020 FIB 136 3 FIB 139 3 FIB 142 3 FIB 145 3 FIB 148 3
00000021 FIB 151 3 FIB 154 3 FIB 157 3 FIB 160 3 FIB 163 3
00000022 FIB 166 3 FIB 169 3 FIB 172 3 FIB 175 3 FIB 178 3
00000023 FIB 181 3 FIB 184 3 FIB 187 3 FIB 190 3 FIB 193 3
00000024 FIB 196 3 FIB 199 3 FIB 202 3 FIB 205 3 FIB 208 3
00000025 FIB 211 3 FIB 214 3 FIB 217 3 FIB 220 3 FIB 223 3
00000026 FIB 226 3 FIB 229 3 FIB 232 3 FIB 235 3 FIB 238 3
00000027 FIB 241 3 FIB 244 3 FIB 247 3 FIB 250 3 FIB 253 3
00000028 FIB 256 3 FIB 259 3 FIB 262 3 FIB 265 3 FIB 268 3
00000029 FIB 271 3 FIB 274 3 FIB 277 3 FIB 280 3 FIB 283 3
00000030 FIB 286 3 FIB 289 3 FIB 292 3 FIB 295 3 FIB 298 3
00000031 FIB 301 3 FIB 304 3 FIB 307 3 FIB 310 3 FIB 313 3
00000032 FIB 316 3 FIB 319 3 FIB 322 3 FIB 325 3 FIB 328 3
00000033 FIB 331 3 FIB 334 3 FIB 337 3 FIB 340 3 FIB 343 3
00000034 FIB 346 3 FIB 349 3 FIB 352 3 FIB 355 3 FIB 358 3
00000035 FIB 361 3 FIB 364 3 FIB 367 3 FIB 370 3 FIB 373 3
00000036 FIB 376 3 FIB 379 3 FIB 382 3 FIB 385 3 FIB 388 3
00000037 FIB 391 3 FIB 394 3 FIB 397 3 FIB 400 3 FIB 403 3
00000038 FIB 406 3 FIB 409 3 FIB 412 3 FIB 415 3 FIB 418 3
00000039 FIB 421 3 FIB 424 3 FIB 427 3 FIB 430 3 FIB 433 3
00000040 FIB 436 3 FIB 439 3 FIB 442 3 FIB 445 3 FIB 448 3
00000041 FIB 451 3 FIB 454 3 FIB 457 3 FIB 460 3 FIB 463 3
00000042 FIB 466 3 FIB 469 3 FIB 472 3 FIB 475 3 FIB 478 3
00000043 FIB 481 3 FIB 484 3 FIB 487 3 FIB 490 3 FIB 493 3
00000044 FIB 496 3 FIB 499 3 FIB 502 3 FIB 505 3 FIB 508 3
00000045 FIB 511 3 FIB 514 3 FIB 517 3 FIB 520 3 FIB 523 3
00000046 FIB 526 3 FIB 529 3 FIB 532 3 FIB 535 3 FIB 538 3
00000047 FIB 541 3 FIB 544 3 FIB 547 3 FIB 550 3 FIB 553 3
00000048 FIB 556 3 FIB 559 3 FIB 562 3 FIB 565 3 FIB 568 3
00000049 FIB 571 3 FIB 574 3 FIB 577 3 FIB 580 3 FIB 583 3
00000050 FIB 586 3 FIB 589 3 FIB 592 3 FIB 595 3 FIB 598 3
00000051 FIB 601 3 FIB 604 3 FIB 607 3 FIB 610 3 FIB 613 3
00000052 FIB 616 3 FIB 619 3 FIB 622 3 FIB 625 3 FIB 628 3
00000053 FIB 631 3 FIB 634 3 FIB 637 3 FIB 640 3 FIB 643 3
00000054 FIB 646 3 FIB 649 3 FIB 652 3 FIB 655 3 FIB 658 3
00000055 FIB 661 3 FIB 664 3 FIB 667 3 FIB 670 3 FIB 673 3
00000056 FIB 676 3 FIB 679 3 FIB 682 3 FIB 685 3 FIB 688 3
00000057 FIB 691 3 FIB 694 3 FIB 697 3 FIB 700 3 FIB 703 3
00000058 FIB 706 3 FIB 709 3 FIB 712 3 FIB 715 3 FIB 718 3
00000059 FIB 721 3 FIB 724 3 FIB 727 3 FIB 730 3 FIB 733 3
00000060 FIB 736 3 FIB 739 3 FIB 742 3 FIB 745 3 FIB 748 3
00000061 FIB 751 3 FIB 754 3 FIB 757 3 FIB 760 3 FIB 763 3
00000062 FIB 766 3 FIB 769 3 FIB 772 3 FIB 775 3 FIB 778 3
00000063 FIB 781 3 FIB 784 3 FIB 787 3 FIB 790 3 FIB 793 3
00000064 FIB 796 3 FIB 799 3 FIB 802 3 FIB 805 3 FIB 808 3
00000065 FIB 811 3 FIB 814 3 FIB 817 3 FIB 820 3 FIB 823 3
00000066 FIB 826 3 FIB 829 3 FIB 832 3 FIB 835 3 FIB 838 3
00000067 FIB 841 3 FIB 844 3 FIB 847 3 FIB 850 3 FIB 853 3
00000068 FIB 856 3 FIB 859 3 FIB 862 3 FIB 865 3 FIB 868 3
00000069 FIB 871 3 FIB 874 3 FIB 877 3 FIB 880 3 FIB 883 3
00000070 FIB 886 3 FIB 889 3 FIB 892 3 FIB 895 3 FIB 898 3
00000071 FIB 901 3 FIB 904 3 FIB 907 3 FIB 910 3 FIB 913 3
00000072 FIB 916 3 FIB 919 3 FIB 922 3 FIB 925 3 FIB 928 3
00000073 FIB 931 3 FIB 934 3 FIB 937 3 FIB 940 3 FIB 943 3
00000074 FIB 946 3 FIB 949 3 FIB 952 3 FIB 955 3 FIB 958 3
00000075 FIB 961 3 FIB 964 3 FIB 967 3 FIB 970 3 FIB 973 3
00000076 FIB 976 3 FIB 979 3 FIB 982 3 FIB 985 3 FIB 988 3
00000077 FIB 991 3 FIB 994 3 FIB 997 3 FIB 1000 3 FIB 1003 3
00000078 FIB 1006 3 FIB 1009 3 FIB 1012 3 FIB 1015 3 FIB 1018 3
00000079 FIB 1021 3 FIB 1024 3 FIB 1027 3 FIB 1030 3 FIB 1033 3
00000080 FIB 1036 3 FIB 1039 3 FIB 1042 3 FIB 1045 3 FIB 1048 3
00000081 FIB 1051 3 FIB 1054 3 FIB 1057 3 FIB 1060 3 FIB 1063 3
00000082 FIB 1066 3 FIB 1069 3 FIB 1072 3 FIB 1075 3 FIB 1078 3
00000083 FIB 1081 3 FIB 1084 3 FIB 1087 3 FIB 1090 3 FIB 1093 3
00000084 FIB 1096 3 FIB 1099 3 FIB 1102 3 FIB 1105 3 FIB 1108 3
00000085 FIB 1111 3 FIB 1114 3 FIB 1117 3 FIB 1120 3 FIB 1123 3
00000086 FIB 1126 3 FIB 1129 3 FIB 1132 3 FIB 1135 3 FIB 1138 3
00000087 FIB 1141 3 FIB 1144 3 FIB 1147 3 FIB 1150 3 FIB 1153 3
00000088 FIB 1156 3 FIB 1159 3 FIB 1162 3 FIB 1165 3 FIB 1168 3
00000089 FIB 1171 3 FIB 1174 3 FIB 117
```

TABLE C-1 (continued)

