
Attachment A

**Results of HAP Questionnaire
Sections I-IV, and VI**

I_A In general, do you agree that EPA should propose HAP emission inventory reporting requirements for State and Local agencies?

State

Yes: 27

No: 4

Local

Yes: 17

No: 2

II_A Has your agency completed an emission inventory that includes any or all of the 188 HAPs as listed in the CAA?

State

Yes: 27

No: 5

Local

Yes: 16

No: 5

II_B If your answer to II.A is Yes, is the HAP Inventory data collected by your agency based on a statutory requirement, or is it based on a voluntary submittal?

State

Statutory requirement: 16

Voluntary submittal: 10

Local

Statutory requirement: 13

Voluntary submittal: 3

II_C If your answer to II.A is No, is your agency planning to begin an emission inventory process that includes HAPs in the near future?

State

Yes: 3

No: 2

Local

Yes: 1

No: 4

II_D If your answer to II.C is Yes, when does your agency expect to complete a HAP inventory?

State

1 We are following the progress of the CERR

1 2002

1 2 to 5 years

Local

1 2001

III_A Please select the categories below for which your agency has a HAP emission inventory.

State	
Major point	28
Area point	21
Area Non-point	15
Mobile	13
Local	
Major point	16
Area point	14
Area Non-point	6
Mobile	4

III_B How many HAPs are included in the inventory for the following categories?

State		Local	
Major Point		Major Point	
<= 50	2	<= 50	6
>= 51 and <= 100	3	>= 51 and <= 100	3
>= 101 and <= 187	6	>= 101 and <= 187	0
188	11	188	6
>= 189	3	>= 189	1
Area Point		Area Point	
<= 50	1	<= 50	5
>= 51 and <= 100	2	>= 51 and <= 100	4
>= 101 and <= 187	5	>= 101 and <= 187	0
188	9	188	4
>= 189	2	>= 189	1
Area Non-Point		Area Non-Point	
<= 50	4	<= 50	3
>= 51 and <= 100	3	>= 51 and <= 100	1
>= 101 and <= 187	1	>= 101 and <= 187	1
188	5	188	1
>= 189	1	>= 189	1
Mobile		Mobile	
<= 50	4	<= 50	3
>= 51 and <= 100	2	>= 51 and <= 100	0
>= 101 and <= 187	0	>= 101 and <= 187	0
188	4	188	1
>= 189	0	>= 189	0

III_C How are the HAPs identified in the inventory?

State

- 27 Chemical Abstract Registry Service (CAS) number
- 1 Pollutant name (as specified by Material Safety Data Sheet (MSDS))
- 0 Pollutant name (as specified by American Chemical Society)
- 14 Pollutant name (as specified by Clean Air Act)
- 2 Other

Local

- 12 Chemical Abstract Registry Service (CAS) number
- 2 Pollutant name (as specified by Material Safety Data Sheet (MSDS))
- 2 Pollutant name (as specified by American Chemical Society)
- 10 Pollutant name (as specified by Clean Air Act)
- 1 Other

III_DE% What percentage of counties in your agency's responsibility are covered by the HAP inventory for the following categories:

State

- Major point
 - 100% 22
 - 85% 1
 - 80% 1
 - 40% 1
- Area point
 - 100% 18
 - 90% 1
- Area Non-point
 - 100% 13
 - 98% 1
- Mobile
 - 100% 11
 - 98% 1

Local

- Major point
 - 100% 17
 - Area point
 - 100% 14
 - Area Non-point
 - 100% 5
 - 17% 1
 - Mobile
 - 100% 4
-

III_F How many facilities are/would be represented in your agency's HAP point source emission inventory?

State		Local	
Major Point		Major Point	
<=100	4	<=100	13
>=101 and <=500	16	>=101 and <=500	3
>=501 and <=1000	2	>=501 and <=1000	0
>=1001	4	>=1001	0
Area Point		Area Point	
<=100	2	<=100	6
>=101 and <=500	6	>=101 and <=500	6
>=501 and <=1000	3	>=501 and <=1000	0
>=1001	7	>=1001	1

III_G At what data level are HAP emissions reported for point sources in your inventory?

State	
Release Point	18
Emission Unit	18
Site	20
Other	7
Local	
Release Point	7
Emission Unit	10
Site	11
Other	1

III_H How does your agency estimate HAP emissions from point sources?

