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# THE CHIEF BULLETIN BOARD ONLY

NEWSLETTER

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— THE CLEARINGHOUSE FOR INVENTORIES AND EMISSION FACTORS —

EMISSION INVENTORY BRANCH  
TECHNICAL SUPPORT DIVISION (MD 14)

JUN 12 1992

OFFICE OF AIR QUALITY PLANNING AND STANDARDS ENVIRONMENTAL PROTECTION AGENCY  
U. S. ENVIRONMENTAL PROTECTION AGENCY, RESEARCH TRIANGLE PARK, NC 27711 LIBRARY, REGION V

Vol. III, No. 3

Whitmel M. Joyner, Editor

April 1992

## HAPPY BIRTHDAY TO THE CHIEF BULLETIN BOARD —

EIB's Electronic Bulletin Board is over a year old now and still growing. User activity keeps increasing, which we hope means that the BB is helping you do your job. About 500 people have registered to use *CHIEF*, making us a strong second among the nine BBs in the OAQPS Technology Transfer Network.

The number of user taps into the BB is averaging around 250 per week. So far, the most popular data base download is the Surface Impoundment Modeling System (SIMS). AFSEF and SPECIATE were close contenders.

We've made some improvements since the last Newsletter. Now, there's no daily limit on BB system use.

Your password is not case sensitive. And we've opened up more phone lines for access. AFSEF has been modified for use with 486 machines.

Remember all of the good things you can use and can download from *CHIEF* - All of the AP-42 stationary source volumes, SPECIATE and XATEF, MOBILE4.1C, the Surface Impoundment Modeling System (SIMS), previous numbers of this Newsletter, the AIRS Facility Subsystem Emission Factors (AFSEF), E-mail, and others. Draft AP-42 sections will be available to you as soon as they have undergone internal review. We encourage you to peruse these drafts and then give us

any comments or reactions you have. Keep in mind that they are still drafts at this stage and may be substantially changed before publication. E-mail your comments to EFMS through the *CHIEF* at (919) 541-5742 (300, 1200 or 2400 baud)/541-1447 (9600 baud).

To register for the *CHIEF BB*, you must give information to the system through a series of steps. The system operator (Sysop) will review the information to guard against unauthorized users. Full access to the system is usually granted by the next working day. For more information, contact Michael Hamlin here at EIB, phone (919) 541-5232. ☺

## FROM THE EFMS CHIEF'S CORNER:

### *Reflections – A Year In Review*

Since the last Newsletter, I've been thinking about the first anniversary of the *CHIEF BB* and some other milestones we've passed. Here are but a few of the things we've done in the past year or so:

Jan 91 - *CHIEF BB* activated;

Clearinghouse Newsletter assumes a quarterly schedule.

Feb 91 - David Mobley signs on as head of the EI Branch.

May 91 - Requirements of CAAA Section 130 met; Arch MacQueen retires at age 77, after over 21 years as the institutional memory

of emission factors.

Sep 91 - Emission Inventory Conference in Durham.

Oct 91 - *Supplement D* printed.

Nov 91 - Air *CHIEF* CD-ROM, new XATEF and SPECIATE released; Complete review of AP-42 initiated.

Dec 91 - AP-42 placed on the BB.

Jan 92 - Newsletter renamed *The CHIEF*.

Mar 92 - BB registrants reached 390; weekly sign-ons averaging close to 300.

*AP-42 Update Program* –

Because of temporary contracting problems, we've

experienced some small delays in the AP-42 "cover to cover" review and update efforts. It's too early to evaluate what, if any, effects the delays will have on the program. We'll keep you informed, and we're sticking to our schedule of getting *Supplement E* out around October. Remember, all AP-42 drafts and final sections will be put onto the *CHIEF BB* when ready, without waiting for the appearance of *Supplement E*.

*Future Technology Monitor* –

A couple of issues back, we mentioned that the Global Positioning System (GPS), which

was widely used in Operation Desert Storm, looked promising as a way for inventory personnel to determine or to verify emission source location coordinates in the field. The possibilities are exciting, and they are likely to get even better. According to the 2 March issue of *Federal Computer Week*, Trimble Navigation is marketing a GPS receiver hand unit that weighs only 14 oz., with batteries, and sells for about \$1195.