```

00000570 IF PE05 EQ *.000,099 THEN PE03 = 011
00000580 SCHFCK:
00000590 * ... S02 DEFAULT CONTROL CODE.
00000600 IF SEFF EQ 000 THEN GO TO NCHECK
00000610 IF SE04 EQ *.000,099 THEN SE04 = 013
00000620 IF SE05 EQ *.000,099 THEN SE03 = 013
00000630 * ... N02 DEFAULT.
00000640 NCHECK:
00000650 IF SEFF EQ 000 THEN GO TO MCHECK
00000660 IF SE04 EQ *.000,099 THEN SE04 = 013
00000670 IF SE05 EQ *.000,099 THEN SE03 = 013
00000680 * ... M02 DEFAULT.
00000690 MCHECK:
00000700 IF SEFF EQ 000 THEN GO TO CCHECK
00000710 IF SE04 EQ *.000,099 THEN SE04 = 021
00000720 IF SE05 EQ *.000,099 THEN SE03 = 021
00000730 * ... C02 DEFAULT.
00000740 CCHECK:
00000750 IF SEFF EQ 000 THEN GO TO DD00*3
00000760 IF SE04 EQ *.000,099 THEN SE04 = 021
00000770 IF SE05 EQ *.000,099 THEN SE03 = 021
00000780 *
00000790 DD00*3:
00000800 ***** CHECK D0 *****
00000810 IF SE04 NOT NUMERIC THEN
00000820 SE04 = 000
00000830 SEFF = 000
00000840 IF SE05 NOT NUMERIC THEN
00000850 SE05 = 000
00000860 SEFF = 000
00000870 IF SE06 NOT NUMERIC THEN
00000880 SE06 = 000
00000890 SEFF = 000
00000900 IF SE07 NOT NUMERIC THEN
00000910 SE07 = 000
00000920 SEFF = 000
00000930 IF SE08 NOT NUMERIC THEN
00000940 SE08 = 000
00000950 SEFF = 000
00000960 IF SE09 NOT NUMERIC THEN
00000970 SE09 = 000
00000980 SEFF = 000
00000990 IF SE10 NOT NUMERIC THEN
00001000 SE10 = 000
00001010 SEFF = 000
00001020 IF SE11 NOT NUMERIC THEN
00001030 SE11 = 000
00001040 SEFF = 000
00001050 IF SE12 NOT NUMERIC THEN
00001060 SE12 = 000
00001070 SEFF = 000
00001080 IF SE13 NOT NUMERIC THEN
00001090 SE13 = 000
00001100 SEFF = 000
00001110 *
00001120 IF FILE LG FILE
00001130 SUCCESS
00001140 *
00001150 ***** CHECK CARD 5 ALLOWABLE EMISSIONS.
00001160 CT*3:
00001170 IF CO*40 NO 5 THEN GO TO RT*5
00001180 IF FALL*5 NOT NUMERIC THEN FALL*5 = *

```

TABLE C-1 (continued)

```

00001150 IF SALLOW NOT NUMERIC THEN SALLOW = *
00001200 IF HALLOW NOT NUMERIC THEN HALLOW = *
00001210 IF HALLOW NOT NUMERIC THEN HALLOW = *
00001220 IF CALLOW NOT NUMERIC THEN CALLOW = *
00001230 *
00001240 IF FILE E2 FILE
00001250 SUCCESS
00001260 *
00001270 NOT*5:
00001280 IF CO*NO NO 6 THEN GO TO NOT*6
00001290 IF FUEL EQ (******) OR FUEL EQ ( *****) OR FUEL EQ * THEN
00001290 FUEL = 0000000
00001291 NOT*5:
00001300 *
00001310 IF CO*NO NO 2 THEN GO TO NOT*2
00001320 IF FILE F3 FILE THEN
00001330 DULO = DIAM
00001340 * ..... CHECK STACK TEMP. AND FIX DIAMETER FIELD.
00001350 IF TEMP LT 70 THEN TEMP EQ 70
00001360 IF HEIGHTA = *.0 OR HEIGHTA NOT NUMERIC THEN GO TO NOT*2
00001370 IF DIAMA = *.0 OR DIAMA NOT NUMERIC THEN GO TO NOT*2
00001380 *
00001390 * ... SKIP DIAM. CHECK IF D < 1/5*H
00001400 IF FILE E9 FILE THEN
00001410 DMAX = HEIGHT * 0.2
00001420 IF DIAM LE DMAX THEN GO TO NOT*2
00001430 IF FILE E9 FILE THEN
00001440 * ..... DMAX IS VALUE OF TENS COL. FOR DIAM. COMPUTED AS
00001450 * ..... 1/5TH OF STACK HEIGHT.
00001460 DMAX = HEIGHT * 0.02
00001470 DTERNU = DTERNU / 10
00001480 *
00001490 IF DMAX GT 9 THEN DMAX = 9
00001500 IF FILE E9 FILE THEN
00001510 DIAM = 10 * DMAX + DTERNU
00001520 * PRINT (4,OLD D,NEW D,DMAX) HEIGHT-20 DULO-30 DIAM-35 DMAX-40
00001530 NOT*2:
00001540 IF FILE E9 FILE
00001550 SUCCESS
00001560 *
00001570 WRITE

```

TABLE C-1 (continued)