State	
20	Applying HAP emission factors to activity or throughput data
9	Obtaining VOC and PM emissions and applying HAP speciation profiles
19	Obtaining actual speciated HAP emissions
10	Other
Local	
14	Applying HAP emission factors to activity or throughput data
8	Obtaining VOC and PM emissions and applying HAP speciation profiles
15	Obtaining actual speciated HAP emissions
1	Other

III_I_1 Please briefly describe the de minimus point source inventory reporting thresholds established by your agency.

State	
1	consistent with Title V
1	de minimus established by data system
7	de minimus exists or varies depending on HAP
4	de minimus for criteria
5	de minimus for HAPs
2	HAP reporting is voluntary
4	No de minimus
6	Other

Local

- 1 consistent with Title V
- 4 de minimus established by data system
- 2 de minimus exists or varies depending on HAP
- 1 de minimus for criteria
- 5 de minimus for HAPs
- 0 HAP reporting is voluntary
- 4 No de minimus
- 0 Other

III_J At what time intervals does your agency (plan to) update the HAP emission inventory?

State

Major Point

- Ongoing: 2
- Annually: 19
- Every 2 Years: 2
- Every 3 Years: 4
- Not regularly: 0
- Other: 2

Area Point

- Ongoing: 1
- Annually: 13
- Every 2 Years: 2
- Every 3 Years: 9
- Not regularly: 1
- Other: 0

Area Non-point

- Ongoing: 1
- Annually: 4
- Every 2 Years: 0
- Every 3 Years: 14
- Not regularly: 2
- Other: 1

Mobile

- Ongoing: 1
- Annually: 4
- Every 2 Years: 0
- Every 3 Years: 12
- Not regularly: 2
- Other: 2

Local

Major Point

- Ongoing: 1
- Annually: 12
- Every 2 Years: 0
- Every 3 Years: 1
- Not regularly: 0
- Other: 0

Area Point

- Ongoing: 1
- Annually: 6
- Every 2 Years: 1
- Every 3 Years: 3
- Not regularly: 0
- Other: 1

Area Non-point

- Ongoing: 0
- Annually: 2
- Every 2 Years: 0
- Every 3 Years: 2
- Not regularly: 1
- Other: 1

Mobile

- Ongoing: 0
- Annually: 1
- Every 2 Years: 1
- Every 3 Years: 2
- Not regularly: 0
- Other: 0

III_K For each category, please use the table below to indicate the latest year and include a "C" if an inventory is complete, or a "W" if an inventory is being worked on, but is not yet complete.

State			State		
Major Point	<i>(Completed)</i>		Major Point	<i>(Working)</i>	
2000	5		2000	15	
1999	14		1999	4	
1998	2		1998		
1997	1		1997		
1996	1		1996		
1995			1995		
Area Point	<i>(Completed)</i>		Area Point	<i>(Working)</i>	
2000	4		2000	11	
1999	7		1999	5	
1998	2		1998		
1997	1		1997		
1996	2		1996		
1995			1995		
Area Non-point	<i>(Completed)</i>		Area Non-point	<i>(Working)</i>	
2000	1		2000	4	
1999			1999	13	
1998	3		1998		
1997	1		1997		
1996	2		1996		
1995			1995		
Mobile	<i>(Completed)</i>		Mobile	<i>(Working)</i>	
2000	1		2000	2	
1999	2		1999	11	
1998	2		1998	1	
1997	1		1997		
1996	3		1996		
1995			1995		
Local			Local		
Major Point	<i>(Completed)</i>		Major Point	<i>(Working)</i>	
2000	6		2000	9	
1999	6		1999		
1998			1998		
1997	1		1997		
1996	1		1996		
1995			1995		

Area Point	<i>(Completed)</i>	Area Point	<i>(Working)</i>
2000	4	2000	6
1999	5	1999	1
1998	1	1998	
1997	1	1997	
1996	1	1996	
1995		1995	
Area Non-point	<i>(Completed)</i>	Area Non-point	<i>(Working)</i>
2000	2	2000	4
1999	1	1999	
1998		1998	
1997	1	1997	
1996	1	1996	1
1995		1995	
Mobile	<i>(Completed)</i>	Mobile	<i>(Working)</i>
2000		2000	2
1999	2	1999	1
1998		1998	
1997	1	1997	
1996	1	1996	
1995		1995	

III_L On what temporal basis are the HAP emissions data available?

State		State	
Major Point		Area point	
Hourly	2	Hourly	1
Daily	2	Daily	2
Seasonally	5	Seasonally	5
Annually	28	Annually	22
Mobile		Area Non-point	
Daily	2	Daily	3
Monthly	1	Seasonally	1
Annually	14	Annually	16
Local		Local	
Major Point		Area point	
Hourly	3	Hourly	2
Monthly	1	Monthly	1
Annually	16	Annually	14
Mobile		Area Non-point	
Annually	3	Annually	6

III_M On what geographic/political boundaries are the HAP emissions data available?

