
Air

EPA

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

DRAFT

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**NORTHEAST CORRIDOR REGIONAL
MODELING PROJECT
ANNUAL EMISSION INVENTORY
COMPILATION AND FORMATTING**

**Volume VII:
New Hampshire Emission Inventory**

by
GCA Corporation
Bedford, MA

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EPA Project Officers: James H. Southerland
Thomas F. Lahre

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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 (USEPA), 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, USEPA's Office of Air Quality Planning and Standards retained GCA Corporation, 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 84 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 Hampshire. This was achieved through the cooperation of the New Hampshire Air Pollution Control Agency (NHAPCA) and USEPA/Region I. The intent of the program was to avoid direct contact between GCA and individual facilities in New Hampshire. Rather, GCA worked directly with the NHAPCA who in turn contacted sources when necessary. GCA reviewed the State and EPA supplied data and submitted a list of potential errors back to NHAPCA, who was responsible for confirming the data or supplying corrections, as necessary.

The major pollutants of interest were VOC and NO_x. although TSP, SO_x and CO were also compiled for point sources. Because of this emphasis, quality assurance checks focused primarily on sources of VOC and NO_x.

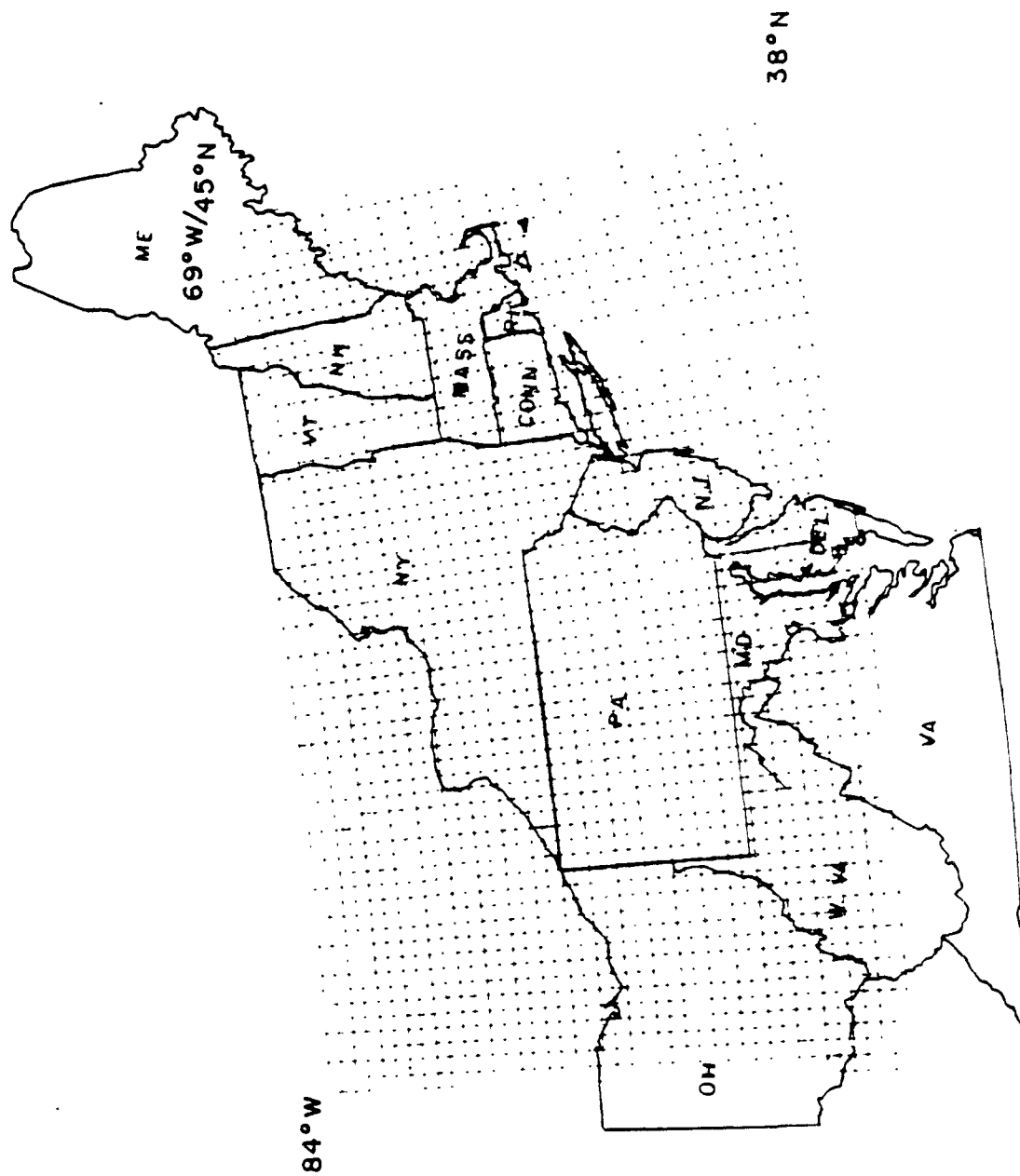


Figure 1. Boundaries of regional model grid system.

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 (EIS/PS) 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 methods 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 Hampshire, consists of five sections. Section 2 describes the project history and includes a summary of the major events that relate to the New Hampshire 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.

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 Hampshire Air Pollution Control Agency (NHAPCA) and the Environmental Protection Agency's Region I Office (EPA/Region I). The NHAPCA contact was responsible for confirming data, supplying required corrections or additional data, interfacing with individual sources 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 the point source data for errors, inconsistencies and missing data elements.

Since New Hampshire did not maintain a current area source inventory of the quality required for the NECRMP, it was necessary to develop this inventory. The Agency contact played a key role in this process by directly supplying some input data necessary for the area source calculations, and identifying other state agencies that could provide the remaining information. The NHAPCA contact was Mr. Thomas Noel, (603) 271-4573.

SUMMARY OF EVENTS

Summaries of the major milestones pertaining to the New Hampshire portion of the NECRMP inventory are provided separately for the point source and area source data, as follows:

Point Sources

Work on the New Hampshire point source inventory occurred between May and July, 1981; the completed data were provided to EPA in September 1981. Major milestones are identified below.

- NEDS data (1979) procured from EPA/NADB 5/12/81
- QA audit completed, lists of missing and/or questionable data sent to Project Officer, Agency contacts 6/10/81
- Errors resolved during state agency visit 6/16/81
- Corrections reflected in completed EIS/PS master file 7/30/81

- 1979 data adjusted to 1980 7/31/81
- Completed inventories (1979, 1980) sent to EPA 9/21/81

Area Sources

The New Hampshire area source inventory was developed by GCA during the period between January and June 1981. While most of the effort was concentrated between January and March, the area source inventory had to be "balanced" with the point source data, which were not available until May. Major events are identified below:

- Begin procurement of input data 1/5/81
- Emissions calculated by category 2/27/81
- Balance with point source data (i.e., adjust area source totals to avoid double accounting of overlapping point source totals) 6/1/81
- Provide completed inventory to State Agency for concurrence 6/16/81
- Completed master file sent to EPA 2/8/82

SECTION 3

POINT SOURCE INVENTORY

DATA PROCUREMENT

A computer tape containing the National Emission Data System (NEDS) point source inventory for New Hampshire was procured from the Environmental Protection Agency, National Air Data Branch (EPA/NADB) on May 12, 1981. The NEDS tape contained 1979 data on 459 individual emission points at 316 facilities. In an earlier step³, data on certain facilities were updated from 1977 to 1979. The criteria for including individual facilities in that update are presented in Table 2. As a result of this effort, the data were in relatively good shape as received, particularly with respect to the major VOC and NO_x emitters. Since New Hampshire is in attainment of the National Ambient Air Quality Standard for ozone (O₃), the State was not required to develop an emission inventory for State Implementation Plan (SIP) purposes. This update, then, was undertaken specifically for the NECRMP.

TABLE 2. SUMMARY OF SOURCES INCLUDED IN PREVIOUS UPDATE
EFFORT BY POLLUTANT AND SIZE³

Pollutant(s) emitted	Minimum source size included in update (tons/yr)
VOC and NO _x ^a	100
VOC ^a only	500
NO _x only	750
RACT Sources	50
CO	500
SO ₂ and PART.	1000
Data Gaps and Inconsistencies	All

^aMay include RACT sources.

DATA REVIEW AND UPDATE

The 1979 NEDS file was converted into EIS/PS format using the GCA-modified version of the EIS/PS Conversion Editor¹ described previously in Volume I.⁴ The data were then subjected to the quality assurance (QA) measures presented in of Volume I.⁴

One QA measure involved cross-checking the VOC sources listed in the RACT Directory⁵ against those facilities included in the NEDS inventory to identify possible omissions. Table 3 describes sources identified as being listed in the RACT Directory, but not in the NEDS inventory, and NHAPCA's resolution of these potential omissions.

TABLE 3. SUMMARY OF NEW HAMPSHIRE SOURCES LISTED IN THE RACT DIRECTORY, BUT NOT IN THE NEW HAMPSHIRE POINT SOURCE INVENTORY

RACT category	County	Source name	Resolution
Industrial Perchloro-ethylene Drycleaners	Grafton	Kleen Laundry & Drycleaning	Insignificant source
Can Surface Coating	Rockingham	Continental Can Company	Insignificant source
Fabric Surface Coating	Rockingham	Keeger Mfg. Co.	Insignificant source
Synthetic Organic Chemical Manufacturing	Rockingham	K. J. Quinn & Co.	Insignificant source

A manual review was undertaken of all sources emitting more than 100 tons/yr of VOC or NO_x or 500 tons/yr of any other criteria pollutant. In addition, all "error," "conditional," or "warning" messages resulting from the conversion of data from NEDS format to EIS/PS format were examined. Since an extensive update of the inventory had previously been completed,³ relatively few additional problems were detected. Problems that were encountered were often with sources that did not meet the Table 2 criteria and, thus, had not been included in the earlier update. The majority of these problems involved missing UTM coordinates and the improper use of blanks and zeros in the control equipment and efficiency fields. For the major sources, a number of boilers using No. 6 fuel oil were missing stack exhaust flow rates. Missing flow rates were calculated using the following default equation:^a

$$\text{Flow rate (ft}^3\text{/min)} = (5.513 \times 10^{-2}) \left(\frac{460 + \text{stack temperature in } ^\circ\text{F}}{\text{temperature in } ^\circ\text{F}} \right) (\text{gallons of oil/hr})$$

^aThe derivation of this equation is presented in Volume I.⁴

A list of questions and/or problems related to the New Hampshire inventory was forwarded to the NHAPCA and a visit to that Agency was made to resolve these questions. All corrections, additions, and deletions resulting from that visit were coded on NEDS coding forms in compliance with the instructions given in AEROS, Volume II.⁶ The NEDS update transactions were edited and translated into EIS/PS update transactions using the NEDS to EIS Conversion-Editor. The EIS/PS Masterfile was updated using the EIS/PS update transactions and the EIS/PS Masterfile Maintenance Program. A detailed list of the changes, additions, and deletions performed is provided in Table 4.

GROWTH FACTORS

The New Hampshire point source inventory reflected 1979 data and had to be adjusted to 1980 for the NECRMP. GCA developed growth factors to 1980 on a 2-digit SIC basis. County-specific factors were developed for the seven SIC codes which accounted for 90 percent of the VOC and NO_x emissions in the 1979 inventory, and statewide growth factors were developed for the remaining SICs.

Growth factors were calculated based on employment data from County Business Patterns,^{7,8} using the following equation:

$$GF_{79-80} = \frac{\text{Employment 1979}}{\text{Employment 1978}}$$

As shown in the above equation, employment change from 1978 to 1979 was assumed to approximate 1979 to 1980 change. This approach was used due to the unavailability of 1980 employment information. Table 5 presents the county-specific growth factors used for the seven most significant SICs, while Table 6 presents the statewide growth factors used for the remaining SICs.

Review of the results of this exercise for New Hampshire was quite disheartening. As shown in Tables 5 and 6, calculated growth factors ranged from 0.516 to 3.556. Examination of previous years' data revealed similar fluctuations. It was determined that such fluctuations were not likely to occur in actual emissions, and the reported 1979 emissions were probably a more accurate indication of the 1980 emissions than the "adjusted" inventories were. More accurate adjustment techniques would have required significant additional resources and were not explored.

As a result, only 1979 data are reported here, although both 1979 and 1980 data were supplied to EPA on computer tape.

RESULTS

For reporting purposes, point source emissions for 1979 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. 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.

TABLE 4. UPDATES MADE TO THE NEW HAMPSHIRE POINT SOURCE INVENTORY

Facility	EIS Facility ID	Update action taken	Comment
<u>Belknap County (0020)</u>			
Allen-Rogers Corp.	0001	Change estimation method Delete erroneous HC control equip. code	Source is operational
<u>Cheshire County (0080)</u>			
Pave Incorporated	0040	Delete source	No emissions
C. L. Lane Company	0045	Add temperature Delete erroneous HC control equip. code	
<u>Coos County (0140)</u>			
James River-Gorham	0001	Change facility name Change common stacks Add flow rate Change SCC	Formerly Brown & Co. Points 1 through 3 GCA calculated
James River-Berlin	0002	Change facility name Delete points 6, 8 Change Part control equip. code Add Part control efficiency	Formerly Brown & Co. Duplicates of 5, 7 001--venturi scrubber 87.5%
Nuroco	0023	Add temperature Delete erroneous HC control equip. code	
<u>Grafton County (0240)</u>			
International Packings	0002	Delete redundant plume data Change HC emission estimate Add source description Delete erroneous space heat %	
Allen-Rogers	0018	Add UTM Coordinates	
<u>Hillsborough County (0300)</u>			
Africano Velcro	0049	Delete redundant plume data Delete erroneous space heat %	
Hudson Sand & Gravel	0062	Change estimation method Add UTM coordinates	Source is operational
Monadnock Paper	0070	Delete points 3-4	Redundant information
Nashua Corp.	0072	Delete redundant plume data Delete erroneous space heat %	
Prevue Products	0078	Change estimation method	Source is operational
Triangle Pacific	0042	Delete flow rate	Evaporative source
Batesville Gasket	0093	Add plume height	
Hampshire Designers	0097	Add stack data Add boiler design capacities Add process rates Add temperature	GCA-calculated flow rates
Crystal Cleaners	0105	Delete erroneous HC control equip. code	
Disogrin Industries	0106	Add temperatures Delete erroneous HC control equip. codes	
Interstate Uniform	0109	Add temperature	
Sprague Electric	0111	Add temperatures Delete erroneous HC control equip. codes	
Sta-Hi Systems	0112	Add temperatures Delete erroneous HC control equip. codes	
<u>Merrimack County (0440)</u>			
N.H. Hospital	0032	Add temperatures, flow rates Delete erroneous control equip. codes Add heat contents	GCA calculated flow rates
Allied Leather	0036	Delete erroneous control equip. codes Add % annual throughput Change Part. estimation method Add temperatures, flow rates Add plume height	

(continued)

TABLE 4 (continued)

Facility	EIS Facility ID	Update action taken	Comment
Oak Materials/ Laminates Div.	0038	Change Facility name	Formerly Atlantic Laminates
Acme Staple	0042	Add stack diameter Delete erroneous control equip. fields	
Rumford Press	0044	Add temperature Delete erroneous control equip. fields	
<u>Rockingham County (0580)</u>			
Public Service Co-Schiller Station	0012	Add UTM coordinates	
Pease AFB	0016	Add % throughput Add S%	Est meth=3 No throughput
Atlantic Terminal Sales	0038	Delete point 3	Not closed down
Public Service Co. - Newington	0054	Change estimation method Delete Plume Change SO ₂ estimation method, estimate Change UTM-Y coordinates	Redundant w/stack
Northeast Petro	0055	Add % annual throughput	
Public Service Co. - Schiller Station	0056	Change estimation method	Not closed down
Union Oil	0057	Change estimation method Add % annual throughput	
Atlantic Terminal- Newington	0063	Add process descriptions	
Exeter Rose Farm	0065	Delete erroneous common stack field Add estimation methods Add boiler design capacity Add S%	Est meth=3
Colonial Cleaners	0067	Add temperature Delete erroneous control equip. codes	
Fuel Storage Corp.	0068	Add temperature Delete erroneous control equip. codes	
Ideal Tape	0069	Add temperature Add source description	Paper coating
Kingston-Warren	0070	Add temperature Delete erroneous control equip. codes Add source description	Metal coating
<u>Strafford County (0640)</u>			
Davidson Rubber	0002	Delete redundant plume data Add source code	
Davidson Rubber-Rt 11	0027	Add flow rates Delete erroneous common stack fields Delete redundant plume data Add heat content	GCA calculated
Wm. J. Vickers & Son	0034	Add UTM Coordinates	
G. E. Somersworth	0035	Change source code Add plume height	Boiler, not process
Action Industries	0039	Add temperature Delete erroneous control equip. codes	
Clarostat Mfg.	0040	Delete erroneous control equip. codes Add temperature Add source description	Varnishing operation
<u>Sullivan County (0660)</u>			
Sturn Ruger	0019	Add temperature Delete erroneous control equip. codes	
Hampshire Mfg.- Claremont	0020	Add UTM coordinates and zone Add SIC code Add year of record Add source code	

TABLE 5. COUNTY-SPECIFIC GROWTH FACTORS (1979 TO 1980) FOR NEW HAMPSHIRE POINT SOURCES

Growth factor												
SIC	Balknap (0020)	Carroll (0060)	Cheshire (0080)	Coos (0140)	Grafton (0240)	Hillsborough (0300)	Merrimack (0440)	Rockingham (0580)	Stratford (0640)	Sullivan (0660)	Statewide default	
22	1.092	-	0.987	-	1.000	0.601	0.744	-	1.000	0.958	0.810	
25	-	1.000	1.000	1.000	1.000	1.000	0.808	1.228	-	-	1.090	
26	1.000	-	0.983	1.000	-	1.047	0.951	1.000	1.686	0.794	1.009	
30	-	1.000	-	-	-	0.516	1.566	1.786	1.272	-	0.903	
35	1.284	-	1.061	-	1.085	1.226	1.547	1.361	-	0.975	1.182	
36	1.358	-	0.916	-	-	1.062	1.155	1.479	1.010	-	1.104	
49	-	-	1.000	1.000	1.037	1.079	1.119	1.066	-	0.926	1.084	

Dashed line indicates insufficient data, statewide default used.