```

00000030 //PIC EXEC PLIXCLG,FAIR,PLI='A,AG,DF,HEST,STMI,CS(48)',
00000040 // FAIR.LKED=1,MAP
00000050 HSELECT: /* SELECT FACILITIES FROM NEOS FILE */
00000060 PROCEDURE OPTIONS (MAIN);
00000070 /*****
00000080 /* LOCATE NEOS FACILITIES WITH EMISSIONS EXCEEDING SPECIFIED */
00000090 /* CUT OFF LEVELS FOR ANY COMBINATION OF THE CRITERIA POLLUTANTS.*/
00000100 /* FACILITIES WHICH EXCEED THE CUTOFFS ARE LISTED IN 'HITPR1'*/
00000110 /* AND JUMPED TO 'NEOSOUT' FILE.
00000120 /* ---- INPUT ----
00000130 /* FILE SYSIN = JOB TITLE (47 CHAR.)
00000140 /* FILE STTOS = STATE NAME,NEOS 'A'.
00000150 /* EX. 'RHODE ISLAND' 41
00000160 /* ** SORTED BY STATE NO. ORDER **
00000170 /* FILE PBLUT = POLL. CODE, CUT OFF LEVEL(T/YR)
00000180 /* EX. 'NO' 500 'TSP' 100
00000190 /* ** VALID CODES ARE: TSP,SO2, CO,NO2,C **
00000200 /* NOTE THAT IF ANY CRITERIA IS SATISFIED THEN THE
00000210 /* FACILITY IS 'SELECTED'.
00000220 /* CHECK ONLY 1 STATE/FILE. INPUT PER LINE IF 'MULTIPLE' DATA.
00000230 /*****
00000240 DECLARE
00000250 NEOS_FUP (1000) CHAR(40) STATIC EXT,
00000260 PBLUT_FI (31) STATIC EXT,
00000270 PBLUT_FU (30) CHAR(30) STATIC EXT,
00000280 (CRS_IN,CRS_OUT,
00000290 CUTOFF,PLI_FX(5),
00000300 FOUT(5)) FIXED BIN(31) STATIC EXT INIT(0),
00000310 F_IN(10) CHAR(3) STATIC EXT;
00000320 DECLARE
00000330 SYSIN FILE INPUT RECD=0,
00000340 STTOS FILE OUTPUT RECD=0,
00000350 HITPR1 FILE OUTPUT PRINT,
00000360 (STATS,
00000370 PBLUT) FILE INPUT STREAM;
00000380 DECLARE
00000390 NEOS_FULL(5) CHAR(3) INIT('TSP','SO2','CO','NO2','C'),
00000400 (CUTOFF,CRS_IN) INIT(1),
00000410 STATE_STALL BIT(1),
00000420 LKED BIT(1),
00000430 TITLE CHAR(40),
00000440 PBLUT_IN (5) CHAR(4) INIT((5)(1)*****),
00000450 (CUTOFF,PLI_FX,
00000460 PBLUT_FI,
00000470 STATE_FOUT(1),
00000480 STATE_FU(10,1),
00000490 STATE_FOUT FIXED BIN(10) INIT(0),
00000500 * X_CUTOFF FIXED BIN(10) INIT(0),
00000510 * X_STAT_IN FIXED BIN(10) INIT(0),
00000520 STATE CHAR(4),
00000530 CITE CUTOFF,
00000540 STATE_FU(10) CHAR(15);
00000550 DECLARE
00000560 (STATE PIC '99',
00000570 (TOTALS(5),STATE_TOTALS(5)) FIXED PI(31),
00000580 TSP_CODE CHAR(5) DEF TSPRD,
00000590 1 TSPRD,
00000600 2 TSTAT PIC '99',
00000610 2 TCTY PIC 'ZZ99',

```

TABLE C-1 (continued)

```

00000620      2 TAGCR      PIC '999',
00000630      2 TPLANT    CHAR(4),
00000640      2 FILL1     CHAR(5),
00000650      2 TFAO     CHAR(40),
00000660      2 FILL2     CHAR(199),
00000670  DECLARE
00000680      (S_ERR,P_ERR) CONDITION,
00000690      (CUTOFF,NEXTFAC) ENTRY;
00000700      /* C=UNITS, CONDITIONS, AND SO ON */
00000710  ON ENDFILE (STATS) MORE = '0'9;
00000720  ON ENDFILE (NEOSIN) MORE_1 = '0'0;
00000730  ON ENDFILE (POLLUT) MORE = '0'5;
00000740  ON ENDPAGE (HITRPT) BEGIN;
00000750      PAGE_CT = PAGE_CT + 1;
00000760      PUT FILE (HITRPT) PAGE EDIT
00000770          (DATE,TITLE,'PAGE',PAGE_CT,
00000780           'LARGE FACILITIES SELECTED',PFR*,
00000790           STATE_NAME(ST_1DXX))
00000800           (SKIP(2),COL(13),A(5),COL(31),A,COL(95),A,
00000810           F(4),SKIP,COL(39),A,SKIP,COL(45),A,(1),A);
00000820      PUT FILE (HITRPT) SKIP(2) EDIT
00000830          (COL_POLL(1) ON 1=1 TO 5))
00000840          (COL(70),5)(A(3),Y(5))
00000850          ('STATE','COUNTY','AGENCY','PLANT','FACILITY',
00000860           '('',P_SIRI,P(1),')' ON 1=1 TO 5))
00000870          (COL(2),A,COL(8),A,COL(15),A,COL(20),A,COL(27),A,COL(30),
00000880           5)(A(1),A(4),A(1),A(7)));
00000890      DO;
00000900  ON CONDITION (S_ERR) BEGIN;
00000910      PUT SKIP(2) LIST (**** INPUT ERROR ON STATE INPUT,STOP);
00000920      GO TO FINISH;
00000930      END;
00000940  ON CONDITION (P_ERR) BEGIN;
00000950      PUT SKIP(2) LIST (*** INPUT ERROR ON POLLUT, IF INPUT,STOP*,
00000960       'INVALID POLLUTANTS ARE',NEOS_POLL);
00000970      GO TO FINISH;
00000980      END;
00000990      /* INITI-LIST */
00001000  MORE = '1'0;
00001010  MORE_1 = '1'0;
00001020  GET DATE (TITLE) (COL(1),A(40));
00001030  DATE = SUBSTR(DATE,3,2) || '/' || SUBSTR(DATE,5,2) || '/'
00001040      || SUBSTR(DATE,7,2);
00001050      /* REAL STATES, NAMES AND CODES */
00001060  PUT FILL LIST ('STATES SPECIFIED NAME,CODE');
00001070  GET FILE (STATS) LIST (STATE_NAME(1),STATE_NO(1));
00001080  DO WHILE (N RE);
00001090      I = I + 1;
00001100      PUT SKIP LIST (STATE_NAME(I),STATE_NO(I),
00001110       'IF STATE_NO(I) > MAX_STATE_NO THEN
00001120       SIGNAL COND(S_ERR);
00001130       IF I > MAX_STATE_NO(1) < STATE_NO(I-1) THEN
00001140       SIGNAL COND(S_ERR);
00001150       GET FILE(STATS) SKIP LIST (STATE_NAME(I+1),STATE_NO(I+1));
00001160       IF I = MAX_STATE_NO THEN MORE='0'0;
00001170      END;
00001180  STATE_CT = I;
00001190      /* POLLUTANT AND CUTOFF READ */
00001200  MORE = '1'0;
00001210  I = 0;
00001220  PUT SKIP(2) LIST ('POLLUTANT','CUTOFF LEVEL(Y)',
00001230       'NEOS INDEX');

```


TABLE C-1 (continued)