State

Major Point

22 Latitude/Longitude
 16 Zip Code
 17 County
 2 Township
 4 Nonattainment Area
 3 Metropolitan Stat Area
 1 Consolidated Metro Stat Area
 18 State

Mobile

2 Latitude/Longitude
 13 County
 1 Consolidated Metro Stat Area
 5 State

Local

Major Point

8 Latitude/Longitude
 9 Zip Code
 6 County
 3 Nonattainment Area
 1 Metropolitan Stat Area
 1 Consolidated Metro Stat Area
 2 State

Mobile

4 County
 1 Consolidated Metro Stat Area
 1 State

State

Area Point

17 Latitude/Longitude
 14 Zip Code
 18 County
 2 Township
 3 Nonattainment Area
 1 Consolidated Metro Stat Area
 13 State

Area Non-point

1 Latitude/longitude
 17 County
 1 Nonattainment Area
 1 Consolidated Metro Stat Area
 5 State

Local

Area Point

7 Latitude/Longitude
 7 Zip Code
 9 County
 2 Nonattainment Area
 1 Consolidated Metro Stat Area
 2 State

Area Non-point

1 Latitude/longitude
 3 Zip Code
 5 County

III_N Has your agency provided any HAP data to EPA for the National Toxics Inventory?

State

Yes: 27
 No: 5

Local

Yes: 15
 No: 6

III_O If your answer to III.M is Yes, please specify year(s).

State

1996 19
 1999 24

Local

1996 12
 1999 10

IV_A If your agency has not developed a HAP inventory, what is the status of your effort?

State

- 4 Need Guidance
- 2 Developed a Plan
- 1 Implementing a methodology

Local

- 4 Need Guidance
 - 1 Developed a Plan
 - 1 Implementing a methodology
-

IV_B Please select the statement below that applies to your HAP emission inventory efforts.

State

- 6 Our agency has all of the tools necessary to develop a HAP emission inventory.
- 25 Our agency needs additional tools to develop a HAP emission inventory.

Local

- 5 Our agency has all of the tools necessary to develop a HAP emission inventory.
 - 15 Our agency needs additional tools to develop a HAP emission inventory.
-

IV_D What kind of computer software/data formats does your agency use for HAP emission inventory related work?

State

Lotus	3
Excel	22
Quattro Pro	4
Access	17
Paradox	4
dBASE/FoxPro	11
Arcview	12
Oracle	16
Arcinfo	6
None	1

Local

Excel	10
Quattro Pro	1
Access	9
dBASE/FoxPro	4
Arcview	3
Oracle	3
Arcinfo	1

IV_E What emissions models do/will your agency use for HAP emission inventory related work?

State

Chemdat 8	2
LandGEM	7
MOBILE 5/6	22
MOBTOX	9
NONROAD	19
PART 5	13
SIMS	3
TANKS	11
Water 8	2

Local

Chemdat 8	1
LandGEM	5
MOBILE 5/6	8
MOBTOX	1
NONROAD	6
PART 5	2
SIMS	2
TANKS	11
Water 8	6

IV_F Can your agency submit HAP data to EPA in the current (V2.0) National Emission Inventory Input format?

State

Yes: 27

No: 3

Local

Yes: 10

No: 9

IV_G What type of quality assurance practices on emission inventory information do you employ?

State

- 25 Missing Data values
- 10 Statistical checks
- 11 Inter-pollutant comparisons
- 23 Calculation Checks
- 19 Format Checks
- 11 Geographic Spatial Allocation Checks
- 27 Reasonableness checks
- 17 Peer Review
- 16 Outlier Screening

Local

- 13 Missing Data values
 - 3 Statistical checks
 - 3 Inter-pollutant comparisons
 - 13 Calculation Checks
 - 9 Format Checks
 - 2 Geographic Spatial Allocation Checks
 - 14 Reasonableness checks
 - 6 Peer Review
 - 6 Outlier Screening
-

IV_H Is your agency aware of EPA's new QA/QC tool for the NIF V2.0?

State

- Yes: 25
- No: 7

Local

- Yes: 6
 - No: 14
-

IV_I If your answer to IV.I is Yes, does your agency plan to use the EPA NIF V2.0 QA/QC tool?

State

- Yes: 22
- No: 4

Local

- Yes: 6
 - No: 1
-

VI_A How does/will your agency use the HAP information that is collected?