Source: GCA Calculations, 1981

TABLE 6. NEW HAMPSHIRE STATEWIDE GROWTH FACTORS (1979 TO 1980)
FOR POINT SOURCES

2-digit SIC	Adjustment factor	Comment
07	1.264	
08	2.917	No emissions in this SIC
09	1.000	No emissions in this SIC
13	1.000	No emissions in this SIC
14	1.984	Very little NO _x emissions only
15	1.060	
16	0.972	No emissions in this SIC
17	1.168	
20	1.055	
23	0.908	
24	1.157	
27	1.088	
28	1.016	
29	3.556	No emissions in this SIC
31	1.098	
32	1.092	
33	1.205	
34	1.139	
37	1.267	
38	1.120	
39	1.381	
41	1.102	
42	1.146	
44	0.829	No emissions in this SIC
45	1.050	
46	1.000	No emissions in this SIC
47	1.136	No emissions in this SIC
48	1.034	
50	1.145	
51	1.085	
52	1.024	
53	1.122	
54	1.076	
55	1.021	
56	1.097	
57	1.073	
58	1.082	
59	0.999	
60	1.084	
61	1.094	

(continued)

TABLE 6 (continued)

2-digit SIC	Adjustment factor	Comment
62	1.061	
63	1.101	
64	1.079	
65	1.084	
66	1.000	No emissions in this SIC
67	0.708	
70	1.011	
72	1.085	
73	1.192	
75	1.041	
76	1.333	
78	0.972	
79	1.089	
80	1.075	
81	1.029	
82	0.999	
83	1.224	
84	2.250	
86	0.886	
89	1.353	
Statewide default	1.086	

Source: GCA Calculations 1981

Statewide point source emissions for 1979 are presented, by category, in Table 7. County-specific point source emissions are presented, by category, in Appendix A of this volume.

A list of "major" facilities was developed by totaling emissions at each facility using a criteria of 100 tons/yr of VOC or NO_x to define a major source. These facilities, and their reported 1979 emissions for all five criteria pollutants, are presented in Table 8.

Final Data Tape

The completed New Hampshire point source inventory was written onto computer tape for delivery to EPA. Included on the tape, which was forwarded on September 21, 1981, were the following files:

- Original NEDS file, as received (1979)
- Updated 1979 NEDS file (after manual updates)
- EIS/PS Master file (1979)
- EIS/PS Master file (1980)
- 1980 NEDS file
- Growth factors
- NEDS update transactions (1979)
- NEDS (1979) translated from final EIS file

Further evaluation of this inventory and improvements made can be found in Volume XVIII.

TABLE 7. NEW HAMPSHIRE POINT SOURCE EMISSIONS (1979) BY CATEGORY--STATEWIDE

SCA / TECHNOLOGY DIVISION
NEW HAMPSHIRE 1979 INVENTORY

STATE OR REGION TOTALS

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	----- NOX	EMISSIONS (TONS/YEAR)	----- HC
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	9	0	0	0	1133	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, TRANSFER, MGT OF VOC)	6	0	0	0	1003	0
12 LULU OIL MANUFACTURE	0	0	0	0	0	0
13 PETROLEUM REFINERIES	4	13	213	43	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	2	0	0	1	0	0
19 FERTILIZATION PROCESSES	1	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	3	0	0	0	0	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0
26 PLASTIC PRODUCTS	1	0	0	0	0	0
27 FOOD PRODUCTS	5	20	0	0	0	0
28 TEXTILE MILL PRODUCTS	1	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	4	454	7	4	0	0
30 PAPER AND ALLIED PRODUCTS	4	1470	630	7	0	0
31 STONE, CLAY, GLASS, CONCRETE	40	512	425	43	3925	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	1	1	0	0	0	0
33 FABRICATED METAL PRODUCTS	1	0	0	0	0	0
34 IN-PROCESS FUEL USE	5	0	7	1	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	5	111	0	0	0	0
36 ADHESIVES	1	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-CAMS	0	0	0	0	0	0
41 IND. SFC. COATING-METAL COILS	0	0	0	0	0	0
42 IND. SFC. COATING-PAPER	1	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	7	0	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	25	0	0	0	10657	0

TABLE 7 (continued)

SCA / TECHNOLOGY DIVISION
NEW HAMPSHIRE 1975 INVENTORY

STAT. OR REGION TOTALS

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	MISSIONS NOx	(TONS/YEAR) HC	----- SO2
51 OIL REFINING	27	1	0	0	1222	0
52 DRY CLEANING	2	0	0	0	75	0
53 GRAPHIC ARTS	2	0	0	0	399	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-(IND)-INDUSTRIAL SURFACE COATING	2	0	0	0	57	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	24	1008	85267	45335	879	1435
59 EXT. COMB. BOILERS-INDUSTRIAL	189	1013	14925	3010	507	274
60 EXT. COMB. BOILERS-COMM/INST	59	113	2670	525	15	43
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-(FULL COMBUSTION)	0	0	0	0	0	0
64 SOLID WASTE DISPOSAL-GOVT.	3	48	8	15	35	182
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	5	0	0	0	523	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	4	14	98	131	14	31
70 NOT CLASSIFIED	0	0	0	0	0	0
STAT OR REGION TOTALS		4825	134221	49205	21041	5870

TABLE 8. NEW HAMPSHIRE SOURCES (1979) EMITTING MORE THAN 100 TONS/YR OF VOC OR NO_x

NECRMP 1979 ANNUAL EMISSION INVENTORY LARGE FACILITIES SELECTED FOR NEW HAMPSHIRE									
STATE	COUNTY	A3CR	P LANT	FACILITY	ISP (****)	SO2 (****)	NOX (100)	HC (100)	CO (****)
30	80	121	0015	TROY MILLS, 18 MONADOCK ST, TROY 03465	4	103	13	270	2
30	80	121	0042	MARKEN CORP., 150 CONGRESS ST., KEENE 03431	0	15	2	325	0
30	140	107	0001	JAMES RIVER CORP.	91	2485	684	7	36
30	140	107	0002	BROWN CO., 650 MAIN ST, BERLIN 03750	1648	4605	750	17	3968
30	140	107	0034	GROVETON PAPERS CO., GROVETON 03582	93	2691	463	7	38
30	240	149	0032	INTERNATIONAL PACKINGS, BRISTOL 03222	4	113	21	437	2
30	240	149	0023	DARTMOUTH COLL., MCENZIE HALL, 03755	20	477	158	2	8
30	300	121	0017	ANHEUSER-BUSCH, 0 WEBSTER HWY, MERRIMACK	32	822	245	3	15
30	300	121	0025	VASHUA CORP. 44 FRANKLIN ST, VASHUA 03060	9	249	48	2524	3
30	300	121	0043	AMERICAN VELCRO, 405 BROWN AVE., MANCHESTER	4	100	22	535	2
30	300	121	0072	VASHUA CORP., 173 MERRIMACK 03034	10	269	53	4707	4
30	300	121	0078	PREVUE PRODUCTS, 195 MACGREGOR, MANCHESTER	2	43	9	392	0
30	300	121	0092	TRIANGLE PACIFIC CABINET CORP., VASHUA	0	13	2	455	0
30	300	121	0093	BATESVILLE CASKET CORP., 55 PALY ST., WASHUA	0	0	0	120	0
30	300	121	0103	INTERSTATE UNIFORM, INDUSTRIAL PARK DRIVE	0	0	0	110	0
30	440	121	0026	PUB SERV CO. OF NH-MERRIMACK PL BOW 03301	394	53309	29684	153	542
30	440	121	0035	ALLIED LEATHER CORP CANAL ST, PENACOOK	8	189	36	226	3
30	440	121	0039	OAK MATERIALS GROUP, LAMINATES DIV	0	0	0	600	0
30	580	121	0011	PUB SERV CO. OF NH-DAVIEL ST PL, PORTSMTH	73	1632	595	5	30
30	580	121	0012	PUB SERV CO. OF NH-SCHILLER PLANT 03801	298	7217	2376	200	116
30	580	121	0038	ATLANTIC TERMINAL SALES, NEWINGTON 03801	0	0	0	203	0
30	580	121	0043	ESSEX INTERNATIONAL, JAY RD., NEW MARKET	3	63	13	331	1
30	580	121	0054	NEWINGTON STATION-PSC, GOSLING RD., NEWINGT	142	20475	11840	477	714
30	580	121	0055	NORTHEAST PETROLEUM, PORTSMOUTH	0	0	0	333	0
30	580	121	0057	UNION OIL, PATTERSON LANE, NEWINGTON	0	0	0	122	0
30	580	121	0058	USM CORP-BAILEY DIV 911 SEABROOK 03874	2	20	4	500	1
30	580	121	0051	MOSIL OIL CORP-NEWINGT, SCARSDALE, N.Y.	0	0	0	150	0
30	580	121	0062	ATLANTIC TERMINAL CORP., NEWINGTON	0	9	0	152	0
30	580	121	0063	ATLANTIC TERMINAL CORP., NEWINGTON	10	165	39	852	2
30	580	121	0064	FUEL STORAGE CORP., PATTERSON LN., NEWINGTON	0	0	0	294	0
30	580	121	0059	IDEAL TAPE CO., INDUSTRIAL PARK	0	0	0	250	0
30	580	121	0070	KINGSTON-WARREN, SWAMPSCOLL ST., NEWFIELD	0	0	0	130	0
30	640	121	0032	DAVIDSON RUBBER CO., INDUSTRIAL PARK, DOVER	2	53	12	215	0
30	640	121	0027	DAVIDSON RUBBER CO. ROUTE 11 03835	8	80	15	1601	1
30	640	121	0035	GENERAL ELECTRIC CO., SOMERSWORTH 03878	4	104	20	295	2
30	640	121	0039	ACTION INDUSTRIES, P.O. BOX 356, GONIC	0	0	0	250	0
TOTALS					2961	95304	47104	19034	5490

SECTION 4

AREA SOURCE INVENTORY DEVELOPMENT

OBJECTIVES

The area source emission inventory task entailed (1) reviewing area source inventories prepared by the states for technical accuracy and consistency with EPA-prescribed procedures and (2) 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 allocation factors and the evaluation of control scenarios in subsequent modeling efforts.

METHODOLOGIES

Since New Hampshire is in attainment of the National Ambient Air Quality Standard (NAAQS) for ozone, the NHAPCA is not required to maintain an area source inventory of the quality required for the NECRMP. Therefore, GCA developed a 1980 area source inventory of VOC and NO_x emissions using state-supplied and published activity data, AP-42⁹ and other EPA-approved emission factors, and methodologies generally consistent with the Procedures for the Preparation of Emission Inventories for Volatile Organic Compounds--Volume I, Second Edition.¹⁰

Procedures¹⁰ lists multiple methodologies for a number of the area source categories inventoried. To maintain consistency from state to state, GCA selected methods, from Procedures,¹⁰ to be used to compile and verify all NECRMP area source emission inventories. These recommended are documented in Volume I of this series.⁴

Area source emissions of VOC and NO_x were calculated for each county for 54 individual categories. While the intention was to estimate total VOC, for maximum compatibility with the regional model to be used in the NECRMP, this was not always possible. For several area source categories, only reactive (nonmethane) VOC emission factors were available. Table 9 presents the 54 area source categories inventoried and designates whether the VOC emissions inventoried in each category represent total or reactive VOC.

TABLE 9. AREA SOURCE CATEGORIES INVENTORIED FOR NEW HAMPSHIRE

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	Auto Body 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	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 9 (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

Area source activity data and emission factors used to develop the New Hampshire emission inventory originated from a number of sources. Table 10 presents a matrix of:

- The 54 area source categories inventoried
- The source activity or surrogate indicator on which emissions estimates were based
- The source of these activity rate estimates
- The emission factors used
- The source of these emission factors

DEVIATIONS FROM THE VOLUME I METHODOLOGIES

For some area source categories, the methodologies reported in Volume I⁴ had to be modified to accommodate the source activity data available for New Hampshire. Additionally, the quality of existing activity data sometimes necessitated making certain assumptions or adjusting older data to 1980. The assumptions, adjustments, and deviations from the Volume I⁴ methodologies are discussed below. The information supplied here is supplemental to the general methodology description presented in Volume I.⁴

Gasoline Marketing Operations

Statewide 1979 gasoline sales for New Hampshire were obtained from Highway Statistics.¹¹ Statewide estimates of 1980 sales were developed based on actual 1979 sales and the FHWA predicted change for 1980.¹² County-specific estimates were derived by apportioning statewide sales to counties on the basis of the number of gasoline service stations in each county.⁸

Composite emission factors were calculated for two gasoline marketing categories, service station loading (Stage I evaporation) and tank truck loading and transit. These factors were developed based on AP-42 factors and the assumption that both service stations and tanker trucks are comprised of 25 percent splash loading tanks and 75 percent submerged fill tanks.¹⁰ Derivations of these composite emission factors are further explained in Volume I.⁴

Cutback Asphalt Paving

Statewide use figures for cutback asphalt in 1980 were obtained from the New Hampshire Department of Transportation (NHDOT)--Maintenance Division.¹³ According to the NHDOT, nearly all paving in 1980 was done with medium-cure asphalt.¹³ Emissions were calculated using the procedures outlined in Section 4.5 of AP-42. A VOC emission factor of 399 #/ton was derived using an assumed diluent content of 35 percent. County-specific emissions were derived by apportioning statewide emissions to counties on the basis of population in 1980.¹⁴

TABLE 10. NEW HAMPSHIRE 1980 AREA SOURCE INVENTORY DATA SOURCES

EIS/AS category No.	Category description	Activity rate base	Activity rate source	Emissions factors		Emission factor source ^a
				VOC	NO _x	
001	Stage I Gasoline Evaporation	Gasoline Delivered	Highway Statistics	8.35#/10 ³ gal	-	AP-42; Table 4.4-4
002	Stage II Gasoline Evaporation	Gasoline Taxed	Highway Statistics	9.7#/10 ³ gal	-	AP-42; Table 4.4-4
003	Gasoline Tank Breathing	Gasoline Delivered	Highway Statistics	1.0#/10 ³ gal	-	AP-42; Table 4.4-4
004	Gasoline Loading/Transit	Gasoline Delivered	Highway Statistics	6.87#/10 ³ gal	-	AP-42; Table 4.4-3
005	Small Industrial/Commercial Degreasing	Population	1980 Census	7.59#/capita	-	GCA, based on EPA-450/2-77-028
006	Dry Cleaning	Population	1980 Census	1.5#/capita	-	EPA-450/2-77-028 (2nd Ed.)
007	Architectural Surface Coating	Population	1980 Census	4.6#/capita	-	EPA-450/2-77-028 (2nd Ed.)
008	Auto Body Refinishing	Population	1980 Census	1.9#/capita	-	EPA-450/2-77-028 (2nd Ed.)
009	Small Industrial Surface Coating	Coating applied	Nat. Paint & Coating Assoc.	1175#/ton	-	AP-42; Table 4.2-1
010	Graphic Arts	Population	1980 Census	0.8#/capita	-	EPA-450/2-77-028 (2nd Ed.)
011	Commercial/consumer solvent use	Population	1980 Census	6.3#/capita	-	EPA-450/2-77-028 (2nd Ed.)
012	Cutback Asphalt	Tons applied	NHDOT	399#/ton	-	GCA Calc. based on AP-42; Table 4.5-1
013	Pesticides	Pounds applied	NH Pesticide Control Board	0.9#/lb applied	-	EPA-450/2-77-028 (2nd Ed.)
014	On Highway-Light Duty Vehicles	Vehicle Miles Traveled	NHDOT	County-Specific	County-Specific	MOBILE2, GCA calculations
015	On Highway-Light Duty Trucks--I	Vehicle Miles Traveled	NHDOT	County-Specific	County-Specific	MOBILE2, GCA calculations
016	On Highway-Light Duty Trucks--II	Vehicle Miles Traveled	NHDOT	County-Specific	County-Specific	MOBILE2, GCA calculations
017	On Highway-Heavy Duty Gas Trucks	Vehicle Miles Traveled	NHDOT	County-Specific	County-Specific	MOBILE2, GCA calculations
018	On Highway-Heavy Duty Diesel Trucks	Vehicle Miles Traveled	NHDOT	County-Specific	County-Specific	MOBILE2, GCA calculations
019	On Highway-Motorcycles	Vehicle Miles Traveled	NHDOT	County-Specific	County-Specific	MOBILE2, GCA calculations
020	Residential Anthracite Combustion	Tons burned	GCA (based on EPA-450/2-77-028)	2.5#/ton	3.0#/ton	AP-42; Table 1.2-1
021	Residential Bituminous Combustion	Tons burned	GCA (based on EPA-450/2-77-028)	3.0#/ton	6.0#/ton	AP-42; Table 1.1-2
022	Residential Residual Oil Combustion	N/A	N/A	N/A	N/A	N/A
023	Residential Distillate Oil Combustion	Gallons burned	GCA (based on EPA-450/2-77-028)	1.0#/10 ³ gal	18#/10 ³ gal	AP-42; Table 1.3-1
024	Residential Natural Gas Combustion	Cubic feet burned	GCA (based on EPA-450/2-77-028)	8.0#/10 ⁶ ft ³	80#/10 ⁶ ft ³	AP-42; Table 1.4-1
025	Residential LPG Combustion	Gallons burned	GCA (based on EPA-450/2-77-028)	0.75#/10 ³ gal	7.5#/10 ³ gal	AP-42; Table 1.5-1
026	Residential Wood Combustion	Tons burned	GCA (based on EPA-450/2-77-028)	5.0#/ton	1.0#/ton	AP-42; Table 1.9-1
027	Comm/Inst Anthracite Combustion	Tons burned	EPA-450/4-80-028	Negligible	10#/ton	AP-42; Table 1.2-1
028	Comm/Inst Bituminous Combustion	Tons burned	U.S. Dept. of Energy	3#/ton	6#/ton	AP-42; Table 1.1-2
029	Comm/Inst Residual Oil Combustion	Gallons burned	U.S. Dept. of Energy	1#/10 ³ gal	60#/10 ³ gal	AP-42; Table 1.3-1
030	Comm/Inst Distillate Oil Combustion	Gallons burned	U.S. Dept. of Energy	1#/10 ³ gal	22#/10 ³ gal	AP-42; Table 1.3-1
031	Comm/Inst Natural Gas Combustion	Cubic feet burned	AGA-Gas Facts	8#/10 ⁶ ft ³	120#/10 ⁶ ft ³	AP-42; Table 1.4-1
032	Comm/Inst LPG Combustion	Gallons burned	U.S. Dept. of Energy	0.75#/10 ³ gal	11#/10 ³ gal	AP-42; Table 1.5-1
033	Comm/Inst Wood Combustion	Tons burned	EPA-450/4-80-028	36#/ton	10#/ton	AP-42; Table 1.6-1