```

00001240 GET FILE (POLLUT) LIST (P_NAME(I),P_CUT(I));
00001250 DO WHILE (MORE & I <= 5);
00001260   I = I+1;
00001270   DO J = 1 TO 5;
00001280     IF P_NAME(I) = NEDS_POLL(J) THEN P_INDX(I)=J;
00001290   END;
00001300   IF P_INDX(I)=0 THEN SIGNAL COND(P_ERR);
00001310   PUT SKIP LIST (P_NAME(I),P_CUT(I),P_INDX(I));
00001320   /* PUT CUTOFF LEVEL IN REPORT STRING */
00001330   PUT STRING (P_STRING(P_INDX(I))) EDIT
00001340   (P_CUT(I)) (F(4));
00001350   GET FILE (POLLUT) SKIP LIST(P_NAME(I+1),P_CUT(I+1));
00001360 END;
00001370 P_TCT = I;
00001380 /* ----- */
00001390 /* BEGIN READ OF NEDS FILE */
00001400 /* ----- */
00001410 MORE = '1'B;
00001420 READ FILE (NEDSIN) INTO (MAS_BUF);
00001430 STATE_L:
00001440 DO ST_INDX = 1 TO STATE_CNT WHILE (MORE);
00001450   SIGNAL ENDPAGE(MITRPT);
00001460   STATE_TOTALS = 0;
00001470   /* SPACE TO FIRST CARD FOR STATE */
00001480   SKIPP:
00001490     IF NOT MORE_N THEN GO TO END_STATES;
00001500     NSTATE = STATE_NO(ST_INDX);
00001510     TEMP_CARD = MAS_BUF;
00001520     DO WHILE (MORE_N & TSTATE < NSTATE);
00001530       READ FILE (NEDSIN) INTO (TEMP_CARD);
00001540     END;
00001550     /* CHECK IF READ PAST THE STATE */
00001560     IF TSTATE > NSTATE THEN
00001570       DO;
00001580         PUT SKIP(2) EDIT
00001590         (****STATE *,STATE_NAME(ST_INDX),STATE_NO(ST_INDX),
00001600          * IS NOT FOUND,KARD:*,TEMP_CARD)
00001610         (COL(1),A,A,F(5),A,SKIP,A(6));
00001620         MAS_BUF = TEMP_CARD;
00001630         GO TO END_STATE;
00001640       END;
00001650     /* CHECK IF REACHED END OF FILE */
00001660     IF NOT MORE_N THEN
00001670       DO;
00001680         PUT SKIP(2) EDIT
00001690         (*** END OF NEDS INPUT DURING STATE SEARCH,**
00001700          *LAST CARD:*,TEMP_CARD)
00001710         (A,A,SKIP,A(6))
00001720         (*STATE:*,STATE_NAME(ST_INDX),
00001730          STATE_NO(ST_INDX))
00001740         (SKIP,A,A,F(6));
00001750         GO TO FINISH;
00001760       END;
00001770 /*-----*/
00001780 /* HAVE STATE MATCH,*TEMP_CARD* IS 1ST */
00001790 /*-----*/
00001800 MAS_BUF = TEMP_CARD;
00001810 SAME_STATE = '1'B;
00001820 CALL NEXTFAC(MORE);
00001830 SAME:
00001840   /* LOOP ON THIS STATE */
00001850   DO WHILE (SAME_STATE);

```

TABLE C-1 (continued)

```

00001860      STATE_FAC(ST_INDX,1) = STATE_FAC(ST_INDX,1) * 1;
00001870      /* CHECK IF CUTOFF LEVELS EXCEEDED */
00001880      CALL CUTOFF(EXCEED,TOTALS);
00001890      IF EXCEED THEN
00001900          BIG_ONE:
00001910              DO;
00001920                  TEMP_CARD = NED_BUF(1);
00001930                  STATE_FAC(ST_INDX,2) = STATE_FAC(ST_INDX,2) + 1;
00001940                  /* ADD POLLUTANT TOTALS */
00001950                  DO I = 1 TO 5;
00001960                      STATE_TOTALS(I) = STATE_TOTALS(I) + TOTALS(I);
00001970                  END;
00001980                  /* OUTPUT BUFFER AND PRINT SUMMARY LINE */
00001990                  CALL BUF_WRT;
00002000                  PUT FILE (HITRPT) SKIP EDIT
00002010                      (STATE,TCNTY,TADCR,TPLANT,TFAC,TOTALS(I)
00002020                      DO I = 1 TO 5))
00002030                      (COL(3),F(2),COL(8),F(4),COL(15),F(3),COL(20),
00002040                      A(4),COL(25),A(40),S(5)(Y(2),F(17)));
00002050                  END BIG_ONE;
00002060                  IF MORE THEN CALL NEXTFAC(MORE);
00002070                  ELSE SAME_STATE = '0'B;
00002080                  /* CHECK IF NEXT FACILITY IS IN SAME STATE */
00002090                  TEMP_CARD = NED_BUF(1);
00002100                  IF TSTATE NE STATE_NO(ST_INDX) THEN SAME_STATE = '0'B;
00002110                  END SAME;
00002120          END_STATES:
00002130              /* WRITE STATE TOTALS */
00002140              PUT FILE (HITRPT) SKIP(2) EDIT
00002150                  ('TOTALS',STATE_TOTALS) (COL(15),A,COL(65),
00002160                  (S)(X(1),F(4)));
00002170          END STATE_L;
00002180      FINISH:
00002190      /*----- END OF STATE PROCESSING -----*/
00002200      PUT PAGE EDIT ('NO. FACILITIES FOUND/EXCEED ',
00002210      'CUTOFF LEVELS') (SKIP(2),COL(1),A,4);
00002220      DO I = 1 TO STATE_CNT;
00002230          PUT SKIP EDIT
00002240              (STATE_NAME(I),STATE_FAC(I,J) DO J=1 TO 5)
00002250              (COL(1),A,COL(17),F(5),COL(25),F(5));
00002260          END;
00002270          PUT SKIP(2) EDIT ('----- FOR STATES MATCHED -----') (A)
00002280              ('CARDS IN:',CDS_IN) (SKIP,A,F(5))
00002290              ('CARDS OUT:',CDS_OUT) (SKIP,A,F(5));
00002300      /*=====*/
00002310      /* WRITE FACILITY BUFFER TO OUTPUT FILE. =====*/
00002320      /*=====*/
00002330      BUF_WRT: PROC;
00002340          DECLARE
00002350              I      FIXED BIN(15);
00002360              CDS_OUT = CDS_OUT + NBUF_CT;
00002370              DO I = 1 TO NBUF_CT;
00002380                  WRITE FILE (NEDSOUL) FROM (NED_BUF(I));
00002390              END;
00002400          RETURN;
00002410      END BUF_WRT;
00002420      END MSELECT;
00002430      *PROCESS:
00002440      NEXTFAC: /* READ CARDS FOR NEXT FACILITY */
00002450          PROC (MORE_N);
00002460          DECLARE
00002470              NED_BUF(1500) CHAR(80) STATIC EXT;

```

TABLE C-1 (continued)