State

- 17 To implement a State/Local toxics program
- 25 Trends tracking/emission reduction analyses
- 21 Determine fees based on emissions
- 16 Develop operating permits
- 18 Establish baseline emissions
- 23 Freedom of Information Act responses
- 23 State/Local modeling
- 21 Risk assessment/characterization
- 12 Multi-state modeling

Local

- 13 To implement a State/Local toxics program
 - 11 Trends tracking/emission reduction analyses
 - 10 Determine fees based on emissions
 - 7 Develop operating permits
 - 1 Emissions trading
 - 7 Establish baseline emissions
 - 13 Freedom of Information Act responses
 - 15 State/Local modeling
 - 13 Risk assessment/characterization
-

VI_B Once the HAP emission inventory data that your agency collects is submitted to EPA, do you know how the information is to be used?

State

- Yes: 21
- No: 9

Local

- Yes: 9
 - No: 9
-

VI_C How important is it to your organization to work with other agencies to establish multi-state HAP emission inventories?

State

- 7 Important
- 7 Not Very Important
- 9 Somewhat Important
- 9 Very Important

Local

- 3 Important
 - 7 Not Very Important
 - 7 Somewhat Important
 - 3 Very Important
-

Question IV.C. What are the most important source categories (i.e., no more than 10) that your agency cannot include in a HAP inventory because of a lack of emission factors or activity data?

State/ Local	Category	Pollutant	Activity Data or Emission Factors Lacking?
State	All Categories	PCBs	Emission Factors
State	All Categories requiring resource intensive surveys		Both
State	Several VOC Sources (e.g. pharmaceuticals)	Specific compounds	Emission Factors
State	Various Arsenic Sources	Arsenic & specific arsenic compounds	Emission Factors
State	Various Chromium Sources	Chromium & specific compounds	Emission Factors
State	Various Mercury Sources	HG & compounds	Emission Factors
State	POM generation	POM	Emission Factors
Local	Point		
State	Major Point	Formaldehyde	
Local	Area		
State	Area	All HAPs	Emission Factors
State	Area Non-Point		
State	Area Non-Point	188 HAPs	Emission Factors
Local	Area Non-Point	All HAPs	Emission Factors
State	Area Point	Formaldehyde	
State	Point Source Fuel Combustion	All HAPs	Emission Factors
Local	Power Plants	Mercury (Hg)	Both
Local	Combustion	PICS, dioxin	Both
State	LPG Combustion	All Possible HAPs	Emission Factors
Local	Internal Combustion Engines (all fuels)	All HAPS	Emission Factors
Local	Natural Gas Combustion	Acrolein	Emission Factors
Local	Gas Turbines	All HAPS	Emission Factors
Local	Industrial	VOC HAPs	Both
Local	Mineral Wool Plants	Several	Both
State	Misc. Industrial Chemical Processes		
State	Coke oven batteries and by product recovery plants	VO HAPS, Metals, POMS, Hg	Emission Factors
Local	Coke Plants	Several	Both
Local	Steel Manufacturing	Benzene, PICS	Both
State	Iron and Steel Making Furnaces, Sintering processes, Slag handling, etc	VO HAPs, Metals, POMS, HG	Emission Factors
Local	Iron Foundries	Multiple HAPs	Emission Factors
Local	Gray Iron Foundries	Several	Both
Local	Secondary Aluminum Smelters	Several	Both
Local	Secondary Aluminum-Sweat Furnaces	All HAPS	Emission Factors
Local	Secondary Brass Smelters	Several	Both
State	Chrome Electroplating		Emission Factors
Local	Welding	Chromium, Nickel	Emission Factors
Local	Plasma and flame metal spraying	Chromium, Nickel	Emission Factors
State	Oil & Gas Production (Area)	All HAPs	Both
State	Petroleum Refineries / Gasoline	VO HAPs	Emission Factors
State	Asphalt	All 188	Activity Data
State	Fiberglass products	Styrene & various VOC	Emission Factors
State	Textiles	VOC HAPs	Emission Factors
State	Rubber Tire Manufacturing	Various VOC/HAPs	Emission Factors
State	Photographic Industry		Both
State	Consumer Products	All HAP's emitted	Activity Data
State	Commercial Consumer Products		Emission Factors
State	Dry Cleaners		Activity Data
State	Graphic Arts and Industrial Surface Coating	All Possible HAPs	Both
State	Industrial Surface Coating		Emission Factors
State	Coatings	All HAPs	Activity Data
State	Coatings	All HAP's emitted	Emission Factors
State	Coatings		Emission Factors
State	Furniture Coating	All 188	Activity Data
State	Boat Manufacturing		Emission Factors
State	Boat/ Boat Repair	all 188	Activity Data
Local	Gasoline Dispensing	Benzene	Emission Factors
State	Gasoline Dispensing	All 188	Activity Data
State	Gasoline Related		Activity Data
State	Waste Water Treatment Plant		Activity Data
State	Landfills		Activity Data
Local	Medical Waste Incinerators	Several	Both
State	Incineration	PAH	Both
Local	Prescribed Burning	PAH's	Emission Factors
State	Prescribed Burning	All HAPs	Activity Data
State	Wildfires		Both
State	Wildfires	POM, PAH and aldehydes	Emission Factors