Sony has a similar unit for about \$1395. As the popularity of these things continues to grow, both weight and price plummet, and prices seem headed for the \$500-600 range, possibly to only around \$300. We are considering funding a test of GPS equipment to determine its applicability to emission inventory work. If any of our readers have experience with these items, please give us a call at the

Newsletter or send me a message via *CHIEF*.

These have been exciting and very busy times. We've met other goals, too, and we hope this sort of progress will continue. With an increased budget and a great staff - though strained and thinly spread at times - we'll try to keep it up. Send us a CHIEF message if you have any ideas on how we can meet your needs better.

- Jim Southerland

**1992 IS  
THE YEAR OF  
THE EMISSIONS INVENTORY!**

- FINAL EMISSION INVENTORIES FOR O<sub>3</sub>/CO NONATTAINMENT AREAS  
ARE DUE TO EPA BY 11/15/92.

- DRAFTS ARE DUE BY 05/01/92.

— NEWS FROM ENVIRONMENT CANADA —

The Pollution Data Analysis Division (PDAD) of Environment Canada is in the process of compiling the 1990 inventory, with the collaboration of its Regional Offices and the Provincial Ministries Of The Environment. The Division has undergone several changes over the past year and has acquired new people to compile a National Pollutant Release Inventory (NPRI), which will be similar to the U. S.'s Toxics Release Inventory (TRI). The new acting chief of the Pollution Data Analysis Division is Ron Solman, who had been with Environment Canada's Transportation Systems Division for eight years. PDAD's Frank Vena and Tony Kosteltz have taken assignments with, respectively, the Industrial Programs Branch and the Technology Development Branch of Environment Canada. Contacts within PDAD are:

Ron Solman, Acting Chief,  
phone (819) 953-1656, fax (819) 953-9542

<b>Subject</b>	<b>Contact</b>	<b>Telephone</b>
Air Toxics (NPRI)	Gordon Pope	(819) 953-1654
Common Air Pollutants	Marc Deslauriers	" 994-3069
Inventory Systems	François Lavallée	" 994-4073
Data Informatics	John Brydges	" 994-3129
Emission Forecasting	Libby Greenwood	" 953-1659
Greenhouse Gases	Art Jaques	" 994-3098
Ambient Air Quality Trends	Tom Furmanczyk	" 994-3128

Canada's second national *State Of Canada's Environment*, scheduled for release in Spring 1992, will be a comprehensive report, with 27 chapters totalling more than 700 pages, that examines environmental quality from several perspectives. The report sells for \$35.95 U. S., plus shipping and handling. For a brochure on this document, Canadians please contact Environment Canada Enquiry Centre, phone (819) 997-2800. From outside Canada, write International Specialized Book Services, 5602 NE Hassalo Street, Portland, OR 97213. To order the report, call 1-800-547-7734. Oregon residents call (503) 287-3093. Fax orders: (503) 284-8859.

## — EIB's Mexican Connection —

On March 30 and 31, Inventory Guidance And Evaluation Section Chief Marty Martinez met in Mexico City with representatives of the Mexican Government to provide technical assistance to them in compiling emission inventories for international greenhouse gases and general urban pollutants. The meetings took place during a workshop on these topics which was Mexico's first organized and sanctioned effort to deal with compiling emission inventory data and establishing a regulatory infrastructure in that country. Marty's trip was at the invitation of the Mexican Commission For Energy Conservation, and it was arranged by EPA's Office Of Program Planning And Evaluation. Mexico will be developing an initial greenhouse gas inventory over the next five months, and the Commission has expressed a need for continuing consultation with, and assistance from, U. S. experts in this effort and other environmental activities in that country.