```

00002480      MAS_BUF      CHAR(80) STATIC EXT.
00002490      (NBUF_CT,
00002500      CDS_IN)      FIXED BIN(31) STATIC EXT;
00002510      DECLARE
00002520      RECSIN      FILE INPUT RECORD.
00002530      MORE_IN     BIT(1).
00002540      IDBUF       CHAR(13).
00002550      KARD        CHAR(80).
00002560      MAX_CARD    FIXED BIN(15) INIT(1500).
00002570      I          FIXED BIN(15).
00002580      1 KARD2 DEF KARD.
00002590      2 KIDBUF    CHAR(13).
00002600      2 FILL      CHAR(67).
00002610      ON ENDFILE (RECSIN) BEGIN;
00002620      MORE_IN = '0';
00002630      GO TO END_PG1;
00002640      END;
00002650      /* UPON ENTRY, MAS_BUF IS FIRST CARD OF THIS FACILITY */
00002660      /* UPON LEAVING, MAS_BUF IS FIRST CARD OF NEXT FACILITY */
00002670      NED_BUF(1) = MAS_BUF;
00002680      NBUF_CT = 1;
00002690      IDBUF = SUBSTR(MAS_BUF,1,13);
00002700      READ FILL (RECSIN) INTO (KARD);
00002710      DO WHILE (KIDBUF = IDBUF);
00002720      /* CHECK MAXIMUM ALLOWED IN BUFFER. */
00002730      IF NBUF_CT = MAX_CARD THEN
00002740      DO;
00002750      PUT SKIP(0) EDIT ('**EXCEED MAX. RECS COUNT:',
00002760      KARD) (4,4(80));
00002770      END;
00002780      ELSE
00002790      DO;
00002800      NBUF_CT = NBUF_CT + 1;
00002810      NED_BUF(NBUF_CT) = KARD;
00002820      END;
00002830      READ FILL (RECSIN) INTO (KARD);
00002840      END;
00002850      /* SAVE FIRST CAR. OF NEXT FACILITY */
00002860      MAS_BUF = KARD;
00002870      CDS_IN = CDS_IN + NBUF_CT;
00002880      END_PG1;
00002890      /****** DEBUG ******/
00002900      /*PUT SKIP(0) LIST ('LEAVING NEXT FAC, COUNT:', NBUF_CT);
00002910      DO I = 1 TO NBUF_CT;
00002920      PUT SKIP LIST (NED_BUF(I));
00002930      END; */
00002940      /******
00002950      RETURN;
00002960      END PLXTRC;
00002970      **PROCESS;
00002980      CUTOFF: /* CHECK FACILITY AGAINST POLL. CUTOFF LEVELS */
00002990      EXCED (EXCLED, TOTALS);
00003000      DECLARE
00003010      EXCLED BIT(1).
00003020      TOTALS(1) FIXED BIN(31).
00003030      (I,J).
00003040      (KART) FIXED BIN(31).
00003050      (CUT(5).
00003060      (INCN(5).
00003070      (TOT) FIXED BIN(31) STATIC EXT.
00003080      KARD2 CHAR(80).
00003090      1 KART DEF KARD2.

```

TABLE C-1 (continued)