(continued)

TABLE 10 (continued)

EIS/AS category No.	Category description	Activity rate basis	Activity rate source	Emissions factors			Emission factor source ^a
				VOC	NO _x		
034	Industrial Anthracite Combustion	Tons burned	EPA-450/4-80-028	Negligible	18#/ton		AP-42; Table 1.2-1
035	Industrial Bituminous Combustion	Tons burned	U.S. Dept. of Energy	1#/ton	15#/ton		AP-42; Table 1.1-2
036	Industrial Residual Oil Combustion	Gallons burned	U.S. Dept. of Energy	1#/10 ³ gal	60#/10 ³ gal		AP-42; Table 1.3-1
037	Industrial Distillate Oil Combustion	Gallons burned	U.S. Dept. of Energy	1#/10 ³ gal	22#/10 ³ gal		AP-42; Table 1.3-1
038	Industrial Natural Gas Combustion	Cubic feet burned	AGA-Gas Facts	3#/10 ⁶ ft ³	175#/10 ⁶ ft ³		AP-42; Table 1.4-1
039	Industrial LPG Combustion	Gallons burned	U.S. Dept. of Energy	0.3 #/10 ³ gal	11.65#/10 ³ gal		AP-42; Table 1.5-1
040	Industrial Wood Combustion	Tons burned	EPA-450/4-80-028	36#/ton	10#/ton		AP-42; 1.6-1
041	Military Aircraft	LTO Cycles	FAA	27.1#/LTO	9.16#/LTO		EPA/NADB
042	Civil Aircraft	LTO Cycles	FAA	0.41#/LTO	0.028#/LTO		EPA/NADB
043	Commercial Aircraft	LTO Cycles	FAA	30.66#/LTO	26.93#/LTO		EPA/NADB
044	Railroad Locomotives	Oil used	U.S. Dept. of Energy	94#/10 ³ gal	370#/10 ³ gal		AP-42; Table 3.2.2-1
045	Vessels--Gasoline	Gallons used	NHDHV and GCA (based on EPA-450/2-77-028)	39.07#/10 ³ gal	858.36#/10 ³ gal		GCA (based on AP-42; Tables 3.2.3-5, 6)
046	Vessels--Distillate oil	Gallons	NH Port Authority and GCA (based on USDOE)	50#/10 ³ gal	270#/10 ³ gal		AP-42; Table 3.2.3-1
047	Vessels--Residual Oil	Gallons used	NH Port Authority and GCA (based on USDOE)	1.72#/10 ³ gal	63.6 #/10 ³ gal		AP-42; Table 3.2.3-2
048	Off Highway--Gasoline Vehicles	Gallons used	EPA-450/4-80-028	267.24#/10 ³ gal	105.98#/10 ³ gal		GCA (based on AP-42)
049	Off Highway--Diesel Vehicles	Gallons used	EPA-450/4-80-028	39#/10 ³ gal	421#/10 ³ gal		GCA (based on AP-42)
050	Onsite Incineration	Tons incinerated	EPA-450/2-77-028	38#/ton	2.5#/ton		GCA (based on data from EPA/NADB)
051	Open Burning	Tons burned	EPA-450/2-77-028	29.1#/ton	5.55#/ton		GCA (based on data from EPA/NADB)
052	Structural Fires	Number of fires	NH Fire Marshall	107#/fire	17#/fire		EPA/NADB
053	Field/Slash Burning	Acres burned	NH Soil Cons. Serv.	23.5#/fire	4#/acre		GCA (based on AP-42)
054	Forest Fires	Acres burned	NH Dept. of Agric.-- Forest and Land Div.	261.02#/acre	43.21#/acre		GCA (based on AP-42)

^aWhen AP-42 is designated, the latest factors through supplement 12 were used.

Pesticide Application

Data on the quantity of pesticide, including biologically inert solvent, applied statewide in 1979 were available from the New Hampshire Pesticide Control Board.¹⁵ At the suggestion of the Pesticide Control Board, it was assumed that no significant change in the quantity of pesticides applied occurred between 1979 and 1980. Statewide figures were apportioned to counties assuming pesticide application was inversely proportional to population.

On Highway Motor Vehicles

Statewide vehicle miles traveled (VMT) data for 1979 were available from the New Hampshire Department of Transportation. At the suggestion of the DOT, no change in VMT through 1980 was assumed. County-specific VMT estimates were derived by apportioning statewide VMT to counties based on 1980 population.¹⁴ Emission factors were developed using the MOBILE2 emission model, and the VMT distribution, speed, temperature and cold/hot start assumptions presented in Volume I.⁴

Residential Fuel Combustion

Fuel used in the residential sector was estimated using the equations presented in Reference 10. The number of housing units using each individual fuel type were determined using the following equation:

$$H_{i\ 80} = H_{i\ 70} \left(\frac{H_{T\ 80}}{H_{T\ 70}} \right)$$

where $H_{i\ 80}$ = Number of housing units using fuel type i in 1980

$H_{i\ 70}$ = Number of housing units using fuel type i in 1970 (from the 1970 Census of Housing)

$H_{T\ 80}$ = Number of total housing units in 1980 (from the 1980 Census)

$H_{T\ 70}$ = Number of total housing units in 1970 (from the 1970 Census)

This method, used in lieu of fuel-specific data for 1980, assumes an insignificant change in fuel mix from 1970 to 1980. The emission factor for LPG was derived assuming a 1:1 ratio of propane to butane. Emission factors for the remaining fuels were obtained directly from AP-42.

Commercial/Institutional and Industrial Fuel Combustion

To determine area source fuel use in the commercial/institutional and industrial sectors, the following approach was used. Total statewide fuel use was available for 1978 or 1979 from the sources listed in Table 10. Historical data back to 1970 were obtained from earlier versions of the same references. Total 1980 fuel use was estimated through linear regression of

the 1970 to 1978/79 data. For each fuel, area source use in the commercial/institutional and industrial sectors was calculated using the following equation:

$$C/I \text{ \& } I_{80-x} = (T_{80-x}) - (R_{80-x}) - (P_{80-x})$$

where $C/I \text{ \& } I_{80-x}$ = Commercial/Institutional and Industrial area source use of fuel x in 1980

T_{80-x} = Total use of fuel-x in 1980 (estimated previously through linear regression)

R_{80-x} = Residential use of fuel-x in 1980 (calculated previously)

P_{80-x} = Point source use of fuel-x in 1980 (determined from point source inventory)

For residual and distillate oil, it was found that the residential and point source use accounted for more oil than the estimated total use for New Hampshire in 1980. This can be explained by one or more of the following:

- The 1980 predicted total oil use is an underestimate of actual use in 1980
- The point source use of oil is overestimated in the point source inventory
- The Reference 10 procedures for estimating residential fuel oil use resulted in an overestimate in New Hampshire, probably due to changes in the residential fuel mix since 1970.

Since the total oil use was based on data from two independent sources, the Department of Energy and the American Petroleum Institute, and regressions used to predict 1980-values had reasonable correlation coefficients (0.89 for residual oil; 0.81 for distillate oil) there is no sound basis for discounting the DOE and API statistics. Also, since historically over 95 percent of all oil use in New Hampshire is attributable to the residential and point source users,¹⁶ it was determined that assuming that essentially all oil use had been accounted for by the point sources and residential users would not result in significant error. Further, assuming insignificant area source oil use would offset somewhat the apparent overestimated use of the residential sector due to increased supplemental wood heating since 1970. Therefore, no emissions were attributed to commercial or industrial area source oil use.

Aircraft Operations

Aircraft landing and takeoff (LTO) data were available for 1979 from the Federal Aviation Administration (FAA). Based on historical FAA data, it was determined that changes in the quantity of LTO operations between 1979 and 1980 in New Hampshire were probably insignificant. Therefore, 1979 data were used as approximations of 1980 activity. Composite emissions factors for civil, commercial, and military aircraft LTOs were obtained from EPA/NADB.¹⁹

Railroad Locomotives

Historical data on sales of fuel oil to railroads from 1979 to 1978 were available from the sources listed in Table 10. The 1980 statewide use was determined through linear regression. County-specific use was determined by apportioning statewide use to counties on the basis of railroad right-of-way, measured from state rail line maps. For one county, Hillsborough, significant rail yard activity was noted and, in accordance with the Reference 10 procedures, the right-of-way mileage for that county was doubled in the apportionment calculations.

Structural Fires

The State Fire Marshall was unable to provide the number of structural fires in New Hampshire during 1980. At his suggestion,²⁰ the EPA default value of 1 fire per 1000 population was used along with emission factors supplied by EPA/NADB²¹ and the 1980 census to estimate emissions on a county-specific basis.

DEVELOPMENT OF EIS/AS MASTER FILE

After emissions were calculated 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.

RESULTS

Statewide totals of 1980 VOC and NO_x emissions from area sources in New Hampshire are provided in Table 11.

TABLE 11. ANNUAL EMISSIONS (1980) OF VOC AND NO_x FROM AREA SOURCES IN NEW HAMPSHIRE

02/25/P2

GCA / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

STATE SUMMARY

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT EMISSION F.A.C.	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	398566	THOUS GAL	NOX VOC	0 1666
002	STAGE II GASOLINE EVAP	396816	THOUS GAL	NOX VOC	0 1924
003	STORAGE TANK BREATHING	398566	THOUS GAL	NOX VOC	0 200
004	GASOLINE LOADING/TRANSIT	398566	THOUS GAL	NOX VOC	0 1370
005	SM IND/COMM DEGREASING	919114	POPULATION	NOX VOC	0 3487
006	DRY CLEANING	919114	POPULATION	NOX VOC	0 560
007	PCB SURFACL COATING	919114	POPULATION	NOX VOC	0 2113
008	AUTO BODY REFINISHING	919114	POPULATION	NOX VOC	0 873
010	GRAPHIC ARTS	919114	POPULATION	NOX VOC	0 367
011	COMM/CLRS SOLVENT USE	919114	POPULATION	NOX VOC	0 2895
012	CUTBACK ASPHALT	797	TON	NOX VOC	0 158
013	PESTICIDES	307314	LBS	NOX VOC	0 137
014	ON-HIGHWAY LDV	4989287	THOUS VMT	NOX VOC	21443 23133

02/03/02

TABLE 11 (continued)

603 / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW JERSEY

STATE SUMMARY

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT EMISSION I.C. FACTOR	EMISSIONS ESTIMATE
015	ON-HIGHWAY LD11	596859	THOUS VMT	NOX VOC	2473 2563
016	ON-HIGHWAY LD12	296340	THOUS VMT	NOX VOC	1792 1909
017	ON-HIGHWAY HD6	266603	THOUS VMT	NOX VOC	3580 3256
018	ON-HIGHWAY HD0	209474	THOUS VMT	NOX VOC	5497 625
019	ON-HIGHWAY HC	57130	THOUS VMT	NOX VOC	33 490
020	RESIDENTIAL ANTHRACITE	12613	TON	NOX VOC	18 15
023	RESIDENTIAL DISTILLATE	403994	THOUS GAL	NOX VOC	3637 204
024	RESIDENTIAL NATURAL GAS	6521	MIL CU FT	NOX VOC	260 25
025	RESIDENTIAL LPG	27488	THOUS GAL	NOX VOC	102 11
026	RESIDENTIAL WOOD	174623	TON	NOX VOC	88 438
031	COMM/INST NATURAL GAS	1722	MIL CU FT	NOX VOC	102 5
032	COMM/INST LPG	17735	THOUS GAL	NOX VOC	98 5
041	MILITARY AIRCRAFT	28452	LND/TAKE OFF	NOX VOC	131 385

02/05/87

TABLE 11 (continued)

GLA / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

STATE SUMMARY			PROCESS		POLLUTANT EMISSION F.D. FACTOR	EMISSIONS ESTIMATE
CATEGORY NUMBER	CATEGORY DESCRIPTION	UNITS	RATE	1005510 LND/TAKE OFF		
042	CIVIL AIRCRAFT				NOX VOC	15 222
043	COMMERCIAL AIRCRAFT			6510 LND/TAKE OFF	NOX VOC	27 39
044	RAILROAD LOCOMOTIVES			94 THOUS GAL	NOX VOC	17 4
045	VESSELS - GASOLINE			4201 THOUS GAL	NOX VOC	82 1802
046	VESSELS - DISTILLATE OIL			187 THOUS GAL	NOX VOC	25 5
048	OFF-HIGHWAY VEHICLES-GAS			7454 THOUS GAL	NOX VOC	396 995
049	OFF-HIGHWAY VEH - DIESEL			20044 THOUS GAL	NOX VOC	4221 391
050	ON-SITE INCINERATION			89103 TON	NOX VOC	54 1652
051	OPEN BURNING			325616 TON	NOX VOC	499 4724
052	STRUCTURAL FIRES			5514 FIRES	NOX VOC	46 255
053	FILL/SLASH BURNING			3000 TON	NOX VOC	6 36
054	FOREST FIRES			594 AC/E	NOX VOC	13 78
STATE AND REGION TOTALS						45306 59187

SECTION 5

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APPENDIX A

POINT SOURCE EMISSIONS BY CATEGORY FOR THE
NEW HAMPSHIRE COUNTIES

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

<u>County</u>	<u>EIS/NEDS County Code</u>
Belknap	0020
Carroll	0060
Cheshire	0080
Coos	0140
Grafton	0240
Hillsborough	0300
Merrimack	0440
Rockingham	0580
Strafford	0640
Sullivan	0660

TABLE A-1. COUNTY SUMMARIES OF POINT SOURCE EMISSIONS (1979) FOR NEW HAMPSHIRE

09/21/82

SCA / TECHNOLOGY DIVISION
NEW HAMPSHIRE 1979 INVENTORY

COUNTY:0000

CATEGORY	POINT COUNT	----- PRIMARY -----		SCC 002	EMISSIONS NOX	(TUNS/YEAR)		CO
		ISF	HC			HC	CO	
1 OIL AND GAS PRODUCTION & PROCESSING	0	0	0	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	0	0	0	0	0	0	0	0
3 GASOLINE AND CHJOL OIL STORAGE	0	0	0	0	0	0	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	0	0	0	0	0	0	0	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0	0	0
8 TANK TRUCK LOADING	0	0	0	0	0	0	0	0
9 SERVICE STATION -LOADING (STAGE I)	0	0	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0	0	0
11 OTHERS-(STORAGE, TRANSP., MGT OF VOC)	0	0	0	0	0	0	0	0
12 LULU OIL MANUFACTURE	0	0	0	0	0	0	0	0
13 PETROLEUM REFINERIES	0	0	0	0	0	0	0	0
14 PHARMACEUTICAL MANUFACTURE	0	0	0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	0	0	0	0	0	0	0	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0	0	0
18 INORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0	0	0
19 FERMENTATION PROCESSES	0	0	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0	0	0
23 SBR RUBBER MANUFACTURE	0	0	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	0	0	0	0	0	0	0	0
25 IRON AND STEEL MANUFACTURE	3	3	35	35	36	1	1	1
26 TOBACCO PRODUCTS	0	0	0	0	0	0	0	0
27 FOOD PRODUCTS	0	0	0	0	0	0	0	0
28 LAXILL MILL PRODUCTS	0	0	0	0	0	0	0	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	1	0	0	0	0	0	0	0
31 STONE,CLAY, GLASS, CONCRETE	3	11	13	13	10	62	62	62
32 PRIMARY & SECONDARY METALS & ELECTRICAL	0	0	0	0	0	0	0	0
33 FABRICATED METAL PRODUCTS	0	0	0	0	0	0	0	0
34 IN-PROCESS FUEL USE	0	0	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	0	62	0	0	0	62	0	0
36 ADHESIVES	0	0	0	0	0	0	0	0
37 IND. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0	0	0
38 IND. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0	0	0
39 IND. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0	0	0
40 IND. SFC. COATING-CANS	0	0	0	0	0	0	0	0
41 IND. SFC. COATING-METAL COILS	0	0	0	0	0	0	0	0
42 IND. SFC. COATING-PAPER	0	0	0	0	0	0	0	0
43 IND. SFC. COATING-FABRIC	0	0	0	0	0	0	0	0
44 IND. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0	0	0
45 IND. SFC. COATING-METAL/WOOD PRODUCTS	0	0	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0	0	0
49 IND. SFC. COATING-MISC. METAL PRODUCTS	0	0	0	0	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	1	0	0	0	0	0	0	0