Anyone wishing more information about this work or wanting to assist in it should contact Jaime Brash G., Subdirector for Analysis, at the National Commission For Energy Conservation in Mexico City, telephone 553-91-88, fax 553-90-20. Señor Brash's address at the Commission is Francisco Marquez, No. 160, 1er. Piso. Col. Condesa, Mexico 06140, D. F. ☞

## THE LOCATING AND ESTIMATING... SERIES ON TOXIC SUBSTANCES

### WORK IN PROGRESS —

Work assignments are progressing on developing *L&E* reports for a number of compounds. These reports will assist in locating possible sources of air toxics and then making preliminary estimates of the emissions produced by these sources. The reports describe processes, variations and release points within these sources, along with available emissions data and emission factor estimates that indicate the potential for air toxic compound release. An overview of procedures is also provided, for source sampling and analysis of emissions from these sources.

*L&Es* are currently under development for the following compounds, and they should be available for review in draft form this summer. Anyone interested in, or having information on, these subjects should contact the EIB Work Assignment Manager whose

name follows each topic.

— Dichloromethane and Methyl Isobutyl Ketone - Dallas Safriet, phone (919) 541-5371;

— Mercury Compounds, Cadmium Compounds, Cyanide Compounds and Chloroform - Anne Pope, phone (919) 541-5373; and

— Methyl Chloroform, Methyl Ethyl Ketone, Toluene and Xylene - Dennis Beauregard, phone (919) 541-5512.

In addition to these listed *L&E* documents, we have begun to investigate the feasibility of developing *L&Es* for 26 more compounds, compound categories and sources of compounds. If you are interested in, or have information on, sources or emissions of the following, please contact Dallas Safriet at EIB:

Acrolein  
Acrylamide  
Acrylic Acid  
Arsenic Compounds

Asbestos  
Benzidine  
Benzotrachloride  
Beryllium  
Bis (Chloromethyl) Ether  
Chlordane  
Chloromethyl Methyl Ether  
Chloroprene  
Coke Oven Emissions  
Dibenzofurans  
Dichloroethyl Ether [Bis (2-Chloro Ethyl) Ether]  
Ethylene Dibromide  
Heptachlor  
Methyl Isocyanate  
Hexachlorobenzene  
Methylene Diphenyl Diisocyanate  
Hydrazine  
2,4-Toluene Diisocyanate  
1,2-Propylenimine  
2,3,7,8-TCDD  
Vinyl Chloride  
1,1,2,2-Tetrachloroethane ☞

## AIR PROGRAMS/SUPERFUND COORDINATION

The Office Of Air Quality Planning And Standards (OAQPS) is responsible for developing and improving the techniques available for estimating air emissions at Superfund sites. The Emission Factor And Methodologies Section is specifically responsible for providing guidance on estimating "baseline" emissions from these sites. Emissions from site

remediation are the responsibility of OAQPS's Emission Standards Division (ESD), which investigates techniques to mitigate air emissions from site activity.

To facilitate the transfer of technical information among OAQPS and the Regional Offices, OAQPS convenes periodic meetings of personnel in the Air/Superfund Coordination Program,

the most recent this past February in Denver. Much of this meeting focused on selecting projects to be funded in FY-93. Projects selected for funding are intended (1) to assist personnel in the Superfund program when developing air pathway risk assessments for remediation alternatives and (2) to assist Air/Superfund Coordinators when they review Records Of Decision

developed by the Superfund Program which document the selection of remediation alternatives. The next Air/ Super-fund Coordination Meeting is tentatively

scheduled for early August in Kansas City.

Questions regarding "baseline" air emissions from Superfund sites should be directed to Dennis Beauguard at the Newsletter, phone

(919) 541-5512. Any questions on air emissions from remediation activities should be directed to Jim Durham of ESD, phone (919) 541-5672. ✉

— *THE PEOPLE TO SEE AT EIB* —

— *AP-42 MATTERS* —

<b>Chapter</b>	<b>Contact</b>	<b>Phone</b> {(919) 541- }
1. External Combustion	Joe McSorley	4796
2. Solid Waste Disposal	Ron Myers	5407
3. Internal Combustion	Michael Hamlin	5232
4. Evaporation Loss Sources	Ron Ryan	4330
5. Chemical Process Industry		
Organics	Dennis Beauguard	5512
Inorganics	Ron Myers	5407
6. Food and Agricultural Industry	Dallas Safriet	5371
7. Metallurgical Industry	Dennis Shipman	5477
8. Mineral Products Industry	Ron Myers	5407
9. Petroleum Industry	Ron Ryan	4330
10. Wood Products Industry	Dallas Safriet	5371
11. Miscellaneous Sources	Dennis Shipman	5477
Toxics	Anne Pope	5373
General	Jim Southerland	5523