```

00003000      2 FILL CHAR(5).
00003010      2 G(5) CH F(7).
00003020      2 FILL CHAR(14).
00003030      2 G(14) CH F(13).
00003040      DECLARE
00003050          CO_SUP (15,0) CHAR(10) STATIC EXT,
00003060          COF_COT      FIXED BIN(31) STATIC EXT;
00003070          /* INITIALIZE */
00003080      EXCISE = 0;
00003090      TOTALS = 0;
00003100  ELOOP:
00003110      DO I = 1 TO COF_COT;
00003120          /* FIND CUTOFF */
00003130          COF_COT = CO_SUP(I);
00003140          IF COF_COT = 0 THEN
00003150              GOTO 1;
00003160              DO J = 1 TO F;
00003170                  IF G(J) = 0 THEN G(J) = 0;
00003180                  SET STR1 = G(J) LEFT (5) (5);
00003190                  TOTALS(J) = I * TOTALS(J) + COF_COT;
00003200              END DO;
00003210          END COF_COT;
00003220          /* CHECK FOR EXCEEDING SPECIFIED CUTOFF LEVELS */
00003230          DO I = 1 TO F;
00003240              IF G(I) < TOTALS(I) THEN EXCISE = 1;
00003250          END DO;
00003260          /****** DELETED ******/
00003270          /* SET EXCISE TO DATA(4) EXCEEDED(1, TOTALS) */
00003280          EXCISE = 1;
00003290          /* CUTOFF */
00003300          /* ***** */
00003310          /* ***** */
00003320          /* ***** */
00003330          /* ***** */
00003340          /* ***** */
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00003980          /* ***** */
00003990          /* ***** */
00004000          /* ***** */
00004010          /* ***** */
00004020          /* ***** */
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00004040          /* ***** */
00004050          /* ***** */
00004060          /* ***** */
00004070          /* ***** */
00004080          /* ***** */
00004090          /* ***** */
00004100          /* ***** */
00004110          /* ***** */
00004120          /* ***** */
00004130          /* ***** */
00004140          /* ***** */
00004150          /* ***** */
00004160          /* ***** */
00004170          /* ***** */
00004180          /* ***** */
00004190          /* ***** */
00004200          /* ***** */
00004210          /* ***** */
00004220          /* ***** */
00004230          /* ***** */
00004240          /* ***** */
00004250          /* ***** */
00004260          /* ***** */
00004270          /* ***** */
00004280          /* ***** */
00004290          /* ***** */
00004300          /* ***** */
00004310          /* ***** */
00004320          /* ***** */
00004330          /* ***** */
00004340          /* ***** */
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00004360          /* ***** */
00004370          /* ***** */
00004380          /* ***** */
00004390          /* ***** */
00004400          /* ***** */
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00004680          /* ***** */
00004690          /* ***** */
00004700          /* ***** */
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00004980          /* ***** */
00004990          /* ***** */
00005000          /* ***** */

```

APPENDIX D

COMPARISON OF NECRMP INVENTORY FOR NEW JERSEY AND REVISED (AUGUST, 1982) NEW JERSEY OZONE SIP INVENTORY

Following preparation of the first NECRMP draft report for New Jersey, NJDEP submitted a revised ozone SIP inventory. At that time a review was made of the NECRMP data for New Jersey and numerous differences between the revised New Jersey SIP inventory and the NECRMP inventory for New Jersey were noted. These are summarized in Attachments I to IX which follow. A more comprehensive discussion of these differences can be found in Volume XVIII of the NECRMP series.

ATTACHMENT I

SOURCE ADDED TO OR DELETED FROM NEW JERSEY'S AUGUST 1982 SIP E/I

County	Source Name	SIP Emissions	Added/Deleted
0300	American Biltrite	482	Added
	Fein Container	142	Added
1380	Bayonne Barrel and Drum	236	Added
	Georgia Pacific	1413	Added
	Central Steel and Drum	150	Added
3060	AMAX - U.S. Metals Refinery	863	Added
3900	Meenan Oil	115	Deleted
2240	Kearny Steel Container	114	Added
	Levelor Lorentzen	327	Added

Note

In July 1982 NJDEP was informed by EPA of an error in the Mobile 2 program used for determining mobile source emission factors. The Department's Bureau of Vehicular and Transportation Programs contacted EPA-Ann Arbor and obtained proposed corrections to Mobile 2, the results of which are shown on the attached memorandum from Cowperthwait to Elston, dated July 27, 1982. The proposed corrections were applied to the HC mobile source figures contained in this attachment resulting in the revised figures shown in Table 1 (attached). No change was made to CO since the proposed correction for this pollutant was considered insignificant by both EPA and NJDEP.

John Elston

FROM: Dan Cowperthwait
320 Scotch Road, W. Trenton

MOBILE 2 Correction

DATE: 7/27/82 PHONE: 292-6714

As requested, Bob Darrow has contacted Dave Brezinski of EPA's Ann Arbor office. Although EPA is still internally reviewing the proposed corrections to MOBILE 2, Brezinski has provided us with some numbers by telephone. EPA will not release any written material.

The following table summarizes the impacts of the proposed correction:

<u>Pollutant</u>	<u>Cal.Year</u>	<u>Uncorrected Grams/Mile</u>	<u>Corrected Grams/Mile</u>	<u>Percent Change</u>
HC	1980	3.13	3.61	+ 15.3
CO	1980	26.44	26.20	- 0.9
HC	1987	1.12	1.22	+ 8.9
CO	1987	12.53	12.38	- 1.2

If the Division desires to incorporate the impacts of the EPA MOBILE 2 correction in the 1982 SIP without rerunning a corrected MOBILE 2, then I recommend that our mobile source inventories be corrected by the factors summarized above.


D.C.

C T. Juchnowski
R. Darrow

ATTACHMENT II (continued)

Table 1

Revised VOS Emissions
from Mobile Sources (kg/day)

	<u>1980</u>	<u>1987</u>
NJ-NY-Conn Interstate AQCR		
Bergen	68,432	27,986
Essex	50,854	20,596
Hudson	23,759	11,111
Middlesex	59,423	23,998
Monmouth	39,175	17,170
Morris	29,986	12,463
Passaic	31,318	13,435
Somerset	18,916	8,653
Union	42,739	19,003
Regional Total	364,602	154,415
Metro Philadelphia Interstate AQCR		
Burlington	23,781	10,243
Camden	25,951	11,732
Gloucester	11,985	5,777