TABLE A-1 (continued)

09/21/82		SCA / TECHNOLOGY DIVISION NEW HAMPSHIRE 1979 INVENTORY		COUNTY:0020	
CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	EMISSIONS (TUNS/YEAR)	----- HC
51 DEGREASING	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0
53 GRAPHIC ARTS	0	0	0	0	0
54 OTHER - (SOLVENT USE)	0	0	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	0	0	0	0	0
59 EXT. COMB. BOILERS-INDUSTRIAL	10	17	178	38	0
60 EXT. COMB. BOILERS-COMM/INST	0	0	175	39	0
61 EXT. COMB. SPACE HEATERS-INDUST.	0	0	0	0	0
62 EXT. COMB. SPACE HEATERS-COMM.	0	0	0	0	0
63 OTHERS-(FUEL COMBUSTION)	0	0	0	0	0
64 SOLID WASTE DISPOSAL-GOVT.	0	0	0	0	0
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	0	0	0	0	0
67 OTHER SOLID WASTE DISPOSAL	0	0	0	0	0
68 WASTE SOLVENT RECOVERY PROCESSES	0	0	0	0	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	0	0	0	0	0
70 NOT CLASSIFIED	0	0	0	0	0
COUNTY TOTALS		174	407	122	199

TABLE A-1 (continued)

09/21/82

DOA / TECHNOLOGY DIVISION
NEW HAMPSHIRE 1979 INVENTORY

PAGE 9

COUNTY:0060

CATEGORY	PPOINT COUNT	----- TSP	PRIMARY S02	MISSIONS NOX	(TONS/YEAR) HC	----- C
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 PLANTS	0	0	0	0	0	0
8 TANK TRUCK LOADING	0	0	0	0	0	0
9 SERVICE STATION -JADING (STAGE I)	0	0	0	0	0	0
10 SERVICE STATION JUDAGING (STAGE II)	0	0	0	0	0	0
11 CIPERS-(STORAGE) TRANSP. FKT OF VOC	0	0	0	0	0	0
12 LOPE 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 SBR 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 TAPCOO PRODUCTS	0	0	0	0	0	0
27 FOOD PRODUCTS	0	0	0	0	0	0
28 T-XTILE 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	1	1	5	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)	0	0	0	0	0	0
36 ADHESIVES	0	0	0	0	0	0
37 IND. SFC. COATING-LARGE APP-IANCES	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	1	0	0	0	72	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)

SCA / TECHNOLOGY DIVISION
NEW HAMPSHIRE 1979 INVENTORY

09/21/82

COUNTY:0060

CATEGORY	POINT COJNT	----- TSP -----		PRIMARY SO2		EMISSIONS (TONS/YEAR)		----- HC -----		CO
						NOX				
51 DEGREASING	0	0	0	0	0	0	0	0	0	0
52 DRY CLEANING	0	0	0	0	0	0	0	0	0	0
53 GRAPHIC ARTS	0	0	0	0	0	0	0	0	0	0
54 OTHER - (SOLVENT USE)	0	0	0	0	0	0	0	0	0	0
55 ARCHITECTURAL COATINGS	0	0	0	0	0	0	0	0	0	0
56 AUTO REFINISHING	0	0	0	0	0	0	0	0	0	0
57 OTHERS-(NON-INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0	0	0	0	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	0	0	0	0	0	0	0	0	0	0
59 EXT. COMB. BOILERS-INDUSTRIAL	0	0	0	0	0	0	0	0	0	0
60 EXT. COMB. BOILERS-COMM/INST	1	1	10	0	4	0	0	0	0	0
61 EXT. COMB. SPACE HEATERS-INDUST.	0	0	0	0	0	0	0	0	0	0
62 EXT. COMB. SPACE HEATERS-COMM.	0	0	0	0	0	0	0	0	0	0
63 OTHERS-(FUEL COMBUSTION)	0	0	0	0	0	0	0	0	0	0
64 SOLID WASTE DISPOSAL-GOVT.	1	13	1	0	5	24	0	0	0	59
65 SOLID WASTE DISPOSAL-COMM/INST	0	0	0	0	0	0	0	0	0	0
66 SOLID WASTE DISPOSAL-INDUSTRIAL	0	0	0	0	0	0	0	0	0	0
67 OTHER SOLID WASTE DISPOSAL	0	0	0	0	0	0	0	0	0	0
68 WASTE SOLVENT RECOVERY PROCESSES	0	0	0	0	0	0	0	0	0	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	1	5	55	68	3	15	0	0	0	0
70 NOT CLASSIFIED	0	0	0	0	0	0	0	0	0	0
COUNTY TOTALS		20	72	77	102	84				

TABLE A-1 (continued)

09/21/82

SCA / TECHNOLOGY DIVISION
NEW HAMPSHIRE 1979 INVENTORY

COUNTY: 0080

CATEGORY	POINT COJNT	----- PRIMARY -----					EMISSIONS (TONS/YEAR)					-----	
		TSP	SO2	NOX	HC	CO	COJNT	SO2	NOX	HC	CO	COJNT	CO
1 OIL AND GAS PRODUCTION & PROCESSING	0	0	0	0	0	0	0	0	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	0	0	0	0	0	0	0	0	0	0	0	0	0
3 GASOLINE AND CRUDE OIL STORAGE	0	0	0	0	0	0	0	0	0	0	0	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0	0	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0	0	0	0	0	0	0	0
8 TANK TRUCK LOADING	0	0	0	0	0	0	0	0	0	0	0	0	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0	0	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0	0	0	0	0	0	0	0
11 OTHERS--(STORAGE, TRANSP. + MGT OF VOC)	0	0	0	0	0	0	0	0	0	0	0	0	0
12 LUBE OIL MANUFACTURE	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PETROLEUM REFINERIES	0	0	0	0	0	0	0	0	0	0	0	0	0
14 PHARMACEUTICAL MANUFACTURE	0	0	0	0	0	0	0	0	0	0	0	0	0
15 TEXTILE POLYMERS & RESIN MANUFACTURE	0	0	0	0	0	0	0	0	0	0	0	0	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0	0	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0	0	0	0	0	0	0	0
18 INORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0	0	0	0	0	0	0	0
19 FERMENTATION PROCESSES	0	0	0	0	0	0	0	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0	0	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SBR RUBBER MANUFACTURE	0	0	0	0	0	0	0	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	0	0	0	0	0	0	0	0	0	0	0	0	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0	0	0	0	0	0	0	0
26 TOBACCO PRODUCTS	0	0	0	0	0	0	0	0	0	0	0	0	0
27 FOOD PRODUCTS	1	20	0	0	0	0	1	0	0	0	0	1	0
28 TEXTILE MILL PRODUCTS	1	0	0	0	0	0	1	0	0	263	0	1	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	0	0	0	0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	0	0	0	0	0	0	0	0	0
31 STONE+CLAY+GLASS+CONCRETE	2	66	3	7	0	0	2	3	7	0	0	2	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	0	0	0	0	0	0	0	0	0	0	0	0	0
33 FABRICATED METAL PRODUCTS	0	0	0	0	0	0	0	0	0	0	0	0	0
34 IN-PROCESS FUEL USE	0	0	0	0	0	0	0	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	1	45	1	0	0	0	1	1	0	20	0	1	0
36 ADHESIVES	0	0	0	0	0	0	0	0	0	0	0	0	0
37 IND. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0	0	0	0	0	0	0	0
38 IND. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0	0	0	0	0	0	0	0
39 IND. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0	0	0	0	0	0	0	0
40 IND. SFC. COATING-CANS	0	0	0	0	0	0	0	0	0	0	0	0	0
41 IND. SFC. COATING-METAL COILS	0	0	0	0	0	0	0	0	0	0	0	0	0
42 IND. SFC. COATING-PAPER	0	0	0	0	0	0	0	0	0	0	0	0	0
43 IND. SFC. COATING-FABRIC	0	0	0	0	0	0	0	0	0	0	0	0	0
44 IND. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0	0	0	0	0	0	0	0
45 IND. SFC. COATING-METAL/WOOD PRODUCTS	2	0	0	0	0	0	2	0	0	135	0	2	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0	0	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0	0	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0	0	0	0	0	0	0	0
49 IND. SFC. COATING-MISC. METAL PRODUCTS	1	0	0	0	0	0	1	0	0	44	0	1	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	2	0	0	0	0	0	2	0	0	30	0	2	0

TABLE A-1 (continued)

09/21/82		SCA / TECHNOLOGY DIVISION	
		NEW HAMPSHIRE 1979 INVENTORY	
COUNTY:0080			
CATEGORY	JOINT CJVT	----- PRIMARY TSP	SCC EMISSIONS (TONS/YEAR) SO2 NOX HC CO
51 DREGREASING	2	0	0 48 0
52 DRY CLEANING	0	0	0 0 0
53 GRAPHIC ARTS	1	0	0 0 325 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	28	142	1045 219 10 31
59 EXT. COMB. BOILERS-INDUSTRIAL	1	3	75 14 1 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	1	0	0 0 1 0
69 STATIONARY INTERNAL COMBUSTION ENGINES	0	0	0 0 0 0
70 NOT CLASSIFIED	0	0	0 0 0 0
COUNTY TOTALS		276	1125 240 883 32

TABLE A-1 (continued)

SCA / TECHNOLOGY DIVISION
NEW HAMPSHIRE 1979 INVENTORY

09/21/82

COUNTY:0140

CATEGORY	POINT COUNT	PRIMARY		EMISSIONS (TUNS/YEAR)		CO2	
		TSO	HC	NOX	HC	CO	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 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	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	3	1498	630	0	0	3936	0
31 STONE,CLAY,GLASS,CONCRETE	2	4	19	5	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)	1	0	0	0	81	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	0	0	0	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0	0

TABLE A-1 (continued)

09/21/82		SCA / TECHNOLOGY DIVISION NEW HAMPSHIRE 1979 INVENTORY		COUNT		PRIMARY		SCC		EMISSIONS (TUNS/YEAR)		-----	
COUNTY:0140				POINT		TSP		SO2		NOX		HC	
CATEGORY				COUNT								CO	
51	DEGREASING			0		0		0		0		0	
52	DRY CLEANING			0		0		0		0		0	
53	GRAPHIC ARTS			0		0		0		0		0	
54	OTHER - (SOLVENT USE)			0		0		0		0		0	
55	ARCHITECTURAL COATINGS			0		0		0		0		0	
56	AUTO REFINISHING			0		0		0		0		0	
57	OTHERS-(NON-INDUSTRIAL SURFACE COATING)			0		0		0		0		0	
58	EXT. COMB. BOILERS-ELEC. GENERATION			2		74		1997		600		5	
59	EXT. COMB. BOILERS-INDUSTRIAL			10		260		7144		1294		25	
60	EXT. COMB. BOILERS-COMM/INST			3		5		131		25		0	
61	EXT. COMB. SPACE HEATERS-INDUST.			0		0		0		0		0	
62	EXT. COMB. SPACE HEATERS-COMM.			0		0		0		0		0	
63	OTHERS-(FUEL COMBUSTION)			0		0		0		0		0	
64	SOLID WASTE DISPOSAL-GOVT.			1		4		0		2		8	
65	SOLID WASTE DISPOSAL-COMM/INST			0		0		0		0		0	
66	SOLID WASTE DISPOSAL-INDUSTRIAL			0		0		0		0		0	
67	OTHER SOLID WASTE DISPOSAL			0		0		0		0		0	
68	WASTE SOLVENT RECOVERY PROCESSES			0		0		0		0		0	
69	STATIONARY INTERNAL COMBUSTION ENGINES			1		3		31		38		3	
70	NOT CLASSIFIED			0		0		0		0		0	
COUNTY TOTALS						1848		9952		1963		160	
													4075

TABLE A-1 (continued)

05/21/82

SCA / TECHNOLOGY DIVISION
NEW HAMPSHIRE 1979 INVENTORY

COUNTY:0240

CATEGORY	POINT COUNT	TSP	PRIMARY SO2	EMISSIONS NOX	(TONS/YEAR) HC	CO
1 OIL AND GAS PRODUCTION & PROCESSING	3	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	3	0	0	0	0	0
5 BARGE AND TANKER CLEANING	3	0	0	0	0	0
6 BULK GASOLINE TERMINALS	3	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)	3	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 POLYESTERS & 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	3	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	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	4	454	7	4	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	0	0
31 STONE, CLAY, GLASS, CONCRETE	12	51	55	25	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)	0	0	0	0	0	0
36 ADHESIVES	1	0	0	0	437	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-TANKS	0	0	0	0	0	0
41 IND. SFC. COATING-META. 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/FOOD PRODUCTS	1	10	0	0	25	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.META. PRODUCTS	0	0	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	2	0	0	0	124	0

TABLE A-1 (continued)

SCA / TECHNOLOGY DIVISION
NEW HAMPSHIRE 1979 INVENTORY

09/21/82

COUNTY: 0240

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	SCC EMISSIONS NOX	(TONS/YEAR) HC	----- CO
51 DEGREASING	1	0	0	0	35	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	1	20	477	158	2	8
59 EXT. COMB. BOILERS-INDUSTRIAL	11	239	251	107	14	17
60 EXT. COMB. BOILERS-COMM/INST	4	8	187	36	1	4
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-INDUSTRIA.	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		762	978	331	638	29

TABLE A-1 (continued)

09/21/82

SCA /, TECHNOLOGY DIVISION
NEW HAMPSHIRE 1979 INVENTORY

PAGE 21

COUNTY:0300

CATEGORY	POINT COUNT	TSP	PRIMARY SO2	EMISSIONS NOX	(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	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 UNLOADING (STAGE I)	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0
11 OTHERS-(STORAGE, TRANSFER, MKT OF VOC)	0	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	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 FENMENTATION 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	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)	0	0	0	0	0	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-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)	0	0	0	0	0	0

TABLE A-1 (continued)

SCA / TECHNOLOGY DIVISION
NEW HAMPSHIRE 1979 INVENTORY

09/21/82

COUNTY:0300

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	SCC EMISSIONS NOX	(TONS/YEAR) HC	----- CO
51 DEGREASING	8	1	0	0	338	0
52 DRY CLEANING	1	0	0	0	31	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	1	0
58 EXT. COMB. BOILERS-ELEC. GENERATION	2	6	140	46	2	2
59 EXT. COMB. BOILERS-INDUSTRIAL	65	158	2841	660	433	54
60 EXT. COMB. BOILERS-COMM/INST	13	13	235	54	1	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	1	0	0	0	75	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	0	0	0	0	0	0
70 NOT CLASSIFIED	0	0	0	0	0	0
COUNTY TOTALS		302	3254	777	9397	61

TABLE A-1 (continued)

SCA / TECHNOLOGY DIVISION
NEW HAMPSHIRE 1979 INVENTORY

09/21/82

COUNTY:0440

CATEGORY	POINT COUNT	----- TSP	PRIMARY SCC	EMISSIONS SO2	NOX	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 1)	0	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0	0
11 OTHERS-(STORAGE, TRANS., 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	5	31	34	5	5	5	5
32 PRIMARY & SECONDARY METALS & ELECTRICAL	1	1	0	3	3	3	3
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)	1	1	1	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-TEXTILE	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/FOOD PRODUCTS	1	0	0	0	0	37	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	1	0	0	0	0	0	0
49 IND. SFC. COATING-MISC. METAL PRODUCTS	1	0	0	0	0	7	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	2	0	0	0	0	825	0

TABLE A-1 (continued)

09/21/82

SCA / TECHNOLOGY DIVISION
NEW HAMPSHIRE 1979 INVENTORY

COUNTY: 0440

CATEGORY	POINT COUNT	----- ISP	PRIMARY SO2	EMISSIONS NOX	(TONS/YEAR) HC	----- CO
51 DEGREASING	1	0	0	0	20	0
52 DRY CLEANING	0	0	0	0	0	0
53 GRAPHIC ARTS	1	0	0	0	74	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	405	53553	29757	164	342
59 EXT. COMB. BOILERS-INDUSTRIAL	12	81	699	156	7	10
60 EXT. COMB. BOILERS-COMM/INST	16	39	908	176	5	14
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-30VT.	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	2	0	0	0	57	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	1	1	10	12	1	3
70 NOT CLASSIFIED	0	0	0	0	0	0
COUNTY TOTALS		559	55208	30109	1197	574

TABLE A-1 (continued)