— *EMISSION INVENTORY ASPECTS* —

1990 O <sub>3</sub> /CO SIP Inventory Status	Lee Gabele	5292
AIRS/AFS Emissions Data Quarterly Report	Lee Gabele	5292
AIRS Area and Mobile Subsystem (AMS)	Lee Gabele	5292
AIRS Facility Subsystem (AFS)	David Misenheimer	5473
Biogenic Inventories	Keith Baugues	5366
Emission Statements	Mary Ann Warner-Selph	1192
Mobile Sources	Mary Ann Warner-Selph	1192
Modeling-related Inventories	Keith Baugues	5366
PM-10/Lead	Bill Kuykendal	5372
Quality Assurance	Sharon Bruno	2825
Tracking Reasonable Further Progress	Mary Ann Warner-Selph	1192
SIP Air Management System (SAMS)	David Misenheimer	5473
Toxics Inventories	Anne Pope	5373
Emission Trends	David Mobley	4676
Other	Marty Martinez	5575

— *FOR REGION-SPECIFIC INVENTORY CONCERNS* —

Region I	— Mary Ann Warner-Selph	Region VI	— Marty Martinez
Region II	— Lee Gabele	Region VII	— Sharon Bruno
Region III	— Steve Bromberg	Regions VIII	
Region IV	— Bill Kuykendal	& IX	— David Misenheimer
Region V	— Keith Baugues	Region X	— Sharon Bruno

## THE AIR CHIEF CD-ROM — COMING SOON FROM GPO

EIB's newest emission estimating product, the *Air CHIEF* Compact Disk-Read Only Memory (CD-ROM), is now available after months of preparation. The *Air CHIEF* offers on one small disk the literally thousands of paper pages contained in some of EPA's most widely used and asked for documents. *Air CHIEF* contains:

- the entire contents of the AP-42 series,
- all of the *Locating And Estimating...* reports,
- the VOC/PM Speciation data base management system, SPECIATE, and
- the Crosswalk/Air Toxic Emission Factor data base system, XATEF.

*Air CHIEF* is a powerful data retrieval tool. It's designed to allow easy access and retrieval of emission

estimation data, by pollutant or source description, and it can be scanned and searched in fine detail. Information searches can be very broad or tightly focused. For example, coal combustion is mentioned in about 2000 "records", or places, on the disk. Asking specifically for arsenic from bituminous coal combustion in utility boilers will lead the user to 8 records. Also, all chemical elements and compounds mentioned on the CD that have Chemical Abstract Services numbers can be scanned and searched.

*Air CHIEF* and its user's manual will be updated annually, beginning in Spring 1992. Single copies of the beta version of the CD still can be obtained by writing Anne Pope at the

Newsletter. Shortly after the Spring '92 revision, *Air CHIEF* will be available through the Government Printing Office (GPO). GPO expects to vend the disk for about \$13.00, a noticeable economy over buying paper copies of it all (~\$900.00).

Users need an IBM<sup>(TM)</sup> compatible personal computer with EGA or VGA monitor, MS-DOS<sup>(TM)</sup> version 3.0 or later, 640 KB of free RAM, 2 MB expanded memory, a CD-ROM drive, interface card, and Microsoft DOS CD-ROM Extensions (MSCDEX). Users can help by sending any comments or suggestions regarding *Air CHIEF* to Anne, here at the Newsletter. ☞

### - - - A NEW SERVICE FROM THE CHIEF - - -

Beginning May 1, the Clearinghouse For Inventories And Emission Factors will activate a central telephone contact here at the Newsletter, called the *Info CHIEF*, to answer general questions and to direct your calls to the technical staff person who can best help you. If you already know whom you need to talk with here, please call her or him. But if your inquiry is very general in nature, or if you need further information, first try the *Info CHIEF* at (919) 541-5285. ☞

## NEW CTC PRODUCTS

The Control Technology Center has announced new documents and software dealing with several topics. Copies of these items are available by calling the **CTC Hotline**, (919) 541-0800, or writing them at CTC, MD 61, Research Triangle Park, NC 27711. They also have an electronic bulletin board available.