Mercer	16,876	8,048
Salem	6,105	2,968
Regional Total	84,698	38,768
New Jersey Intrastate AQCR		
Atlantic	15,929	6,868
Cape May	5,424	2,517
Cumberland	8,058	3,584
Ocean	18,720	8,232
Regional Total	48,131	21,201
N.E. Pa-Upper Del. Val. Interstate AQCR		
Hunterdon	7,308	3,569
Sussex	5,124	2,330
Warren	8,574	3,703
Regional Total	21,006	9,602
State Total	518,437	223,986

ATTACHMENT II (continued)

ATTACHMENT III

>100 TPY VOC SOURCES IN NOVEMBER '82 NECRMP REPORT, BUT NOT IN
AUGUST '82 NEW JERSEY SIP E/I

County	Source Name	NECRMP Emissions (VOC)
300	Unifoil Corporation	940 TPY
	Napp Chemicals	392
	Sika Chemical Corporation	103
	Universal Lustre Leaf	115
	Custom Chemical Company	115
780	Grace Oil Company	225
1050	Kerr Glass Manufacturing	132
	Owens - Illinois	521
	Case Corporation	370
	Commercial Fuel Corporation	100
	Maul Brothers	147
	Norton Simon Corporation	676
	Tuscarora Plastics	121
	Davis, H. M. and Sons	256
	Rossi Oil Company	156
	John's Body Shop	100
	Cumberland City Sewerage	436
1380	Englehard Minerals and Chemicals	138
	Chem-Fleur	132
	Lancaster Chemicals	1001
	G. Petroleum Incorporation	177
	Old Deerfield Fabrics	312
	Arvey Corporation	530
1760	Air Products and Chemicals	113 (1)
	Pennwalt Corporation	139 (1)
2240	Union Oil of California	134
	Micomaster Onyx	100
	ICI Americas	971
	Prolerized Schiabo	100
	Bayonne Industries	100
	Technical Plastic Extruders	126
	Valiant Metal Products	100
	White Chemical	190
	Mobay Chemical	186

ATTACHMENT III (Continued)

>100 TPY VOC SOURCES IN NOVEMBER '82 NECRMP REPORT, BUT NOT IN

AUGUST '82 NEW JERSEY SIP E/I

County	Source Name	NECRMP Emissions (VOC)
3060	Jersey Central P & L	271 TPY
	NL Industries	326
	AMOCO Oil	312
	Sherwin - Williams	603
	Reynolds Metal	284
	American Standard	100
	Saytech	150
	South Brunswick Board of Education	100
	Metz Metallurgical	100
	Celotex	396
	Pilot Labs	156
	Grant, Williams and Sons	192
	Seacoast Products	523
	Charms Company	614
	Neptune Township Sewage	100
	Bates Manufacturing	105
	Norrland	111
	Fritzsche Dodge and Olcott	260
	Saxton Falls Sand and Gravel	517
	Warner - Lambert Company	116
3900	Toms River Chemical	158
	Meenan Oil	115
	Shore Gas and Oil	436
	Meco	218
4120	Missbrenner Prints	355
	Royal Finishing Corporation	281
	Fritzsche Dodge and Olcott	377
	Beattie Manufacturing	100
	R. J. S. Corporation	316
5020	Johnson and Johnson Company	441
	Sterling Drug	112
	Aeropres Corporation	104
	Zinsser William and Company	198
	Sears Roebuck	200
	Union Carbide	547
5300	Compac Corporation	209

ATTACHMENT III (continued)

> 100 TPY VOC SOURCES IN NOVEMBER '82 NECRMP REPORT, BUT NOT IN
AUGUST '82 NEW JERSEY SIP E/I

County	Source Name	NECRMP Emission (VOC)
5440	Ecolo Tec, Inc.	145 TYP
	Volco Brass and Copper	100
	Atlantic Metal Products	193
	Exxon Chemical Company/Exxon Corporation	147
	American Leather Manufacturing	146
	Malmstrum Chemical Corporation	443
5660	White Township Board of Education	176
	(NOTE: This county is missing from the August '82 SIP, but is in the December '81 SIP)	

TOTAL: 20,307 TPY

77 Sources

(1) In Philadelphia UAM Inventory, but not in New Jersey '82 Ozone SIP.

ATTACHMENT IV

>100 TPY VOC SOURCES IN AUGUST '82 NEW JERSEY SIP E/I, BUT NOT
IN NOVEMBER '82 NECRMP REPORT

County	Source Name	SIP E/I Emissions
0300	J. Josephson	188 TPY
	Tenneco Foam Pl.	157
	Barr Labs	149
	Arsynco Inc.	125
	American Biltrite	482
1380	National Starch and Chemical	390
	Dupont, E. I.	176
	Tennax Finish Production	306
	Newark Paraffine Paper	106
	Atlantic Richfield	212
	Goldstein Leather Company	105
	Seton Leather	163
	Norpak Corporation	106
	Stacor	110
	Bayonne Barrel and Drum	236
	Georgia Pacific	1413
	Central Steel and Drum	150
2240	Stanley Chemical	115
	Carnival Spraying	126
	Jaclyn Incorporation	166
	Kearny Steel Container	114
	Levelor Lorentzum	327
3060	E. R. Squibb	2357
	Reichhold Chemical	1843
	Essex Chemical	140
	Insul-Caustic/Birma	402
	Permacel	405
	AMAX - U.S. Metals Refinery	863
4120	Tungsten Products	221

ATTACHMENT IV (continued)

>100 TPY VOC SOURCES IN AGUGUST '82 NEW JERSEY SIP E/I, BUT NOT
IN NOVEMBER '82 NECRMP REPORT

County	Source Name	SIP E/I Emissions
5020	Compo Incorporation	180 TPY
5440	Universal Newark	126
	Croda Storage	117
2980	Consumers Oil Corporation	113
	Congoleum	115
4900	Ross Fogg Oil (1)	357
3900	Excel Wood	425
5300	U. S. Mineral Production	114

TOTAL: 13,199 TPY

37 Sources

(1) Removed from Philadelphia UAM inventory as a result of October '81 visit to NJDEP Southern Region Office. This source has since been placed in the NJ '82 O₃ SIP inventory.

ATTACHMENT V

VOC SOURCES IN BOTH THE AUGUST NEW JERSEY SIP AND THE NOVEMBER

NECRMP REPORT, DIFFERING BY >100 TPY

County	Source Name	SIP	NECRMP	Difference
0300	C.P.C. Int'l	610 TPY	907 TPY	297 TPY
	Public Service E & G	590	42	- 548
	Phillips Fuel	246	371	125
0740	Owens Corning Fiberglas	221	19	- 202
1380	Hoffman Laroche	725	606	- 119
	Orbis Products	142	412	270
	Benjamin Moore & Co.	139	437	298
	Chase Chemical	127	422	295
	Celanese Chem.	976	1079	103
1760	Texaco	10570	9551	-1019
2240	Public Service	356	806	450
	El Dorado Terminals	324	256	- 68
3060	Public Services E & G	692	55	- 637
	Dupont	1242	1375	133
	Dupont	130	649	519
	Shell Oil	8071	1202	-6869
	Union Carbide	1850	871	- 979
	Amerada Hess	243	363	120
	American Can	372	556	184
	Johnson and Johnson	213	355	142
	Kaiser Aluminum	379	266	- 113
	FMC Corporation	216	744	528
	ITT Continental Baking	263	124	- 139
3260	Hercules	395	165	- 230

ATTACHMENT V (continued)

VOC SOURCES IN BOTH THE AUGUST NEW JERSEY SIP AND THE NOVEMBER
NECRMP REPORT, DIFFERING BY >100 TPY

County	Source Name	SIP	NECRMP	Difference
4120	Morton-Norwich Prod.	236 TPY	130 TPY	- 106 TPY
4900	Dupont	7000	6681	- 319
5440	Public Service E & G	1080	715	- 365
	Reichhold Chemical	290	662	372
	American Cyanamid	915	1093	178
	Dri-Print Foils	202	352	150
	Metal Litho	202	404	202
5660	Inmont	352	224	- 128
	Hoffman Larache	777	1147	370
TOTAL:		40,146	33,041	7,105 TPY
				33 Sources

ATTACHMENT VI

>100 TPY NO_x SOURCES IN NOVEMBER '82 NECRMP REPORT, BUT NOT
IN AUGUST '82 NEW JERSEY SIP E/I