SCA / TECHNOLOGY DIVISION
NEW HAMPSHIRE 1979 INVENTORY

09/21/82

COUNTY:0500

CATEGORY	POINT COUNT	PRIMARY EMISSIONS (TONS/YEAR)				OTHER EMISSIONS (TONS/YEAR)			
		TSP	SO ₂	NO _x	HC	CO	NO _x	HC	CO
1 OIL AND GAS PRODUCTION & PROCESSING	0	0	0	0	0	0	0	0	0
2 SYN. ORGANIC CHEM. STORAGE & TRANSFER	0	0	0	0	0	0	0	0	0
3 GASOLINE AND CRUDE OIL STORAGE	9	0	0	0	1133	0	0	0	0
4 SHIP AND BARGE TRANSFER OF VOC	0	0	0	0	0	0	0	0	0
5 BARGE AND TANKER CLEANING	0	0	0	0	0	0	0	0	0
6 BULK GASOLINE TERMINALS	0	0	0	0	0	0	0	0	0
7 GASOLINE BULK PLANTS	0	0	0	0	0	0	0	0	0
8 TANK TRUCK LOADING	0	0	0	0	0	0	0	0	0
9 SERVICE STATION LOADING (STAGE I)	0	0	0	0	0	0	0	0	0
10 SERVICE STATION UNLOADING (STAGE II)	0	0	0	0	0	0	0	0	0
11 OTHERS-(STORAGE, TRANSP., MKT OF VOC)	6	0	0	0	2883	0	0	0	0
12 LUBE OIL MANUFACTURE	0	0	0	0	0	0	0	0	0
13 PETROLEUM REFINERIES	4	13	213	43	0	2	0	0	0
14 PHARMACEUTICAL MANUFACTURE	0	0	0	0	0	0	0	0	0
15 TEXTILE POLYMER & RESIN MANUFACTURE	0	0	0	0	0	0	0	0	0
16 SYNTHETIC FIBER MANUFACTURE	0	0	0	0	0	0	0	0	0
17 ORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0	0	0	0
18 INORGANIC CHEMICAL MANUFACTURE	0	0	0	0	0	0	0	0	0
19 FERMENTATION PROCESSES	0	0	0	0	0	0	0	0	0
20 VEGETABLE OIL PROCESSING	0	0	0	0	0	0	0	0	0
21 PLASTIC PRODUCTS MANUFACTURE	0	0	0	0	0	0	0	0	0
22 RUBBER TIRE MANUFACTURE	0	0	0	0	0	0	0	0	0
23 SBR RUBBER MANUFACTURE	0	0	0	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	0	0	0	0	0	0	0	0	0
25 IRON AND STEEL MANUFACTURE	0	0	0	0	0	0	0	0	0
26 TOBACCO PRODUCTS	0	0	0	0	0	0	0	0	0
27 FOOD PRODUCTS	0	0	0	0	0	0	0	0	0
28 TEXTILE MILL PRODUCTS	4	1	0	8	0	1	0	0	0
29 LUMBER AND WOOD PRODUCTS	0	0	0	0	0	0	0	0	0
30 PAPER AND ALLIED PRODUCTS	0	0	0	0	0	0	0	0	0
31 STONE, CLAY, GLASS, CONCRETE	10	177	75	15	0	0	0	0	0
32 PRIMARY & SECONDARY METALS & ELECTRICAL	0	0	0	0	0	0	0	0	0
33 FABRICATED METAL PRODUCTS	0	0	0	0	0	0	0	0	0
34 IN-PROCESS FUEL USE	5	0	7	1	500	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	0	0	0	0	0	0	0	0	0
36 ADHESIVES	0	0	0	0	0	0	0	0	0
37 IND. SFC. COATING-LARGE APPLIANCES	0	0	0	0	0	0	0	0	0
38 IND. SFC. COATING-MAGNET WIRE	0	0	0	0	0	0	0	0	0
39 IND. SFC. COATING-AUTOMOBILE	0	0	0	0	0	0	0	0	0
40 IND. SFC. COATING-CANS	0	0	0	0	0	0	0	0	0
41 IND. SFC. COATING-METAL COILS	0	0	0	0	0	0	0	0	0
42 IND. SFC. COATING-PAPER	1	0	0	0	260	0	0	0	0
43 IND. SFC. COATING-FABRIC	0	0	0	0	0	0	0	0	0
44 IND. SFC. COATING-MISC. FURNITURE	0	0	0	0	0	0	0	0	0
45 IND. SFC. COATING-METAL/WOOD PRODUCTS	0	0	0	0	0	0	0	0	0
46 PLASTIC PARTS PAINTING	0	0	0	0	0	0	0	0	0
47 LARGE SHIPS	0	0	0	0	0	0	0	0	0
48 LARGE AIRCRAFT	0	0	0	0	0	0	0	0	0
49 IND. SFC. COATING-MISC. METAL PRODUCTS	0	0	0	0	0	0	0	0	0
50 OTHERS - (INDUSTRIAL SURFACE COATING)	0	0	0	0	0	0	0	0	0

TABLE A-1 (continued)

SCA / TECHNOLOGY DIVISION
NEW HAMPSHIRE 1979 INVENTORY

09/21/82

COUNTY:0580

CATEGORY	POINT COUNT	----- TSP	PRIMARY SO2	SCC EMISSIONS NOX	(TUNS/YEAR) HC	----- CO
51 DEGREASING	2	0	0	0	140	0
52 DRY CLEANING	1	0	0	0	44	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	13	503	29195	14774	505	854
59 EXT. COMB. BOILERS-INDUSTRIAL	17	50	1239	239	7	23
60 EXT. COMB. BOILERS-CJMY/INST	7	13	337	63	3	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	1	0	0	0	390	0
69 STATIONARY INTERNAL COMBUSTION ENGINES	1	5	1	13	2	4
70 NOT CLASSIFIED	0	0	0	0	0	0
COUNTY TOTALS		762	31073	15162	5867	992

TABLE A-1 (continued)

GCA / TECHNOLOGY DIVISION
NEW HAMPSHIRE 1979 NEQS INVENTORY

02/25/82

COUNTY: 0640

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 SOLV. 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 GASES-STORED TRANSFER BY WAY OF VOC	0	0	0	0	0	0
12 COKE 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 POLYMER 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 FERTILIZATION 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 SOFT RUBBER MANUFACTURE	0	0	0	0	0	0
24 OTHER CHEMICAL MANUFACTURE	0	0	0	0	0	0
25 TIRE AND STEEL MANUFACTURE	0	0	0	0	0	0
26 THERMOPLASTIC DUCTS	0	0	0	0	0	0
27 FLOOR PRODUCTS	0	0	0	0	0	0
28 LATEX MILL PRODUCTS	0	0	0	0	0	0
29 RUBBER AND PLASTIC 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 AND SECONDARY METALS & ELECTRICAL	0	0	0	0	0	0
33 FERRICITIC METAL PRODUCTS	0	0	0	0	0	0
34 IRON-PROCESS FUEL USE	0	0	0	0	0	0
35 OTHERS - (INDUSTRIAL PROCESSES)	0	0	0	0	0	0
36 ADHESIVES	0	0	0	0	0	0
37 IND. SPEC. COATING-LARGE APPLIANCES	0	0	0	0	0	0
38 IND. SPEC. COATING-JACKET WIRE	0	0	0	0	0	0
39 IND. SPEC. COATING-AUTOMOBILE	0	0	0	0	0	0
40 IND. SPEC. COATING-CAN'S	0	0	0	0	0	0
41 IND. SPEC. COATING-METAL COILS	0	0	0	0	0	0
42 IND. SPEC. COATING-PAPER	0	0	0	0	0	0
43 IND. SPEC. COATING-PAINTS	0	0	0	0	0	0
44 IND. SPEC. COATING-MISC. FURNITURE	0	0	0	0	0	0
45 IND. SPEC. 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. SPEC. COATING-MISC. METAL PRODUCTS	0	0	0	0	0	0
50 OTHERS - (CONDUCTORIAL SURFACE COATING)	0	0	0	0	0	0

TABLE A-1 (continued)

09/21/82

SCA / TECHNOLOGY DIVISION
NEW HAMPSHIRE 1979 INVENTORY

COUNTY: 0640

CATEGORY	POINT COUNT	PRIMARY SCC EMISSIONS (TONS/YEAR)					CO
		ISP	SO2	NOX	HC	CO	
51 DEGREASING	6	0	0	0	513	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. CUMB. BOILERS-ELEC. GENERATION	0	0	0	0	0	0	
59 EXT. CUMB. BOILERS-INDUSTRIAL	24	41	944	185	7	15	
60 EXT. CUMB. BOILERS-COMM/INST	3	23	611	113	5	8	
61 EXT. CUMB. SPACE HEATERS-INDUST.	0	0	0	0	0	0	
62 EXT. CUMB. SPACE HEATERS-COMM.	0	0	0	0	0	0	
63 OTHERS-(FUEL COMBUSTION)	0	0	0	0	0	0	
64 SOLID WASTE DISPOSAL-GOVT.	1	31	7	5	4	91	
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		147	1565	310	2475	114	

TABLE A-1 (continued)

3CA / TECHNOLOGY DIVISION
NEW HAMPSHIRE 1979 INVENTORY

09/21/82

COUNTY:0660

CATEGORY	POINT COUNT	----- TSP	PRIMARY S02	EMISSIONS NOX	(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 VSC	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 VSC)	0	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	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 SBR 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	1	1	1	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)	0	0	0	0	0	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--AIRCRAFT	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)

09/21/82

SCA / TECHNOLOGY DIVISION
NEW HAMPSHIRE 1979 INVENTORY

COUNTY: 0660

CATEGORY	POINT COUNT	PRIMARY SCC EMISSIONS (TONS/YEAR)					-----	
		TSP	SO2	NOx	HC	CO		
51 DEGREASING	2	0	0	0	63	0		
52 DRY CLEANING	0	0	0	0	0	0		
53 GRAPHIC ARTS	0	0	0	0	0	0		
54 OTHER - (SOLVENT USED)	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	55	0		
58 EXT. COMB. BOILERS-ELEC. GENERATION	0	0	0	0	0	0		
59 EXT. COMB. BOILERS-INDUSTRIAL	12	25	585	112	4	10		
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		26	587	112	123	19		

APPENDIX B

AREA SOURCE EMISSIONS BY CATEGORY FOR THE
NEW HAMPSHIRE COUNTIES

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

<u>County</u>	<u>EIS/NEDS County Code</u>
Belknap	0020
Carroll	0060
Cheshire	0080
Coos	0140
Grafton	0240
Hillsborough	0300
Merrimack	0440
Rockingham	0580
Strafford	0640
Sullivan	0660

TABLE B-1. COUNTY SUMMARIES OF AREA SOURCE EMISSIONS (1979) FOR NEW HAMPSHIRE

02/25/82

SC1 / TECHNOLOGY DIVISION AREA SOURCE MASTER FILE SUMMARY FOR NEW HAMPSHIRE						
COUNTY: 0020						
CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000015943	THOUS GAL	THC	8.35	0000067
002	STAGE II GASOLINE EVAP	000015873	THOUS GAL	THC	9.70	0000077
003	STORAGE TANK BREATHING	000015943	THOUS GAL	THC	1.00	0000008
004	GASOLINE LOADING/TRANSIT	000015943	THOUS GAL	THC	6.87	0000055
005	SH IND/COMM DEGREASING	000042606	POPULATION	NHC	7.59	0000162
006	DRY CLEANING	000042806	POPULATION	NHC	1.50	0000032
007	TRUCK SURFACE COATING	000042806	POPULATION	NHC	4.60	0000098
008	AUTO BODY REFINISHING	000042606	POPULATION	NHC	1.90	0000041
009	SH IND SURFACE COATING	000000000	THOUS GAL	THC	4.112.50	0000000
010	GRAPHIC ARTS	000042606	POPULATION	NHC	0.80	0000017
011	COMM/COMM SOLVENT USE	000042806	POPULATION	NHC	6.30	0000135
012	CUTEADY ASPHALT	000000040	TON	NHC	399.00	0000008
013	PESTICIDES	000030176	LBS	NHC	0.90	0000017
014	ON-HIGHWAY LDV	000249464	THOUS VMT	NOX NHC	8.67 9.27	0001082 0001157
015	ON-HIGHWAY LDT1	000026343	THOUS VMT	NOX NHC	9.38 9.73	0000124 0000126
016	ON-HIGHWAY LDT2	000014917	THOUS VMT	NOX	12.05	0000000

TABLE B-1 (continued)

GCA / TECHNOLOGY DIVISION
 AREA SOURCE MASTER FILE SUMMARY
 FOR NEW HAMPSHIRE

COUNTY:0020

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
017	ON-HIGHWAY HDG	000013330	THOUS VMT	NOX NHC	26.84 24.41	0000179 0000163
018	ON-HIGHWAY HDU	000010474	THOUS VMT	NOX NHC	52.46 5.94	0000275 0000031
019	ON-HIGHWAY MC	000002057	THOUS VMT	NOX NHC	1.22 17.11	0000002 0000024
020	RESIDENTIAL ANTHRACITE	000001409	TON	NOX THC	3.00 2.50	0000002 0000002
021	RESIDENTIAL BITUMINOUS	000000000	TON	NOX THC	3.00 20.00	0000000 0000000
022	RESIDENTIAL RESIDUAL OIL	000000000	THOUS GAL	NOX THC	18.00 1.00	0000000 0000000
023	RESIDENTIAL DISTILLATE	000021039	THOUS GAL	NOX THC	18.50 1.00	0000183 0000011
024	RESIDENTIAL NATURAL GAS	000000052	MIL CU FT	NOX THC	80.00 8.00	0000002 0000000
025	RESIDENTIAL LPG	000001702	THOUS GAL	NOX THC	7.50 0.75	0000006 0000001
026	RESIDENTIAL WOOD	000000653	TON	NOX NHC	1.00 5.00	0000004 0000022
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	000000000	THOUS GAL	NOX THC	60.00 1.00	0000000 0000000

TABLE B-1 (continued)

GCA / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

CATEGORY		CATEGORY	PROCESS	POLLUTANT	EMISSION	EMISSION'S
NUMBER	DESCRIPTION	DESCRIPTION	RATE	I.D.	FACTOR	ESTIMATE
030	COMM/INST DISTILLATE OIL	000000000 THOUS GAL		NOX	22.00	0000000
				THC	1.00	0000000
031	COMM/INST NATURAL GAS	000000066 MIL CU FT		NOX	120.00	0000005
				THC	6.00	0000000
032	COMM/INST LPG	000000087 THOUS GAL		NOX	11.00	0000005
				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	000000000 THOUS GAL		NOX	60.00	0000000
				THC	1.00	0000000
037	INDUSTRIAL DISTILLATE OIL	000000000 THOUS GAL		NOX	20.00	0000000
				THC	1.00	0000000
038	INDUSTRIAL NATURAL GAS	000000000 MIL CU FT		NOX	175.00	0000000
				THC	3.00	0000000
039	INDUSTRIAL LPG	000000000 THOUS GAL		NOX	11.00	0000000
				THC	0.75	0000000
040	INDUSTRIAL WOOD/OTHER	000000000 TON		NOX	10.00	0000000
				THC	36.00	0000000
041	MILITARY AIRCRAFT	000000000 LND/TAKE OFF		NOX	9.16	0000000
				THC	27.10	0000000
042	CIVIL AIRCRAFT	000000000 LND/TAKE OFF		NOX	0.02	0000000
				THC	0.41	0000000

02/25/12

TABLE B-1 (continued)

GCA / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY: 0029

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
043	COMMERCIAL AIRCRAFT	000000000	LBS/TAKE OFF	NOX THC	26.53 30.66	0000000 0000000
044	RAILROAD LOCOMOTIVES	000000004	THOUS GAL	NOX THC	370.00 94.00	0000001 0000000
045	VESSELS - GASOLINE	000001051	THOUS GAL	NOX THC	39.07 858.36	0000021 0000451
046	VESSELS - DISTILLATE OIL	000000000	THOUS GAL	NOX THC	270.30 50.00	0000000 0000000
047	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	270.30 50.00	0000000 0000000
048	OFF-HIGHWAY VEHICLES-GAS	000000363	THOUS GAL	NOX THC	105.98 267.24	0000019 0000049
049	OFF-HIGHWAY VEH - DIESEL	000000057	THOUS GAL	NOX THC	421.17 35.11	0000121 0000011
050	ON-CITY INCINERATION	000005732	TON	NOX THC	2.44 38.78	0000007 0000110
051	OPEN BURNING	000021270	TON	NOX THC	5.55 28.96	0000059 0000308
052	STRUCTURAL FIRES	000000257	FIRES	NOX THC	17.00 107.00	0000002 0000014
053	FIELD/SLASH BURNING	000001500	TON	NOX THC	4.00 23.53	0000003 0000016
054	FOREST FIRES	000000073	ACRE	NOX THC	43.21 261.02	0000002 0000010
999	COUNTY TOTALS			THC NOX THC		0001211 0002130 0000001

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TABLE B-1 (continued)

GCE / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY:0060

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS PATH	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000023914	THOUS GAL	THC	8.35	0000100
002	STAGE II GASOLINE EVAP	000023809	THOUS GAL	THC	9.70	0000115
003	STAGE I GASOLINE EVAP	000023914	THOUS GAL	THC	1.00	0000012
004	GASOLINE LOADING/TRANSIT	000023914	THOUS GAL	THC	6.87	0000062
005	SP IND/COMM DEGREASING	000027730	POPULATION	NHC	7.59	0000105
006	DRY CLEANING	000027730	POPULATION	NHC	1.50	0000021
007	ARCH SURFACE COATING	000027730	POPULATION	NHC	4.60	0000064
008	AUTO BODY REFINISHING	000027730	POPULATION	NHC	1.50	0000026
009	SP IND SURFACE COATING	000000000	THOUS GAL	THC	4,112.50	0000000
010	GRAPHIC ARTS	000027730	POPULATION	NHC	0.80	0000011
011	COMM/CONS SOLVENT USE	000027730	POPULATION	NHC	6.30	0000027
012	CUTEACK ASPHALT	000000024	TON	NHC	399.00	0000005
013	PESTICIDES	000062990	LB	NHC	0.90	0000028
014	ON-HIGHWAY LGV	000149679	THOUS VMT	COX NHC	8.67 9.27	0000649 0000594
015	ON-HIGHWAY LDT1	000015806	THOUS VMT	COX NHC	9.38 9.73	0000074 0000077
016	ON-HIGHWAY LDT2	000006950	THOUS VMT	COX NHC	12.05 12.05	0000054 0000054

02/25/00

TABLE B-1 (continued)