A report is now available on air quality concerns when burning scrap vehicle tires, either as waste products or as a refuse-derived fuel. The report summarizes and evaluates emission data, control devices, and expected effects on air quality. This activity involves electric utilities, cement manufacturers, pulp and paper manufacturers, and others. Operating problems, plant

modifications, advantages and cost benefits are discussed in this report, *Burning Tires For Fuel And Tire Pyrolysis: Air Implications*, EPA-450/3-91-024.

Also available now is the *Assessment Of VOC Emissions And Their Control From Baker's Yeast Manufacturing*, EPA-450/3-91-027, which has information on the large quantities of ethanol and acetaldehyde produced by the fermentation process. There are 13 such plants located in the U. S., and 10 are in Ozone Nonattainment Areas.

The CTC also is now offering *Landfill2 Air Emissions Model*, a modification of their PC program for assessing landfills. This version allows for calculations for up to 50 years after closing of a

site, based on a first-order decomposition equation. The software is available through the CTC BB. Call with any questions.

EPA's Center For Environmental Research Information (CERI) now has The 2d Edition of the HAP Manual, *Handbook: Control Technologies For Hazardous Air Pollutants*, EPA-625/6-91-014.

Accompanying this book is *HAP-PRO*, EPA-600/8-91-211a and b, the user's manual and software which supports the HAP manual. This program is significantly improved over that which supported the first edition. Government agencies can obtain these titles directly from the CTC. Others should order them from the CERI at (513) 569-7562. ☞

## Missing Sources Report Now Available

The report, *Identification And Characterization Of Missing Or Unaccounted For Area Source Categories*, EPA-600/R-92-006, has been published, and copies are now available. This document details the work done thus far on emission sources which are not now addressed by the current area source methodology used in either SIPs or AIRS. The book contains preliminary assessments of the importance of certain "missing" sources and of how their emissions may be included in an inventory.

All the source categories identified through the search phase of the project were evaluated, regardless of emissions potential, and they have been digested into a working list of 70 categories considered the most important. To facilitate the characterization process, and to assure consistency, a template was developed to be used in characterizing each category. The template defined the types of information to be collected on a source, in a common format:

- definition/description of category and activity

- process breakdown
- importance of the category
- pollutants emitted
- estimated pollutant levels
- point/area source component separation
- level of detail of available information
- level of detail required by users
- emission factor requirements
- regional, seasonal or temporal characteristics
- urban vs. rural characteristics
- potential emission estimation methodology.

Characterizing the 70 categories revealed a broad range of source types and information sources. Research indicates that, for developing emission estimation strategies, the sources may lack emission factors, current activity data, or both. In some cases, such as with backyard charcoal grilling, state agencies (e. g., California) have begun to consider including these sources in their inventories and have some research on them. Trade associations may have statistics, research and test data useful in describing these sources

and in developing source activity and emission factors. Most of these sources, however, lack a current emission estimation method adequate for either SIP or AIRS applications.

The document's characterizations are intended to provide 1) an initial overview of a process and its emissions, 2) an indication and/or summary of data available from standard reference material and contacts, 3) alternate method development strategies, and 4) a basis for ranking these source categories for methodology development. More research will be needed to provide a practical and workable methodology, which may involve data gathering and analysis, measurement, and other activity.

This report is available from the National Technical Information Center, 5285 Port Royal Road, Springfield, VA 22161. Its stock number is PB92-139377, price \$43.00. ☎

## — THE HUMAN FACTORS . . . MICHAEL HAMLIN —

This issue, we'd like to introduce the man who runs the CHIEF Bulletin Board and lots more here at the Emission Inventory Branch. Besides keeping things going on the BB, Michael Wayne Hamlin also coordinates the extensive source testing program we have underway. He oversees AP-42 Chapter 3, "Stationary Internal Combustion Sources", both the present material in the chapter and the revision work now being done on it.