State/ Local	Category	Pollutant	Activity Data or Emission Factors Lacking?
State	Wildfires	All HAPs	Activity Data
State	Wildfires		Activity Data
State	Wildfires	HAPs in PM Format	Emission Factors
State	Open Burning		Both
State	Open Burning	HAPs in PM Format	Emission Factors
State	Open Burning	PAH	Both
Local	Wood Burning	Many HAPs	Emission Factors
State	Wood Burning	PAH	Both
State	Structure Fires	HAPs in PM Format	Emission Factors
State	Agricultural Burning: open field, propaning, stack burning		Activity Data
State	Pesticide Application	all 188	Both
Local	Pesticides / Agricultural	All HAPs	Both
State	Concentrated Animal Feeding Operations (CAFOs)	HAPs	Emission Factors
State	Resuspended Dust	Metals	Emission Factors
Local	Resuspended Dust	Metals	Both
Local	Mobile	Metals & additional VOC	
State	Mobile	All HAPs	Activity Data
Local	Mobile	All HAPs	Emission Factors
Local	Mobile	HAPs, Benzene	Both
State	Mobile		Both
State	Onroad	All 188	Both
State	Onroad	All 21 defined Mobile toxics	
State	Nonroad	All HAPs	Both
State	Nonroad	All possible HAPs	
State	Nonroad	All 188	Both
State	Nonroad	All HAP's emitted	
State	Diesel Exhaust		Both
State	Off-road diesel	Diesel PM	Both
State	Construction Equipment	All HAPs	Activity Data
Local	Lawn/Garden equipment	Metals	Both
State	Airport GSE	All HAPs	Activity Data
State	Military, county and municipal airports other than DIA	Several HAPs	Activity Data
State	Biogenics	1,3-Butadiene	Emission Factors

Number of Respondents Naming:

INDUSTRIAL PROCESSES	22
MOBILE (ONROAD/NONROAD or BOTH)	17
COATING PROCESSES	8
WILDFIRES/PRESCRIBED BURNING	7
OPEN BURNING	7
INDUSTRIAL COMBUSTION	7
WASTE DISPOSAL	4

Report of Respondents

State

State:	AK	Organization:	Arkansas Department of Environmental Quality
State:	AL	Organization:	Alabama Dept of Environmental Management
State:	AZ	Organization:	Arizona Department of Environmental Quality
State:	CA	Organization:	CA Air Resources Board
State:	CO	Organization:	Colorado Department of Public Health & Environment
State:	DE	Organization:	Delaware Air Quality Management Section Division of Air & Waste Management Department of Natural Resources & Environmental Control
State:	FL	Organization:	Florida Department of Environmental Protection
State:	GA	Organization:	Georgia Environmental Protection Division (GaEPD)
State:	IA	Organization:	Indiana Department of Environmental Management
State:	IL	Organization:	Illinois EPA
State:	IO	Organization:	Iowa Department of Natural Resources
State:	LA	Organization:	Department of Environmental Quality - Louisiana
State:	MA	Organization:	MA DEP
State:	ME	Organization:	Maine DEP
State:	MI	Organization:	Michigan Dept. of Env. Quality, Air Quality Division
State:	MN	Organization:	Minnesota Pollution Control Agency
State:	MO	Organization:	Missouri Department of Natural Resources- Air Pollution Control Program
State:	MS	Organization:	Mississippi Department of Environmental Quality
State:	NC	Organization:	NC Dept. of Environment & Natural Resources, Division of Air Quality
State:	NE	Organization:	Nebraska Department of Environmental Quality
State:	NH	Organization:	NH Dept. of Environmental Services Air Resources Division
State:	NY	Organization:	New York State Department of Environmental Conservation
State:	OH	Organization:	Ohio EPA
State:	OR	Organization:	Oregon Dept.of Environmental Quality
State:	SC	Organization:	South Carolina Dept. of Health and Environmental Control
State:	TX	Organization:	Tx Natural Resource Conservation Commission
State:	VA	Organization:	Virginia DEQ