GCA / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY: 0060

CATEGORY NUMBER	CATEGORY DESCRIPTION	FACILITY RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
017	ON-HIGHWAY HDE	000007998	THOUS WMT	NOX NHC	26.94 24.41	0000107 0000094
018	ON-HIGHWAY HOD	000006284	THOUS WMT	NOX NHC	52.46 5.54	0000165 0000019
019	ON-HIGHWAY PC	000001714	THOUS WMT	NOX NHC	1.22 17.11	0000001 0000015
020	RESIDENTIAL ANTHRACITE	000000000	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	000000000	THOUS GAL	NOX THC	18.00 1.00	0000000 0000000
023	RESIDENTIAL DISTILLATE	000013213	THOUS GAL	NOX THC	18.00 1.00	0000119 0000007
024	RESIDENTIAL NATURAL GAS	000000011	MIL CU FT	NOX THC	80.00 8.00	0000000 0000000
025	RESIDENTIAL LPG	000001863	THOUS GAL	NOX THC	7.50 0.75	0000007 0000001
026	RESIDENTIAL WOOD	000012232	TON	NOX NHC	1.00 5.00	0000006 0000031
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	000000000	THOUS GAL	NOX THC	60.00 1.00	0000000 0000000

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TABLE B-1 (continued)

GCA / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY:0060

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000000000	THOUS GAL	NOX THC	22.00 1.00	0000000 0000000
031	COMM/INST NATURAL GAS	000000052	MIL CU FT	NOX THC	120.00 8.00	0000003 0000000
032	COMM/INST LPG	000000032	THOUS GAL	NOX THC	11.00 0.75	0000003 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	000000000	THOUS GAL	NOX THC	60.00 1.00	0000000 0000000
037	INDUSTRIAL DISTILLATE OIL	000000000	THOUS GAL	NOX THC	22.00 1.00	0000000 0000000
038	INDUSTRIAL NATURAL GAS	000000000	MIL CU FT	NOX THC	175.00 3.00	0000000 0000000
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.00 0.30	0000000 0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
041	MILITARY AIRCRAFT	000000000	LAND/TAKE OFF	NOX THC	9.16 27.10	0000000 0000000
042	CIVIL AIRCRAFT	000073000	LAND/TAKE OFF	NOX THC	0.02 0.00	0000001 0000000

02/25/82

TABLE B-1 (continued)

SCA / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY:0069

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS DATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
043	COMMERCIAL AIRCRAFT	000000000	LND/TAKE OFF	NOX THC	26.93 30.66	0000000 0000000
044	RAILROAD LOCOMOTIVES	000000000	THOUS GAL	NOX THC	370.00 94.00	0000001 0000000
045	VESSELS - GASOLINE	000000002	THOUS GAL	NOX THC	35.07 858.36	0000017 0000379
046	VESSELS - DISTILLATE OIL	000000000	THOUS GAL	NOX THC	270.00 50.00	0000000 0000000
047	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	270.00 50.00	0000000 0000000
048	OFF-HIGHWAY VEHICLES-GAS	000000000	THOUS GAL	NOX THC	105.58 267.24	0000011 0000026
049	OFF-HIGHWAY VEH - DIESEL	000000000	THOUS GAL	NOX THC	421.17 39.11	0000029 0000003
050	ON-SITE INCINERATION	000002267	TON	NOX THC	0.00 46.23	0000000 0000046
051	OPEN BURNING	000013481	TON	NOX THC	5.49 29.08	0000037 0000195
052	STRUCTURAL FIRES	000000156	FLARES	NOX THC	17.00 107.00	0000001 0000009
053	FIELD/SLASH BURNING	000000000	TON	NOX THC	4.00 23.50	0000000 0000000
054	FOREST FIRES	000000123	ACRE	NOX THC	43.21 261.02	0000003 0000016
999	COUNTY TOTALS			THC NHC NOX		0001009 0001336 0001288

02/25/82

TABLE B-1 (continued)

GCA / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY:0060

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE 1 GASOLINE EVAP	000023914	THOUS GAL	THC	0.35	0000100
002	STAGE 11 GASOLINE EVAP	000023009	THOUS GAL	THC	9.70	0000115
003	STORAGE TANK BREATHING	000023914	THOUS GAL	THC	1.00	0000012
004	GASOLINE LOADING/TRANSIT	000023914	THOUS GAL	THC	6.87	0000082
005	SM LND/COMP DEGREASING	000061939	POPULATION	NHC	7.59	0000235
006	DRY CLEANING	000061939	POPULATION	NHC	1.50	0000046
007	ARCH SURFACE COATING	000061939	POPULATION	NHC	4.60	0000142
008	AUTO BODY REFINISHING	000061939	POPULATION	NHC	1.50	0000059
009	SM LND SURFACE COATING	000000000	THOUS GAL	THC	4,112.50	0000009
010	GRAPHIC ARTS	000061939	POPULATION	NHC	3.80	0000025
011	COMP/CONS SOLVENT USE	000061939	POPULATION	NHC	6.30	0000195
012	CUTBACK ASPHALT	000000056	TON	NHC	399.30	0000011
013	PESTICIDES	000024723	LBS	NHC	0.30	0000012
014	ON-HIGHWAY LDV	000345250	THOUS VMT	NOX NHC	8.67 9.27	0000115 0001619
015	ON-HIGHWAY LDT1	000036880	THOUS VMT	NOX NHC	9.38 9.73	0000173 0000179
016	ON-HIGHWAY LDT2	000020804	THOUS VMT	NOX NHC	12.05 12.79	0000126 0000134

02/25/80

TABLE B-1 (continued)

SCS / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY: GRAFTON

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.C.	EMISSION FACTOR	EMISSIONS ESTIMATE
017	ON-HIGHWAY PUG	000016662	THOUS VMT	NOX VHC	26.84 24.41	0000251 0000228
018	ON-HIGHWAY HDD	000014653	THOUS VMT	NOX VHC	52.46 5.74	0000385 0000544
019	ON-HIGHWAY WC	000003999	THOUS VMT	NOX VHC	1.22 17.11	0000002 0000034
020	RESIDENTIAL ANTHRACITE	000001119	TON	NOX THC	3.00 2.50	0000002 0000001
021	RESIDENTIAL BITUMINOUS	000000006	TON	NOX THC	3.00 20.00	0000000 0000000
022	RESIDENTIAL RESIDUAL OIL	000000000	THOUS GAL	NOX THC	18.00 1.00	0000000 0000000
023	RESIDENTIAL DISTILLATE	000029841	THOUS GAL	NOX THC	18.00 1.00	0000269 0000015
024	RESIDENTIAL NATURAL GAS	000000041	MIL CU FT	NOX THC	80.00 8.00	0000002 0000000
025	RESIDENTIAL LPG	000002255	THOUS GAL	NOX THC	7.50 0.75	0000002 0000001
026	RESIDENTIAL WOOD	000017111	TON	NOX VHC	1.00 5.00	0000009 0000043
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	000000000	THOUS GAL	NOX THC	60.00 1.00	0000000 0000000

02/15/82

TABLE B-1 (continued)

GCA / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY: C80

CAT. NO.	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	FOLLUTANT EMISSION		EMISSIONS ESTIMATE
				I.D.	FACTOR	
030	COMM/INST DISTILLATE OIL	00000000	THOUS GAL	NOX THC	22.00 1.00	0000000 0000000
031	COMM/INST NATURAL GAS	000000121	MIL CU FT	NOX THC	120.00 8.00	0000007 0000000
032	COMM/INST LPG	000001241	THOUS GAL	NOX THC	11.00 0.75	0000007 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	000000000	THOUS GAL	NOX THC	60.00 1.00	0000000 0000000
037	INDUSTRIAL DISTILLATE OIL	000000000	THOUS GAL	NOX THC	22.00 1.00	0000000 0000000
038	INDUSTRIAL NATURAL GAS	000000000	MIL CU FT	NOX THC	175.00 3.00	0000000 0000000
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 0.30	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	9.16 27.10	0000000 0000000
042	CIVIL AIRCRAFT	000073730	LND/TAKE OFF	NOX THC	0.02 0.41	0000001 0000015

02/05/82

TABLE B-1 (continued)

 GCP / TECHNOLOGY DIVISION
 AREA SOURCE PASTER FILE SUMMARY
 FOR NEW HAMPSHIRE

COUNTY:0000

CAT-GORY NUMBER	CATEGORY DESCRIPTION	PROCESS RAIL	UNITS LHD/TAKE OFF	POLLUTANT I.O.	EMISSION FACTOR	MISSIONS ESTIMATE
043	COMMERCIAL AIRCRAFT	000000000		NOX THC	26.93 30.66	0000090 0000090
044	RAILROAD LOCOMOTIVES	000000004	THOUS GAL	NOX THC	370.00 94.00	0000001 0000000
045	VESSELS - GASOLINE	000000336	THOUS GAL	NOX THC	39.27 858.36	0000007 0000144
046	VESSELS - DISTILLATE OIL	000000000	THOUS GAL	NOX THC	270.00 50.00	0000000 0000000
047	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	270.00 50.00	0000000 0000000
048	OFF-HIGHWAY VEHICLES-GAS	000000062	THOUS GAL	NOX THC	105.38 267.24	0000030 0000075
049	OFF-HIGHWAY VEH - DIESEL	000000778	THOUS GAL	NOX THC	421.17 39.11	0000164 0000015
050	ON-SITE INCINERATION	000000363	TON	NOX THC	2.39 38.41	0000010 0000161
051	OPEN BURNING	000030893	TON	NOX THC	5.50 29.30	0000085 0000448
052	STRUCTURAL FIRES	000000372	FIRES	NOX THC	17.00 107.00	0000003 0000020
053	FILLD/CLASH BURNING	000000000	TON	NOX THC	4.00 23.50	0000000 0000000
054	FOREST FIRES	000000052	ACRE	NOX THC	43.21 261.02	0000001 0000007
999	COUNTY TOTALS			THC NHC NOX		0001211 0003006 0003058

02/23/66

TABLE B-1 (continued)

GC / TECHNOLOGY DIVISION
AFER SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY:0140

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000015943	THOUS GAL	THC	8.35	0000067
002	STAGE II GASOLINE EVAP	000015973	THOUS GAL	THC	9.70	0000077
003	STORAGE TANK BREATHING	000015943	THOUS GAL	THC	1.00	0000008
004	GASOLINE LOADING/TRANSIT	000015943	THOUS GAL	THC	6.97	0000055
005	SH IND/COMM DEGREASING	000035061	POPULATION	NHC	7.55	0000133
006	DRY CLEANING	000035061	POPULATION	NHC	1.50	0000025
007	ASPH SURFACE COATINGS	000035061	POPULATION	NHC	4.60	0000061
008	AUTO BODY R. FINISHING	000035061	POPULATION	NHC	1.90	0000033
009	SH IND SURFACE COATING	000000000	THOUS GAL	THC	4.112-50	0000000
010	PAVEMENT ASPTE	000035061	POPULATION	NHC	0.80	0000014
011	COMM/COMM SOLVENT USE	000035061	POPULATION	NHC	6.30	0000110
012	CUTEADH ASPHALT	000000032	TON	NHC	399.00	0000006
013	PLASTICIDES	000047720	LBS	NHC	0.90	0000021
014	DR-HIGHWAY LDV	000195571	THOUS VMT	NOX NHC	8.67 9.27	0000866 0000925
015	DR-HIGHWAY LD11	000021074	THOUS VMT	NOX NHC	5.38 9.73	0000099 0000103
016	DR-HIGHWAY LD12	000011934	THOUS VMT	NOX NHC	12.05 12.79	0000072 0000076

02/25/92

TABLE B-1 (continued)

GC / TECHNOLOGY DIVISION
AREA SOURCE PASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY: 140

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT EMISSION FACOR	EMISSIONS ESTIMATE
117	ON-HIGHWAY HOG	00001664	THOUS VMT		
				NOX NHC	26.84 24.41
018	CN-HIGHWAY HDD	000006379	THOUS VMT		
				NOX NHC	52.46 5.94
019	ON-HIGHWAY MC	000002285	THOUS VMT		
				NOX NHC	1.22 17.11
020	RESIDENTIAL ANTHRACITE	000000169	TON		
				NOX THC	3.00 2.50
021	RESIDENTIAL BITUMINOUS	000000000	TON		
				NOX THC	3.00 26.30
022	RESIDENTIAL RESIDUAL OIL	000000000	THOUS GAL		
				NOX THC	18.00 1.00
023	RESIDENTIAL DISTILLATE	000015752	THOUS GAL		
				NOX THC	18.00 1.00
024	RESIDENTIAL NATURAL GAS	000000004	MIL CU FT		
				NOX THC	80.00 8.00
025	RESIDENTIAL LPG	000000028	THOUS GAL		
				NOX THC	7.50 0.75
026	RESIDENTIAL WOOD	000013663	TON		
				NOX NHC	1.00 5.00
027	COMM/INST ANTHRACITE	000000000	TON		
				NOX THC	10.00 0.00
028	COMM/INST BITUMINOUS	000000000	TON		
				NOX THC	6.00 3.00
029	COMM/INST RESIDUAL OIL	000000000	THOUS GAL		
				NOX THC	60.00 1.00

02/25/82

TABLE B-1 (continued)

SCA / TECHNOLOGY DIVISION
ARCA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY: 0140

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RAIL	UNITS	POLLUTANT L.O.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMBUST DISTILLATE OIL	00000000	THOUS GAL	NOX THC	22.00 1.00	000000 000000
031	COMM/IND NATURAL GAS	00000000	MIL CU FT	NOX THC	120.00 8.00	000000 000000
032	COMBUST LEO	00000000	THOUS GAL	NOX THC	11.00 0.75	000000 000000
033	COMBUST WOOD/OTHER	00000000	TON	NOX THC	19.00 36.00	000000 000000
034	INDUSTRIAL SOLVENTS	00000000	TON	NOX THC	18.00 0.00	000000 000000
035	INDUSTRIAL PITUMINOUS	00000000	TON	NOX THC	15.00 1.00	000000 000000
036	INDUSTRIAL RESIDUAL OIL	00000000	THOUS GAL	NOX THC	60.00 1.00	000000 000000
037	INDUSTRIAL DISTILLATE OIL	00000000	THOUS GAL	NOX THC	22.00 1.00	000000 000000
038	INDUSTRIAL NATURAL GAS	00000000	MIL CU FT	NOX THC	175.00 3.00	000000 000000
039	INDUSTRIAL LPG	00000000	THOUS GAL	NOX THC	11.65 9.30	000000 000000
040	INDUSTRIAL WOOD/OTHER	00000000	TON	NOX THC	10.00 36.00	000000 000000
041	MILITARY AIRCRAFT	00000000	LND/TAKE OFF	NOX THC	9.16 27.10	000000 000000
042	CIVIL AIRCRAFT	00000000	LND/TAKE OFF	NOX THC	0.02 0.41	000000 000000

02/23/02

TABLE B-1 (continued)

GC / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY: 140

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
043	COMMERCIAL AIRCRAFT	00000000	LAD/TAKE OFF	NOX THC	26.93 30.66	0000000 0000000
044	RAILROAD LOCOMOTIVES	000000016	THOUS GAL	NOX THC	370.00 94.00	0000003 0000001
045	VESSELS - GASOLINE	000000452	THOUS GAL	NOX THC	39.07 858.36	0000009 0000198
046	VESSELS - DISTILLATE OIL	000000000	THOUS GAL	NOX THC	270.00 50.00	0000000 0000000
047	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	270.00 50.00	0000000 0000000
048	OFF-HIGHWAY VEHICLES-GAS	000000534	THOUS GAL	NOX THC	105.98 267.24	0000028 0000071
049	OFF-HIGHWAY VEH - DIESEL	000000485	THOUS GAL	NOX THC	421.17 35.11	0000102 0000009
050	ON-SITE INCINERATION	000004332	TON	NOX THC	1.64 38.32	0000004 0000383
051	OPEN BURNING	000017491	TON	NOX THC	5.49 29.04	0000048 0000254
052	STRUCTURAL FIRES	000000210	FIRES	NOX THC	17.00 107.00	0000002 0000011
053	FIELD/SLASH BURNING	000000000	TON	NOX THC	4.00 23.50	0000009 0000000
054	FOREST FIRES	000000093	ACRE	NOX THC	43.21 261.02	0000002 0000012
999	COUNTY TOTALS			THC NOX NOX		0000564 0001737 0001795

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TABLE B-1 (continued)

GCA / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY:0240

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000043842	THOUS GAL	THC	8.35	0000183
002	STAGE II GASOLINE EVAP	000043849	THOUS GAL	THC	9.70	0000212
003	STORAGE TANK BREATHING	000043842	THOUS GAL	THC	1.00	0000022
004	GASOLINE LOADING/TRANSIT	000043842	THOUS GAL	THC	6.87	0000151
005	LA INK/COMP DEGREASING	000065731	POPULATION	NHC	7.59	0000249
006	DRY CLEANING	000065731	POPULATION	NHC	1.50	0000049
007	WET SURFACE COATING	000065731	POPULATION	NHC	4.60	0000151
008	WHEEL BODY REFINISHING	000065731	POPULATION	NHC	1.90	0000062
009	SM IND SURFACE COATING	000000000	THOUS GAL	THC	4.112.50	0000000
010	SA FRICTION	000065731	POPULATION	NHC	0.20	0000026
011	COMP/CONS SOLVENT USE	000065731	POPULATION	NHC	6.30	0000207
012	CUTBACK ASPHALT	000000056	TON	NHC	399.00	0000011
013	PESTICIDES	00026723	LBS	NHC	0.50	0000312
014	CR-HIGHWAY LDV	000340250	THOUS VMT	NOX NHC	8.67 9.27	0001515 0001619
015	CR-HIGHWAY LDT1	00036680	THOUS VMT	NOX NHC	9.38 9.73	0000173 0000179
016	CR-HIGHWAY LDT2	00020884	THOUS VMT	NOX NHC	12.05 12.79	0000126 0000134

TABLE B-1 (continued)