County	Source Name	NECRMP EMISSION (NO _x)
3180	Nestle Company	302 TPY
	Seacoast Products	305
	Western Monmouth Utilities	126
	Charms	100
1380	Orange Park Apartments	100
	Essex City Board of Freeholders	430
	Krementz	100
	Missbrenner Prints	100
	R. J. S.	100
	Double K Nuts	337
3060	N. L. Industries	297
	Dow Chemical	100
	American Can	174
	S. Brunswick Board of Education	1800
	Private Formulations	
5440	Bell Labs	570
5020	Takara Company, N.Y.	1650
0080	U. S. Government	120
1050	Amram Manufacturing	1373
	Bellico Glass	763
	Case Corporation	141
	Leeds and Northrop	663
	Manischewitz Food Products	472
	Martin	1407
	Maul Brothers	1805
	West Company	3121
	Davis, H. M. and Sons	100
	Cumberland City Sewerage	100

ATTACHMENT VI (continued)

>100 TPY NO_x SOURCES IN NOVEMBER '82 NECRMP REPORT, BUT NOT
IN AUGUST '82 NEW JERSEY SIP E/I .

County	Source Name	NECRMP Emission (NO _x)
4900	Dupont	173
5660	White Township Board of Education	100
3900	Point Pleasant Hospital	134
	Rhone - Poulenc	1051
	Spencer Gifts	285
	Rhone - Poulenc	496
0300	Decor	155
	Georgia Pacific	272

TOTAL: 19,322 TPY

35 Sources

ATTACHMENT VII

>100 TPY NO_x SOURCES IN AUGUST '82 NEW JERSEY SIP E/I BUT NOT

IN NECRMP REPORT

County	Source Name	SIP Emissions (NO _x)
1380	Mountainside Hosptial	214 TPY
	Georgia Pacific	364
3060	W. R. Grace	396
3260	Picatinny Arsenal	188
5020	Johns - Manville	1138
2980	Thiokol Corporation	109
	Home Rubber	116
0080	Atlantic Electric	114
	Atlantic City Sewerage	105
	Resorts International	249
	NAFEC	162
1760	Glassboro College	323
5660	Baker Chemical	950
3900	Rhodia, Incorporation	1051
0300	Tenneco Foam Plastics	155
2240	Koppers Company	226
	Diamond Shamrock	197
	N. L. Industries	127
	Monsanto Company	228

TOTAL: 6412 TPY

19 Sources

ATTACHMENT VIIINO_x SOURCES IN BOTH THE AUGUST NEW JERSEY SIP E/I AND THENOVEMBER NECRMP REPORT, DIFFERING BY >100 TPY

County	Source Name	SIP	NECRMP	Difference
0300	Public Servie E & G	14,879	583	-14,296
	Marcel Paper Mills	400	300	- 100
	Curtiss - Wright	161	288	127
0780	Atlantic City Electric	22,800	23,076	276
1050	Kerr Glass	263	58	-205
	Manufacturing			
1380	Hoffman Laroche	1,275	1,394	119
	Englehard Min. & Chemical	134	7	-127
	Inland Chemical	455	342	-113
1760	Air Products and Chemical	217	30	-187
	Texaco	2,969	3,202	233
3060	Jersey Cen. P and L	105	0	-105
	Union Carbide	161	1,183	1,022
	Johnson and Johnson	210	420	210
	Warner - Lambert	158	553	395
3260	Whippany Paper Board	1,402	1,764	362
5440	U. S. Gypsum	414	162	-252
	E. Side Metal Stamp.	986	378	-608

TOTALS:

46,989

33,740

13,249 TPY

17 Source

ATTACHMENT IX

VOC SOURCES IN NECRMP REPORT THAT EMIT LESS THAN 100 TPY

County	Source Name	NECRMP Emissions
0080	U. S. Government	17 TPY, VOC
0300	Lowe Paper	19
	Garden State Paper	10
	Marcel Paper Mills	6
	Curtiss - Wright	18
	Decor, Incorporated	2
	Georgia Pacific	11
0660	Public Service E and G	71
	U. S. Government	35
	Combustion Eng.	1
0740	GAF	20
	Georgia Pacific	4
	Kohnstamm, H & Company	11
	Gulf and Western	43
	Campbell Soup	85
	Harshaw Chemicals	68
	U. S. Gypsum	5
1050	Vineland Municipal Electric	6
	Amran Manufacturing	77
	Atlantic City Electric	3
	Bellico Glass	42
	Leeds and Northrup	38
	Manischewitz Food Products	21
	Martin	23
	West	52
1380	Anheuser-Busch	12
	C. P. C. International	77
	Orange Park Apartments	92
	Essex City Board of Chosen Freeholders	10
	Krementz	35
	Westinghouse	15
1760	Atlantic City Electric	5

ATTACHMENT IX (continued)

VOC SOURCES IN NECRMP REPORT THAT EMIT LESS THAN 100 TPY

County	Source Name	NECRMP Emissions
2240	C. P. C., International	5 TPY, VOC
	Owens Illinois	71
	Mallinckrodt	8
2260	Riegel Products	16
3060	Reading	7
	Public Service E and G	55
	Johnson and Johnson	8
	Warner - Lambert	30
	Dreyfus, L. A.	15
	Private Formulations	7
3180	Nestle	12
	Western Monmouth Utilities	5
3260	PVO International	20
	U. S. Government, Arradcom	7
	Whippany Paper Board	25
3900	Point Pleasant Hospital	1
	Rhone - Poulenc	2
	Spencer Gifts	15
	Rhone - Poulenc	28
4120	Pantasote Company of New York	48
	Sun Chemical	56
	Perrennial Print.	38
	Double K Nuts	3
	Watson Machine	26
4900	Anchor Hocking	2
	Public Service E and G	35
5020	Takara Company of New York	93
5440	Bell Telephone Labs	10

TOTAL: 1,581 TPY

60 Sources

ATTACHMENT X

MAJOR DISCREPANCIES IN SO₂, CO AND PARTICULATE EMISSIONS
BETWEEN NECRMP AND NJ DEP INVENTORIES

County	Source Name	NECRMP Total	NJ DEP Total
0660	Tenneco Chemical	34,048 TPY, TSP	27 TPY
1050	Norton Simon	263,567 TPY, SO ₂	928 TPY
3060	Private Formulations	54,807 TPY, CO	2 TPY
3180	Charms Company	24,688 TPY, SO ₂	27 TPY

TECHNICAL REPORT DATA

(Please read Instructions on the reverse before completing)

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				6. PERFORMING ORGANIZATION CODE	
7 AUTHOR(S) Frederick M. Sellars, Andrea M. Kiddie, Barbara J. Bosy, Michael J. Geraghty				8. PERFORMING ORGANIZATION REPORT NO. GCA-TR-82-17-G(8)	
9 PERFORMING ORGANIZATION NAME AND ADDRESS GCA/Technology Division 213 Burlington Road Bedford, MA 01730				10. PROGRAM ELEMENT NO.	
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				14. SPONSORING AGENCY CODE	
15. SUPPLEMENTARY NOTES EPA Project Officers: James H. Southerland and Thomas F. Lahre					
16. ABSTRACT This report discusses the development of the Northeast Corridor Regional Modeling Project (NECRMP) annual regional emission inventory. The inventory reflects 1979/1980 data and focuses on point, area and mobile source emissions of Volatile Organic Compounds (VOC) and Nitrogen Oxides (NO _x), although particulate, sulfur oxides and carbon monoxide emissions were also compiled for point sources. The study area includes the entire northeast quadrant of the United States from longitude 69° to 82° West, and latitude 38° to 45° North. This volume discusses the emission inventory for New Jersey.					
17 KEY WORDS AND DOCUMENT ANALYSIS					
a. DESCRIPTORS		b. IDENTIFIERS/OPEN ENDED TERMS		c. COSATI Field/Group	
Emission Inventory Inventory Source Inventory Point Sources Area Sources Ozone Nitrogen Oxides Volatile Organic Compounds					
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