State: VT Organization: State of VT - DEC - APCD

State: WA Organization: WA Dept. of Ecology

State: WI Organization: Wisconsin DNR, Bureau of Air Management

State: WV Organization: WV Division of Air Quality

State: WY Organization: Wyoming DEQ, Air Quality Division

Local

State: AL Organization: Jefferson County Department of Health - AL

State: AZ Organization: Maricopa County Environmental Services Dept. - AZ

State: CA Organization: Mojave Desert Air Management District Antelope Valley Air Pollution Control District

State: CA Organization: San Diego Air Pollution Control District

State: CA Organization: San Luis Obispo County Air Pollution Control District

State: CA Organization: Ventura County Air Pollution Control District

State: CO Organization: Denver Depart of Env. Health - CO

State: FL Organization: City of Jacksonville, Air & Water Quality Division - FL

State: FL Organization: Pinellas County Environmental Management, Air Quality Division

State: KY Organization: Air Pollution Control District of Jefferson County - KY

State: NC Organization: Forsyth County Environmental Affairs - NC

State: NE Organization: Lincoln-Lancaster County Health Department - NE

State: OH Organization: Hamilton County Department of Environmental Services, Ohio

State: PA Organization: Allegheny County Health Department Air Quality Program

State: PA Organization: Air Management Services (Agency for Philadelphia County, Pennsylvania)

State: TN Organization: Metro Nashville and Davidson County Health Department - Pollution Control Division

State: TN Organization: Chattanooga-Hamilton County Air pollution Control Bureau - TN

State: WA Organization: Southwest Clean Air Agency

State: WA Organization: Puget Sound Clean Air Agency

State: WA Organization: Spokane County Air Pollution Control Authority

State: WA Organization: Olympic Air Pollution Control Authority [local agency]

Summary Points Made on the 10/2/01 STAPPA/ALAPCO Call

Number of respondents: 53 Total, 32 states, 21 localities

Response to Question I, *“In general, do you agree that EPA should propose HAP emission inventory reporting requirements for State and Local agencies?”*

States: Yes = 87%
Locals: Yes = 89%

Response to Question II-A, *“Has your agency completed an emission inventory that includes any or all of the 188 HAPs as listed in the CAA?”*

States: Yes = 84%
Locals: Yes = 80%

Response to Question III-A, *“Please select the categories for which your agency has a HAP emission inventory.”*

Percent saying “Yes”:

	<u>States</u>	<u>Local</u>
Major point	88%	80%
Area point	66%	70%
Area non-point	47%	30%
Mobile	41%	20%

Response to Question III-B, *“How many HAPs in your inventory for the following categories?”*

Percent having 188 or more HAPs in inventory:

	<u>States</u>	<u>Local</u>
Major point	44%	35%
Area point	34%	25%
Area non-point	19%	10%
Mobile	13%	5%

Response to Question IV-B, *“Do you have all the tools you need to develop an inventory?”*

Percent saying “NO”:

States: 81%
Locals: 80%

Analysis of responses to Question IV-C, “*What is lacking, emission or activity factors, and for which source categories?*”

States and Locals examined together - 96 total entries in the table

80% of entries cite lack of emission factor

54% of entries cite lack of activity factor

37% of entries cite industrial process, coatings, or industrial burning as source categories needing work

17% of entries cite mobile sources-on and off road

32% of entries cite various area sources (burning, waste handling, etc)

7% of entries cite various chemicals --no specific source

8% of entries cite other sources or ALL

***INSTRUCTIONS FOR COMPLETING HAZARDOUS AIR POLLUTANT (HAP)
EMISSION INVENTORY QUESTIONNAIRE***

The purpose of the questionnaire is to obtain information on the status of HAP emission inventory practices by State and local agencies. We request that the questionnaire be answered by your State or local agency's emission inventory coordinator or designated emission inventory staff. Please respond to all questions to the best of your ability and knowledge.

Throughout the questionnaire, you will see references to four separate categories of sources including:

- Major Point
- Area Point
- Area Non-point
- Mobile

The four categories are defined as follows:

Major Point Source: Any source (i.e., a contiguous area under common control) of toxic air pollution that emit or has the potential to emit 10 tons per year of any listed HAP, or a combination of listed HAPs of 25 tons or more.

Area Point Source: Stationary point sources that are not major and thus emit less than 10 tons of a single HAP or less than 25 tons of multiple HAPs.