SCA / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY: 2240

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
017	ON-HIGHWAY HDG	000016662	THOUS VMT	COX KHC	26.84 24.41	0000251 0000228
018	ON-HIGHWAY HDG	000014663	THOUS VMT	NOX NHC	52.46 5.54	0000385 0000044
019	ON-HIGHWAY MC	000003995	THOUS VMT	NOX KHC	1.22 17.11	0000002 0000034
020	RESIDENTIAL ANTHRACITE	000000972	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	000000000	THOUS GAL	COX THC	18.00 1.00	0000000 0000000
023	RESIDENTIAL DISTILLATE	000033881	THOUS GAL	NOX THC	16.00 1.00	0000305 0000017
024	RESIDENTIAL NATURAL GAS	000000000	MIL CU FT	COX THC	80.00 8.00	0000003 0000000
025	RESIDENTIAL LPG	000004534	THOUS GAL	COX THC	7.50 0.75	0000017 0000002
026	RESIDENTIAL WOOD	000025114	TON	NOX NHC	1.00 5.00	0000013 0000063
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	000000000	THOUS GAL	NOX THC	60.00 1.00	0000000 0000000

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TABLE B-1 (continued)

GCA / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
F.N. NEW HAMPSHIRE

COUNTRY: 0240

UNIT GROUP	CATEGORY	PROCESS	UNITS	POLLUTANT EMISSION I.D. FACTOR	EMISSIONS ESTIMATE
000	COMB/INST DISTILLATE OIL	000000000	THOUS GAL	NOX THC	0000000 0000000
031	COMB/INST NATURAL GAS	000000121	MIL CU FT	NOX THC	120.00 0000007 8.00 0000000
032	COMB/INST LP	000001241	THOUS GAL	NOX THC	11.00 0000007 0.75 0000000
033	COMB/INST WOOD/OTHER	000000000	TON	NOX THC	10.00 0000000 36.00 0000000
034	INDUCTIAL ANT-FACITE	000000000	TON	NOX THC	16.00 0000000 0.00 0000000
035	INDUSTRIAL BITUMINOUS	000000000	TON	NOX THC	15.00 0000000 1.00 0000000
036	INDUSTRIAL RESIDUAL OIL	000000000	THOUS GAL	NOX THC	60.00 0000000 1.00 0000000
037	INDUSTRIAL DISTILLATE OIL	000000000	THOUS GAL	NOX THC	22.00 0000000 1.00 0000000
038	INDUSTRIAL NATURAL GAS	000000000	MIL CU FT	NOX THC	175.00 0000000 3.00 0000000
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 0000000 0.30 0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 0000000 36.00 0000000
041	MILITARY AIRCRAFT	000000110	LND/TAKE OFF	NOX THC	5.16 0000001 27.10 0000001
042	CIVIL AIRCRAFT	000000210	LND/TAKE OFF	NOX THC	0.02 0000001 0.41 0000019

TABLE B-1 (continued)

GCA / TECHNOLOGY DIVISION
 APLA SOURCE MASTER FILE SUMMARY
 FOR NEW HAMPSHIRE

COUNTY: 0240

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RAIL	UNITS LND/TAKE OFF	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
043	COMMERCIAL AIRCRAFT	000004441		NOX THC	0.50 12.61	0000002 0000028
044	RAILROAD LOCOMOTIVES	000000011	THOUS GAL	NOX THC	370.00 94.00	0000002 0000001
045	VEHICLES - GASOLINE	000000252	THOUS GAL	NOX THC	39.07 656.36	0000005 0000108
046	VESSELS - DISTILLATE OIL	000000000	THOUS GAL	NOX THC	270.00 50.00	0000000 0000000
047	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	270.00 50.00	0000000 0000000
048	OFF-HIGHWAY VEHICLES-GAS	000000976	THOUS GAL	NOX THC	105.96 267.24	0000052 0000130
049	OFF-HIGHWAY VEH - DIESEL	000000938	THOUS GAL	NOX THC	421.17 39.11	0000192 0000012
050	ON-SITE INCINERATION	000009560	TON	NOX THC	2.57 39.25	0000011 0000168
051	OPEN BURNING	000032354	TON	NOX THC	5.50 29.05	0000089 0000470
052	STRUCTURAL FIRES	000000394	FIRES	NOX THC	17.00 107.00	0000003 0000021
053	FIELD/SLASH BURNING	000000000	TON	NOX THC	4.00 23.50	0000000 0000000
054	FOREST FIRES	000000052	ACRE	NOX THC	43.21 261.02	0000001 0000007
999	COUNTY TOTALS			THC THC NOX		0001559 0003066 0003167

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TABLE B-1 (continued)

GCM / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY: 0300

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000115583	THOUS GAL	THC	8.35	0000483
002	STAGE II GASOLINE EVAP	000115076	THOUS GAL	THC	9.70	0000558
003	STORAGE TANK BREATHING	000115583	THOUS GAL	THC	1.00	0000058
004	GASOLINE LOADING/TRANSIT	000115583	THOUS GAL	THC	6.87	0000397
005	SH IND/COMM DEGREASING	000276341	POPULATION	NHC	7.59	0001049
006	DRY CLEANING	000276341	POPULATION	NHC	1.50	0000207
007	APCO SURFACE COATING	000276341	POPULATION	NHC	4.60	0000636
008	PAINTS	000276341	POPULATION	THC	1.50	0000263
009	SM TDS SURFACE COATING	000000000	THOUS GAL	THC	4.112.50	0000000
010	GRAPHIC ARTS	000276341	POPULATION	NHC	0.80	0000111
011	COMM/COMM SOLVENT USE	000276341	POPULATION	NHC	6.30	0000270
012	CUTBACK ASPHALT	000000238	TON	NHC	399.00	0000047
013	PLASTICS	000005726	LBS	NHC	0.50	0000003
014	LAN-HIGHWAY LDV	001496767	THOUS VMT	NOX NHC	8.67 9.27	0006493 0006940
015	ON-HIGHWAY LDV	000158059	THOUS VMT	NOX NHC	9.38 9.73	0000742 0000769
016	ON-HIGHWAY LDV	000009502	THOUS VMT	NOX NHC	12.05 12.79	0000539 0000573

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TABLE B-1 (continued)

GCA / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

CUMULATIVE

CATEGORY	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT EMISSION FACTOR	EMISSIONS ESTIMATE
C17	ON-HIGHWAY HCS		THOUS VMT	I.C.	
				NOX	26.84 0001074
				NHC	24.41 0000977
018	ON-HIGHWAY HDO	000052843	THOUS VMT	NOX	52.46 0001545
				NHC	5.54 0000187
019	ON-HIGHWAY PC	000017140	THOUS VMT	NOX	1.22 0000010
				NHC	17.11 0000147
020	RESIDENTIAL ANTHRACITE	000002796	TON	NOX	3.00 0000004
				THC	2.50 0000003
021	RESIDENTIAL BITUMINOUS	000000000	TON	NOX	3.00 0000000
				THC	20.00 0000000
022	RESIDENTIAL RESIDUAL OIL	000000000	THOUS GAL	NOX	18.00 0000000
				THC	1.00 0000000
023	RESIDENTIAL DISTILLATE	000103751	THOUS GAL	NOX	18.00 0000934
				THC	1.00 0000052
024	RESIDENTIAL NATURAL GAS	000004780	MIL CU FT	NOX	80.00 0000191
				THC	8.00 0000019
025	RESIDENTIAL LPG	000003745	THOUS GAL	NOX	7.50 0000014
				THC	0.75 0000001
026	RESIDENTIAL WOOD	000031490	TON	NOX	1.00 0000016
				NHC	5.00 0000079
027	COMM/INST ANTHRACITE	000000000	TON	NOX	10.00 0000000
				THC	0.00 0000000
028	COMM/INST BITUMINOUS	000000000	TON	NOX	6.00 0000000
				THC	3.00 0000000
029	COMM/INST RESIDUAL OIL	000000000	THOUS GAL	NOX	60.00 0000000
				THC	1.00 0000000

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TABLE B-1 (continued)

GCA / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY: 300

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000000000	THOUS GAL	NOX THC	22.00 1.00	0000000 0000000
031	COMM/INST NATURAL GAS	000000516	MIL CU FT	NOX THC	120.00 8.00	0000031 0000002
032	COMM/INST LPG	000005322	THOUS GAL	NOX THC	11.00 0.75	0000029 0000002
033	COMM/INST WOOD/OTHER	000000000	TON	NOX THC	19.00 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	000000000	THOUS GAL	NOX THC	60.00 1.00	0000000 0000000
037	INDUSTRIAL DISTILLATE OIL	000000000	THOUS GAL	NOX THC	22.00 1.00	0000000 0000000
038	INDUSTRIAL NATURAL GAS	000000000	MIL CU FT	NOX THC	175.00 3.00	0000000 0000000
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 0.30	0000000 0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
041	MILITARY AIRCRAFT	000000934	LND/TAKE OFF	NOX THC	9.16 27.10	0000004 0000013
042	CIVIL AIRCRAFT	000265370	LND/TAKE OFF	NOX THC	0.02 9.41	0000004 0000055

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TABLE B-1 (continued)

GCA / TECHNOLOGY DIVISION
 AREA SOURCE MASTER FILE SUMMARY
 FOR NEW HAMPSHIRE

COUNTY:0300

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS LNO/TAKE OFF	POLLUTANT I.C.	EMISSION FACTOR	EMISSIONS ESTIMATE
043	COMMERCIAL AIRCRAFT	000002069		NOX THC	24.17 10.63	0000025 0000011
044	RAILROAD LOCOMOTIVES	000000021	THOUS GAL	NOX THC	370.00 54.00	0000004 0000001
045	VESSELS - GASOLINE	000000126	THOUS GAL	NOX THC	35.07 858.36	0000002 0000054
046	VESSELS - DISTILLATE OIL	000000000	THOUS GAL	NOX THC	270.00 50.00	0000000 0000000
047	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	270.00 50.00	0000000 0000000
048	OFF-HIGHWAY VEHICLES-GAS	000001506	THOUS GAL	NOX THC	105.56 267.24	0000060 0000201
049	OFF-HIGHWAY VEH - DIESEL	000002576	THOUS GAL	NOX THC	421.17 39.11	0000753 0000070
050	ON-SITE INCINERATION	000006145	TON	NOX THC	2.50 11.30	0000008 0000035
051	ON-SITE BURNING	000007866	TON	NOX THC	5.50 28.40	0000022 0000112
052	STRUCTURAL FIRES	000001658	FIRES	NOX THC	17.00 107.00	0000014 0000089
053	FIELD/BLAZE BURNING	000000000	TON	NOX THC	4.00 23.50	0000000 0000000
054	FOREST FIRES	000000012	ACRE	NOX THC	43.21 261.02	0000000 0000002
059	COUNTY TOTALS			THC NOX NOX		0002218 0012458 0012642

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TABLE B-1 (continued)

600 / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY: 1440

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000047828	THOUS GAL	THC	8.35	0000200
002	STAGE II GASOLINE EVAP	000047618	THOUS GAL	THC	9.70	0000231
003	STORAGE TANK BREATHING	000047828	THOUS GAL	THC	1.00	0000024
004	GASOLINE LOADING/TRANSIT	000047828	THOUS GAL	THC	6.67	0000164
005	SH IP/D/COMM DEGREASING	000026038	POPULATION	NHC	7.59	0000372
006	DRY CLEANING	000094038	POPULATION	NHC	1.50	0000074
007	ACR SURFACE COATING	000094038	POPULATION	NHC	4.60	0000225
008	ACR BODY REFINISHING	000098030	POPULATION	NHC	1.90	0000093
009	SH IP/D SURFACE COATING	000000000	THOUS GAL	THC	4,112.50	0000000
010	CERAMIC ARTS	000094038	POPULATION	NHC	0.80	0000035
011	CORP/CORUS SOLVENT USE	000098038	POPULATION	NHC	6.30	0000309
012	CUFACR ASPHALT	000000008	TON	NHC	399.00	0000018
013	P STICIDES	000017178	LBS	NHC	0.50	0000008
014	CR-HIGHWAY LDV	000544822	THOUS VMT	NOX NHC	8.57 9.27	0002381 0002545
015	CR-HIGHWAY LDT1	000057954	THOUS VMT	NOX NHC	9.38 9.73	0000272 0000282
016	CR-HIGHWAY LDT2	000032817	THOUS VMT	NOX NHC	12.05 12.79	0000198 0000210

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TABLE B-1 (continued)

COUNTY:0440				GCA / TECHNOLOGY DIVISION AREA SOURCE MASTER FILE SUMMARY FOR NEW HAMPSHIRE			
CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE	
017	ON-HIGHWAY HDG	000029326	THOUS VMT	NOX	26.84	0000394	
				NHC	24.41	0000358	
019	ON-HIGHWAY HDG	000023042	THOUS VMT	NOX	52.46	0000604	
				NHC	5.84	0000069	
019	ON-HIGHWAY HC	000006294	THOUS VMT	NOX	1.22	0000004	
				NHC	17.11	0000054	
020	RESIDENTIAL ANTHRACITE	000001711	TON	NOX	3.00	0000003	
				THC	2.50	0000002	
021	RESIDENTIAL BITUMINOUS	000000000	TON	NOX	3.00	0000000	
				THC	20.00	0000000	
022	RESIDENTIAL RESIDUAL OIL	000000000	THOUS GAL	NOX	18.00	0000000	
				THC	1.00	0000000	
023	RESIDENTIAL DISTILLATE	000043867	THOUS GAL	NOX	18.00	0000095	
				THC	1.00	0000022	
024	RESIDENTIAL NATURAL GAS	000000532	MIL CU FT	NOX	80.00	0000021	
				THC	8.00	0000002	
025	RESIDENTIAL LPG	000002482	THOUS GAL	NOX	7.50	0000009	
				THC	0.75	0000001	
026	RESIDENTIAL WOOD	000029365	TON	NOX	1.00	0000010	
				NHC	5.00	0000051	
027	COMM/INST ANTHRACITE	000000000	TON	NOX	10.00	0000000	
				THC	0.00	0000000	
028	COMM/INST BITUMINOUS	000000000	TON	NOX	6.00	0000000	
				THC	3.00	0000000	
029	COMM/INST RESIDUAL OIL	000000000	THOUS GAL	NOX	60.00	0000000	
				THC	1.00	0000000	

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TABLE B-1 (continued)

SCA / TECHNOLOGY DIVISION
APRA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY: 0440

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS NAME	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000000000	THOUS GAL	NOX	22.00	0000000
				THC	1.00	0000000
031	COMM/INST NATURAL GAS	000000189	MIL CU FT	NOX	120.00	0000011
				THC	8.00	0000001
032	COMM/INST LPS	000001951	THOUS GAL	NOX	11.00	0000011
				THC	0.75	0000001
033	COMM/INST WOOD/OTHER	000000000	TON	NOX	10.00	0000000
				THC	36.00	0000000
034	INDUSTRIAL POLYMERITE	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	000000000	THOUS GAL	NOX	60.00	0000000
				THC	1.00	0000000
037	INDUSTRIAL DISTILLATE OIL	000000000	THOUS GAL	NOX	22.00	0000000
				THC	1.00	0000000
038	INDUSTRIAL NATURAL GAS	000000000	MIL CU FT	NOX	175.00	0000000
				THC	3.00	0000000
039	INDUSTRIAL LFC	000000000	THOUS GAL	NOX	11.05	0000000
				THC	0.30	0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX	10.00	0000000
				THC	36.00	0000000
041	MILITARY AIRCRAFT	000000000	LND/TAKE OFF	NOX	9.16	0000000
				THC	27.10	0000000
042	CIVIL AIRCRAFT	000000000	LND/TAKE OFF	NOX	0.02	0000001
				THC	0.41	0000020

TABLE B-1 (continued)

GCA / TECHNOLOGY DIVISION
APLA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY: 0440

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I-D.	EMISSION FACTOR	EMISSIONS ESTIMATE
043	COMMERCIAL AIRCRAFT	000000000	LND/TAKL OFF	NOX THC	26.93 30.66	0000000 0000000
044	RAILROAD LOCOMOTIVES	000000008	THOUS GAL	NOX THC	370.00 94.00	0000001 0000000
045	VESSELS - GASOLINE	000000254	THOUS GAL	NOX THC	39.07 858.36	0000006 0000126
046	VESSELS - DISTILLATE OIL	000000000	THOUS GAL	NOX THC	270.00 50.00	0000000 0000000
047	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	270.00 50.00	0000000 0000000
048	OFF-HIGHWAY VEHICLES-GAS	000001002	THOUS GAL	NOX THC	105.58 267.24	0000057 0000145
049	OFF-HIGHWAY VEH - DIESEL	000001624	THOUS GAL	NOX THC	421.17 39.11	0000345 0000036
050	ON-SITE INCINERATION	000012759	TON	NOX THC	2.51 35.34	0000016 0000251
051	ON-SITE BURNING	000040245	TON	NOX THC	5.51 25.02	0000133 0000700
052	STRUCTURAL FIRES	000000588	FIRES	NOX THC	17.00 107.00	0000005 0000031
053	FILL/BLAST BURNING	000000000	TON	NOX THC	4.00 23.50	0000000 0000000
054	FOREST FIRES	000000033	ACRE	NOX THC	43.21 261.02	0000001 0000004
059	COUNTY TOTALS			THC NOX NOX		0001561 0004707 0004918

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TABLE B-1 (continued)