Area Non-point Source: Sources not included in the point source inventory that emit less than 10 tons per year of a single HAP, or less than 25 tons per year of a combination of HAPs. These sources are reported as non-point source stationary source category aggregates at the county level.

Mobile Source: Mobile sources include both onroad and nonroad mobile sources. Onroad mobile sources are vehicles registered for use on public roadways, and include automobiles, light-duty and heavy-duty trucks, buses and motorcycles. Nonroad mobile sources are mobile and portable internal combustion powered equipment not generally licensed or certified for highway use (e.g., lawn and garden equipment, construction equipment, aircraft, and locomotives).

We recognize that all State/local agencies may not compile and report HAP emission inventories according to the above source categories. If you cannot use the four categories we have proposed, please define categories that are as similar as possible, and use your redefined categories in place of ours through out the survey. Please specify below a definition of your revised categories.

HAP EMISSION INVENTORY QUESTIONNAIRE

I. GENERAL INFORMATION

First Name
Last Name
Job Title
Area of Responsibility
Organization
Telephone Number
Fax Number
E-Mail Address
Web Site

In general, do you agree that EPA should propose HAP emission inventory reporting requirements for State and local agencies?

Yes
No

Comments:

NOTE: Your response will not be viewed as the final official position of your State or locality. You will have an opportunity to express an official position in response to a formal proposed rule by EPA.

II. EMISSION INVENTORY STATUS

A. Has your agency completed an emission inventory that includes any or all of the 188 HAPs as listed in the CAA?

Yes
No

B. If your answer to II.A is Yes, is the HAP inventory data collected by your agency based on a statutory requirement, or is it based on voluntary submittal? (please select one)

Statutory requirement
Voluntary

C. If your answer to II.A is No, is your agency planning to begin an emission inventory process that includes HAPs in the near future?

Yes
No

- D. If your answer to II.C is Yes, when does your agency expect to complete a HAP inventory?

III. YOUR AGENCY'S CURRENT HAP EMISSION INVENTORY

- A. Please select the categories below for which your agency has a HAP emission inventory.

Major Point
Area Point
Area Non-point
Mobile

- B. How many HAPs are included in the inventory for the following categories?

Major Point _____
Area Point _____
Area Non-point _____
Mobile _____

- C. How are the HAPs identified in the inventory?

Chemical Abstract Registry Service (CAS) number
Pollutant name (as specified by Material Safety Data Sheet (MSDS))
Pollutant name (as specified by American Chemical Society)
Pollutant name (as specified by Clean Air Act)
Other, please specify

- D. How many counties are in the overall area of your agency's responsibility?

- E. How many counties are covered by the HAP inventory for the following categories?

Major Point _____
Area Point _____
Area Non-point _____
Mobile _____

- F. How many facilities are/would be represented in your agency's HAP point source emission inventory?

Major Point _____
Area Point _____

- G. At what data level are HAP emissions reported for point sources in your inventory?
(select all that apply)

Release Point (Emission Point)
Emission Unit
Site
Other, please specify

- H. How does your agency estimate HAP emissions from point sources?
(select all that apply)

Applying HAP emission factors to activity or throughput data
Obtaining VOC and PM emissions and applying HAP speciation profiles
Obtaining actual speciated HAP emissions
Other, please explain

- I. Please briefly describe the *de minimus* point source inventory reporting thresholds established by your agency.

- J. At what time intervals does your agency (plan to) update the HAP emission inventory?
(please indicate for each category)

	Major Point	Area Point	Area Non-point	Mobile
Ongoing				
Annually				
Every 2 years				
Every 3 years				
Not Regularly				
Other				

Comments:

- K. How current is your HAP emission inventory? For each category, please use the table below to indicate the latest year and include a “C” if an inventory is complete, or a “W” if an inventory is being worked on, but is not yet complete.

	Major Point	Area Point	Area Non-point	Mobile
2000				
1999				
1998				
1997				
1996				
1995				
Other (indicate year or N/A)				

Comments:

- L. On what temporal basis are the HAP emissions data available? (please indicate for each category)

	Major Point	Area Point	Area Non-point	Mobile
Hourly				
Daily				
Monthly				
Seasonally				
Annually				
Other (please explain, or indicate N/A)				

Comments:

- M. On what geographic/political boundaries are the HAP emissions data available? (please indicate for each category)

	Major Point	Area Point	Area Non-point	Mobile
Latitude/Longitude				
ZIP Code				
Census Tract				
Tribe				
County				
Township				
Nonattainment Area				
Metropolitan Statistical Area				
Consolidated Metropolitan Statistical Area				
State				
Other (please explain)				

Comments:

- N. Has your agency provided any HAP data to EPA for the National Toxics Inventory (currently referred to as the National Emissions Inventory)?

Yes

No

- O. If your answer to III.M is Yes, please specify year(s).

1996 ____

1999 ____

IV. TOOLS/GUIDANCE

A. If your agency has not developed a HAP inventory, what is the status of your effort?

- Need guidance on developing and implementing a methodology
- Developed a plan/methodology
- Implementing a methodology

B. Please select the statement below that applies to your HAP emission inventory efforts.

_____ Our agency has all of the tools (e.g., activity data, emission factors, software) necessary to develop a HAP emission inventory.

_____ Our agency needs additional tools to develop a HAP emission inventory.
(please specify the most critical tools needed [i.e., no more than 3])

C. What are the most important source categories (i.e., no more than 10) that your agency cannot include in a HAP inventory because of a lack of emission factors or activity data?

Category	Pollutant(s)	Emission Factor or Activity Lacking?

D. What kind of computer software/data formats does your agency use for HAP emission inventory related work? (select all that apply)

Lotus
Excel
Quattro Pro
Access
Paradox
dBASE/FoxPro
Oracle
Arcview
Arcinfo
None
Other, please specify

E. What emissions models do/will your agency use for HAP emission inventory related work? (select all that apply)

Chemdat 8
LandGEM (Landfill Gas Emissions Model)
MOBILE 5/6 (Mobile Source Emissions Model)
MOBTOX
NONROAD model
PART 5 (Highway Vehicle Particulate Emission Factor Model)
SIMS (Surface Impoundment Modeling System)
TANKS
Water 8
Other (please specify)

F. Can your agency submit HAP data to EPA in the current (V2.0) National Emission Inventory Input format?

Yes
No

- G. What type of quality assurance practices on emission inventory information do you employ? (select all that apply)

Missing data values

Statistical checks

Inter-pollutant comparisons

Calculation checks

Format checks

Geographic and spatial allocation checks (e.g., using GIS)

Reasonableness checks

Peer review

Outlier screening

Other (please specify)

- H. Is your agency aware of EPA's new QA/QC tool for the NIF V2.0?

Yes _____

No _____

- I. If your answer to IV.I is Yes, does your agency plan to use the EPA NIF V2.0 QA/QC tool?

Yes _____

No _____

V. BURDEN/COST

NOTE: The following questions request estimates of annual burden to perform activities associated with collecting and reporting HAP emissions data. If possible, please separate out the burden according to one-time (i.e., start-up) activities, and recurring activities. Please provide burden estimates in terms of labor hours or full-time equivalent staff (FTEs). FTEs may correspond to either agency or contractor staff. For the activity "Establish Data Reporting System," any capital or recurring costs associated with database purchase and maintenance should be specified as well.

Please fill out questions A through C below as they apply to your agency:

- A. **If your agency already develops emissions data for all 188 HAPs**, please use the following table to provide estimates of the annual burden for performing the listed activities.

	Collect and Compile HAP Data	QA/QC Inventory Data	Report Data to EPA	Establish Data Reporting System
One-Time				
Recurring				

- B. **If your agency is collecting data for less than the 188 HAPs as defined by EPA**, please use the following table to provide estimates of the annual burden for performing the listed activities (i.e., for the HAP data that you are currently collecting).

	Collect and Compile HAP Data	QA/QC Inventory Data	Report Data to EPA	Establish Data Reporting System
One-Time				
Recurring				

- C. **If your agency is collecting data for less than the 188 HAPs**, please use the following table to provide an estimate of the annual incremental, or additional, burden for performing the listed activities for the full 188 HAPs.

	Collect and Compile HAP Data	QA/QC Inventory Data	Report Data to EPA	Establish Data Reporting System
One-Time				
Recurring				

- D. Please list any changes in the level of effort that you expect to expend on HAP inventories within the next year.

VI. USES OF DATA

- A. How does/will your agency use the HAP information that is collected?
(select all that apply)

To implement a state/local toxics program
Trends tracking/emission reduction analyses
Determine fees based on emissions
Develop operating permits
Emissions trading
Establish baseline emissions
Freedom of Information Act responses
State/local modeling
Multi-state modeling
Risk assessment/characterization
Other: Explain

- B. Once the HAP emission inventory data that your agency collects is submitted to EPA, do you know how the information are to be used?

Yes
No

- C. How important is it to your organization to work with other agencies to establish multi-state HAP emission inventories? (select only one)

Very important
Important
Somewhat important
Not very important