602 / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY: 1500

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000067756	THOUS GAL	THC	8.35	0000283
002	STAGE II GASOLINE EVAP	000067459	THOUS GAL	THC	9.70	0000327
003	STORAGE TANK BREATHING	000067756	THOUS GAL	THC	1.00	0000034
004	GASOLINE LOADING/TRANSIT	000067756	THOUS GAL	THC	6.87	0000233
005	SM INC/COMB DEGREASING	000190047	POPULATION	NHC	7.59	0000721
006	DRY CLEANING	000190047	POPULATION	NHC	1.50	0000143
007	WOOD SURFACE COATING	000150047	POPULATION	NHC	4.60	0000437
008	PAINT BODY REFINISHING	000190047	POPULATION	NHC	1.90	0000181
009	STREET SURFACE COATING	000000000	THOUS GAL	THC	4,112.50	0000000
010	GRAPHIC ARTS	000190047	POPULATION	NHC	0.80	0000076
011	COMP/GUNS SOLVENT USE	000150047	POPULATION	NHC	6.30	0000599
012	OUTDOOR ASPHALT	000000167	TON	NHC	399.00	0000033
013	PESTICIDES	000009544	LBS	NHC	0.90	0000004
014	ON-HIGHWAY LDV	001047750	THOUS VMT	NOX NHC	8.67 0.27	0004545 0004859
015	ON-HIGHWAY LDT1	000110640	THOUS VMT	NOX NHC	9.38 9.73	0000519 0000538
016	ON-HIGHWAY LDT2	000062651	THOUS VMT	NOX NHC	12.05 12.79	0000378 0000401

TABLE B-1 (continued)

GCA / TECHNOLOGY DIVISION
APLA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

CCL:YV:586

CALLSCKY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
017	OR-HIGHWAY PDG	000055587	THOUS VMT	NOX NHC	26.84 24.41	0000752 0000684
018	ON-HIGHWAY HDD	000043989	THOUS VMT	NOX NHC	52.46 5.44	0001154 0000131
019	ON-HIGHWAY WC	000011997	THOUS VMT	NOX NHC	1.22 17.11	0000007 0000103
020	RESIDENTIAL ANTHRACITE	000001444	TON	NOX THC	3.00 2.50	0000002 0000002
021	RESIDENTIAL BITUMINOUS	000000000	TON	NOX THC	3.00 20.00	0000000 0000000
022	RESIDENTIAL RESIDUAL OIL	000000000	THOUS GAL	NOX THC	18.00 1.00	0000000 0000000
023	RESIDENTIAL DISTILLATE	00001514	THOUS GAL	NOX THC	18.00 1.00	0000734 0000041
024	RESIDENTIAL NATURAL GAS	000000862	MIL CU FT	NOX THC	80.00 8.00	0000034 0000003
025	RESIDENTIAL LPG	000000032	THOUS GAL	NOX THC	7.50 0.75	0000323 0000002
026	RESIDENTIAL WOOD	000014314	TON	NOX NHC	1.00 5.00	0000007 0000036
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	000000000	THOUS GAL	NOX THC	60.00 1.00	0000000 0000000

02/15/11

TABLE B-1 (continued)

SCA / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTRY: USA

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RAIL	UNITS	POLLUTANT EMISSION F-0.	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	00000000	THOUS GAL	NOX THC	22.00 000000 1.00 000000
031	COMM/INST NATURAL GAS	000000361	MIL CU FT	NOX THC	120.00 0000022 8.00 0000031
032	COMM/INST LPG	000003724	THOUS GAL	NOX THC	11.00 0000020 0.75 0000001
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	000000000	THOUS GAL	NOX THC	60.00 0000000 1.00 0000000
037	INDUSTRIAL DISTILLATE OIL	000000000	THOUS GAL	NOX THC	22.00 0000000 1.00 0000000
038	INDUSTRIAL NATURAL GAS	000000000	MIL CU FT	NOX THC	175.00 0000000 3.00 0000000
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 0000000 0.30 0000000
040	INDUSTRIAL WOOD/OTHER	000000000	TON	NOX THC	10.00 0000000 36.00 0000000
041	MILITARY AIRCRAFT	000027408	LND/TAKE OFF	NOX THC	5.16 0000126 27.13 0000371
042	CIVIL AIRCRAFT	000229950	LND/TAKE OFF	NOX THC	0.02 0000003 0.41 0000047

02/25/92

TABLE B-1 (continued)

GCA / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY: USHC

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
043	COMMERCIAL AIRCRAFT	000000000	LMD/TAKE OFF	NOX THC	26.93 30.66	0000000 0000000
044	RAILROAD LOCOMOTIVES	000000012	THOUS GAL	NOX THC	370.30 94.00	0000002 0000001
045	VESSELS - GASOLINE	000000020	THOUS GAL	NOX THC	39.07 858.36	0000008 0000180
046	VESSELS - DISTILLATE OIL	000000187	THOUS GAL	NOX THC	270.00 50.00	0000025 0000005
047	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	270.00 50.00	0000000 0000000
048	OFF-HIGHWAY VEHICLES-GAS	000001279	THOUS GAL	NOX THC	105.98 267.24	0000060 0000171
049	OFF-HIGHWAY VEH - DIESEL	000013543	THOUS GAL	NOX THC	421.17 39.11	0002241 0000208
050	ON-SITE INCINERATION	000024625	TON	NOX THC	2.44 39.55	0000030 0000487
051	OPEN BURNING	000093385	TON	NOX THC	5.53 29.02	0000258 0001355
052	STRUCTURAL FIRES	000001140	FIRES	NOX THC	17.00 107.00	0000010 0000061
053	FIELD/SLASH BURNING	000000000	TON	NOX THC	4.00 23.50	0000000 0000000
054	FOREST FIRES	000000017	ACRE	NOX THC	43.21 261.02	0000000 0000002
099	COUNTY TOTALS			THC NOX NOX		0003415 0006945 0010968

02/26/88

TABLE B-1 (continued)

 RC / TECHNOLOGY DIVISION
 AREA SOURCE MASTER FILE SUMMARY
 FOR NEW HAMPSHIRE

COUNTY: 0640

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS R/L	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE 1 GASOLINE EVAP	000027900	THOUS GAL	THC	8.35	0000116
002	STAGE 2 GASOLINE EVAP	000027777	THOUS GAL	THC	9.70	0000135
003	STORAGE TANK BREATHING	000027900	THOUS GAL	THC	1.00	0000014
004	GASOLINE LOADING/TRANSIT	000027900	THOUS GAL	THC	6.67	0000096
005	DM TRL/COMM DECREASING	000045324	POPULATION	NHC	7.59	0000324
006	DRY CLEANING	000045324	POPULATION	NHC	1.50	0000064
007	WFOH SURFACE COATING	000045324	POPULATION	NHC	4.60	0000196
008	BOF BODY & FINISHING	000045324	POPULATION	NHC	1.50	0000081
009	SM ITD SURFACE COATING	000000000	THOUS GAL	THC	4,112.50	0000000
010	GRAPHIC ARTS	000045324	POPULATION	NHC	0.60	0000034
011	COMP/CONS SOLVENT USE	000045324	POPULATION	NHC	6.30	0000269
012	OUTBACK ASPHALT	000000064	TON	NHC	399.00	0000013
013	PESTICIDES	000024814	LES	NHC	0.50	0000011
014	ON-HIGHWAY LDV	000399143	THOUS VMT	NOX NHC	8.67 9.27	0001731 0001451
015	ON-HIGHWAY LGV	000042149	THOUS VMT	NOX NHC	9.38 9.73	0000198 0000205
016	ON-HIGHWAY LGT2	000023867	THOUS VMT	NOX NHC	12.05 12.79	0000144 0000153

02/05/02

TABLE B-1 (continued)

SCS / TECHNOLOGY DIVISION
AREA SOURCE EMISSIONS FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY: 040

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
017	ON-HIGHWAY HDG	000021328	THOUS VMT	NOX	26.84	0000286
				NHC	24.41	0000260
018	ON-HIGHWAY HDD	000012752	THOUS VMT	NOX	52.46	0000440
				NHC	5.54	0000050
019	ON-HIGHWAY MC	000004570	THOUS VMT	NOX	1.22	0000003
				NHC	17.11	0000039
020	RESIDENTIAL ANTHRACITE	000000993	TON	NOX	3.00	0000301
				THC	2.50	0000301
021	RESIDENTIAL BITUMINOUS	000000000	TON	NOX	3.00	0000000
				THC	20.00	0000000
022	RESIDENTIAL RESIDUAL OIL	000000000	THOUS GAL	NOX	18.00	0000000
				THC	1.00	0000000
023	RESIDENTIAL DISTILLATE	000036311	THOUS GAL	NOX	18.00	0000354
				THC	1.00	0000020
024	RESIDENTIAL NATURAL GAS	000000166	MIL CU FT	NOX	80.00	0000007
				THC	8.00	0000301
025	RESIDENTIAL LPG	000002447	THOUS GAL	NOX	7.50	0000009
				THC	0.75	0000001
026	RESIDENTIAL WOOD	000014509	TON	NOX	1.00	0000007
				NHC	5.00	0000036
027	COMM/INST ANTHRACITE	000000000	TON	NOX	10.00	0000000
				THC	0.00	0000000
028	COMM/INST BITUMINOUS	000000000	TON	NOX	6.00	0000000
				THC	3.00	0000300
029	COMM/INST RESIDUAL OIL	000000000	THOUS GAL	NOX	60.00	0000000
				THC	1.00	0000000

02/25/02

TABLE B-1 (continued)

GCA / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY: 040

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS DATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000000000	THOUS GAL	NOX THC	22.00 1.00	0000000 0000000
031	COMM/INST NATURAL GAS	000000138	MIL CU FT	NOX THC	120.00 8.00	0000008 0000001
032	COMM/INST LPG	000001419	THOUS GAL	NOX THC	11.00 0.75	0000008 0000001
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	000000000	THOUS GAL	NOX THC	60.00 1.00	0000000 0000000
037	INDUSTRIAL DISTILLATE OIL	000000000	THOUS GAL	NOX THC	22.00 1.00	0000000 0000000
038	INDUSTRIAL NATURAL GAS	000000000	MIL CU FT	NOX THC	175.00 3.00	0000000 0000000
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.00 0.30	0000000 0000000
040	INDUSTRIAL FUEL/OTHER	000000000	TON	NOX THC	10.00 36.00	0000000 0000000
041	MILITARY AIRCRAFT	000000000	LNO/TAKE OFF	NOX THC	9.16 27.10	0000000 0000000
042	CIVIL AIRCRAFT	000001760	LNO/TAKE OFF	NOX THC	0.02 0.41	0000001 0000017

02/05/12

TABLE B-1 (continued)

GC1 / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY: 0640

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS FATE	UNITS	POLLUTANT I.O.	EMISSION FACTOR	EMISSIONS ESTIMATE
043	COMMERCIAL AIRCRAFT	000000000	LBU/TAKE OFF	NOX THC	26.53 30.66	0000000 0000000
044	RAILROAD LOCOMOTIVES	000000005	THOUS GAL	NOX THC	370.00 94.00	0000001 0000000
045	VESSELS - GASOLINE	000000210	THOUS GAL	NOX THC	39.07 858.36	0000004 0000090
046	VESSELS - DISTILLATE OIL	000000000	THOUS GAL	NOX THC	270.00 50.00	0000000 0000000
047	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	270.00 50.00	0000000 0000000
048	OFF-HIGHWAY VEHICLES-GAS	000000057	THOUS GAL	NOX THC	105.98 267.24	0000030 0000074
049	OFF-HIGHWAY VEH - DIESEL	000000738	THOUS GAL	NOX THC	421.17 39.11	0000155 0000014
050	ON-SITE INCINERATION	000011393	TON	NOX THC	1.05 38.27	0000006 0000218
051	AREA BURNING	000042627	TON	NOX THC	5.54 29.04	0000116 0000619
052	STRUCTURAL FIRES	000000512	FIRES	NOX THC	17.00 107.00	0000004 0000027
053	FYLL/CLASH BURNING	000001500	TON	NOX THC	4.00 23.50	0000003 0000018
054	FOREST FIRES	000000046	ACRE	NOX THC	43.21 261.02	0000001 0000006
009	COUNTY TOTALS			THC NOX		0001469 0003586 0003519

02/25/82

TABLE B-1 (continued)

GCA / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY:0660

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
001	STAGE I GASOLINE EVAP	000015943	THOUS GAL	THC	6.35	0000067
002	STAGE II GASOLINE EVAP	000015873	THOUS GAL	THC	9.70	0000077
003	STAGE III TANK REFILLING	000015943	THOUS GAL	THC	1.00	0000008
004	GASOLINE LOADING/TRANSFER	000015943	THOUS GAL	THC	6.47	0000055
005	SH IND/COMM DEGREASING	000036097	POPULATION	NHC	7.59	0000137
006	DRY CLEANING	000036097	POPULATION	NHC	1.50	0000027
007	WPCF SURFACE COATING	000036097	POPULATION	NHC	4.60	0000063
008	WGT. COY FINISHING	000036097	POPULATION	NHC	1.90	0000034
009	SP I/D SURFACE COATING	000000000	THOUS GAL	THC	4.112.50	0000000
010	GRAPHIC ARTS	000036097	POPULATION	NHC	0.80	0000014
011	COMM/CONS SOLVENT USE	000036097	POPULATION	NHC	6.30	0000114
012	CUTBACK ASPHALT	000000032	TON	NHC	399.00	0000006
013	PESTICIDES	000047720	LBS	NHC	0.90	0000021
014	ON-HIGHWAY LDV	000195571	THOUS VMT	NOX NHC	8.47 9.27	0000866 0000925
015	ON-HIGHWAY LDT1	000021074	THOUS VMT	NOX NHC	9.38 9.73	0000099 0000103
016	ON-HIGHWAY LDT2	000011934	THOUS VMT	LOX NHC	12.05 12.79	0000072 0000076

TABLE B-1 (continued)

GC / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY:0560

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
017	ON-HIGHWAY HDG	000010664	THOUS VMT	NOX NHC	26.84 24.41	0000143 0000130
018	ON-HIGHWAY HDG	000006375	THOUS VMT	NOX NHC	52.46 5.54	0000220 0000025
019	ON-HIGHWAY MC	000002285	THOUS VMT	NOX NHC	1.22 17.11	0000001 0000020
020	RESIDENTIAL ANTHRACITE	000002000	TON	NOX THC	3.00 2.50	0000003 0000003
021	RESIDENTIAL BITUMINOUS	000000000	TON	NOX THC	3.00 20.00	0000000 0000000
022	RESIDENTIAL RESIDUAL OIL	000000000	THOUS GAL	NOX THC	18.00 1.00	0000000 0000000
023	RESIDENTIAL DISTILLATE	000017788	THOUS GAL	NOX THC	18.00 1.00	0000160 0000009
024	RESIDENTIAL NATURAL GAS	000000063	MIL CU FT	NOX THC	80.00 8.00	0000003 0000000
025	RESIDENTIAL LPG	000001780	THOUS GAL	NOX THC	7.50 0.75	0000007 0000001
026	RESIDENTIAL WOOD	000017372	TON	NOX NHC	1.00 5.00	0000003 0000043
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	000000000	THOUS GAL	NOX THC	60.00 1.00	0000000 0000000

02/25/00

TABLE B-1 (continued)

GCA / TECHNOLOGY DIVISION
 AREA SOURCE MASTER FILE SUMMARY
 FOR NEW HAMPSHIRE

COUNTY: 0660

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
030	COMM/INST DISTILLATE OIL	000000000	THOUS GAL	NOX THC	22.00 1.00	0000000 0000000
031	COMM/INST NATURAL GAS	000000069	MIL CU FT	NOX THC	120.00 0.00	0000004 0000000
032	COMM/INST LPG	000000709	THOUS GAL	NOX THC	11.00 0.75	0000004 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	000000000	THOUS GAL	NOX THC	60.00 1.00	0000000 0000000
037	INDUSTRIAL DISTILLATE OIL	000000000	THOUS GAL	NOX THC	22.00 1.00	0000000 0000000
038	INDUSTRIAL NATURAL GAS	000000000	MIL CU FT	NOX THC	175.00 3.00	0000000 0000000
039	INDUSTRIAL LPG	000000000	THOUS GAL	NOX THC	11.65 0.30	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	9.16 27.10	0000000 0000000
042	CIVIL AIRCRAFT	000035770	LND/TAKE OFF	NOX THC	6.02 0.41	0000001 0000007

02/15/82

TABLE B-1 (continued)

SCS / TECHNOLOGY DIVISION
AREA SOURCE MASTER FILE SUMMARY
FOR NEW HAMPSHIRE

COUNTY: 0600

CATEGORY NUMBER	CATEGORY DESCRIPTION	PROCESS RATE	UNITS	POLLUTANT I.D.	EMISSION FACTOR	EMISSIONS ESTIMATE
043	COMMERCIAL AIRCRAFT	000000000	LND/TAKE OFF	NOX THC	26.93 30.66	0000009 0000000
044	RAILROAD LOCOMOTIVES	000000005	THOUS GAL	NOX THC	370.30 94.00	0000001 0000000
045	VESSELS - GASOLINE	000000168	THOUS GAL	NOX THC	39.07 858.36	0000003 0000072
046	VESSELS - DISTILLATE OIL	000000000	THOUS GAL	NOX THC	270.00 50.00	0000000 0000000
047	VESSELS - RESIDUAL OIL	000000000	THOUS GAL	NOX THC	270.00 50.00	0000000 0000000
048	OFF-HIGHWAY VEHICLES-048	000000387	THOUS GAL	NOX THC	105.98 267.24	0000321 0000052
049	OFF-HIGHWAY VEH - DIESEL	000000345	THOUS GAL	NOX THC	421.17 39.11	0000073 0000007
050	CITY INCINERATION	000004687	TON	NOX THC	2.46 38.06	0000006 0000093
051	OPEN BURNING	000010006	TON	NOX THC	5.55 29.10	0000050 0000262
052	STRUCTURAL FIRES	000000217	FIRES	NOX THC	17.00 107.00	0000002 0000012
053	FIELD/SLASH BURNING	000000000	TON	NOX THC	4.00 23.50	0000000 0000000
054	FOREST FIRES	000000093	ACRE	NOX THC	43.21 261.02	0000002 0000012
999	COUNTY TOTALS			THC NHG NOX		0000737 0001758 0001750