Michael was born and reared in the town of Leaksville, NC, now called Eden, and is a product of the public schools there. After high school, he graduated from North Carolina A&T University in Greensboro with a major in Industrial Engineering. He then went to work with Union Carbide in



Asheboro as a Supervisor/Industrial Engineer, where he directed the production of metal parts for dry cell batteries. After a year and a half, he was offered a spot in a joint A&T/US Army Research program in Champagne, IL toward a master's degree in Robotics. He also completed Nuclear Engineering training with the Navy in Charleston, SC. In 1985, he

decided to join EPA here in the Research Triangle, first directing source tests and overseeing the wood stove certification program, then becoming an important part of the AP-42 team.

Michael is married and has a son, and the Hamlins live in Durham, NC, not far from the office. He gets a great deal of satisfaction from doing community work back in his home town, and he also tutors students at Holton Middle School in Durham. Michael has recruited for EPA at area colleges, and he enjoys basketball, working out and reading. You can get in touch with Michael at EIB by mail, by phoning (919) 541-5232, or through his favorite medium, Bulletin Board E-mail. ☎

## UPCOMING MEETINGS AND CONFERENCES

— Measurement Of Toxic And Related Air Pollutants, EPA/AWMA international symposium, 4-8 May, Durham, NC. Contact Marci Mazzei, AWMA, Box 2861, Pittsburgh, PA 15230, phone (412) 232-3444/FAX (412) 232-3450.

— Shaping Our Environmental Heritage, 85th annual AWMA convention, 21-26 June, Kansas City, MO. Contact Marci Mazzei, AWMA, Box 2861, Pittsburgh, PA 15230, phone (412) 232-3444/FAX (412) 232-3450.

— 9th World Clean Air Congress & Exhibition, AWMA/Environment Canada, 30 August-4 September, Montreal. Contact Marci Mazzei, AWMA, Box 2861, Pittsburgh, PA 15230, phone (412) 232-3444/FAX (412) 232-3450.

— Emission Inventory Issues And Progress, second annual EPA/AWMA specialty conference, 19-22 October, Durham, NC. Contact Larry Jones, Emissions Modeling Branch (MD 62), EPA/AEERL, Research Triangle, NC 27711, (919) 541-7716; or John O'Connor, Radian Corp, Box 13000, Research Triangle Park, NC 27709, phone (919) 541-9100.

### *NOTICE TO EIB TEE SHIRT FANS:*

YOUR INQUIRIES ARE BEING HELD WHILE WE GNASH AMONG THE REGS ON USING THE EPA SYMBOL, ETC. WHEN THE RED TAPE IS VANQUISHED, WE HOPE TO PUT THE TEES ON SALE, WITH ANY PROFITS TO GO TO THE EPA SCHOLARSHIP FUND.

THANKS FOR YOUR PATIENCE. ↵

## *HEADQUARTERS SIP INVENTORY CONTACTS*

*April 1992*

	<i>Contact</i>	<i>Telephone</i>
<i>— PM-10 —</i>		
OAQPS/EIB Clearinghouse		
Factors	Dennis Shipman	(919) 541-5477
Inventory Guidance	Bill Kuykendal	(919) 541-5372
OAQPS/AQMD	Robin Dunkins	(919) 541-5335
OAQPS/SSCD	Chris Oh	(703) 308-8732
<i>— O<sub>3</sub> / CO —</i>		
OAQPS/EIB Clearinghouse		
Factors	Dennis Shipman	(919) 541-5477
Inventory Guidance	David Misenheimer	(919) 541-5473
OAQPS/AQMD	Brock Nicholson	(919) 541-5517
OAQPS/SSCD	Vishnu Katari	(703) 308-8717
Office Of Mobile Sources	Mark Wolcott	(313) 668-4219
<i>— AIR TOXICS —</i>		
OAQPS/EIB Clearinghouse		
Factors	Anne Pope	(919) 541-5373
Inventory Guidance	Anne Pope	(919) 541-5373
<i>— LEAD —</i>		
OAQPS/EIB Clearinghouse		
Factors	Anne Pope	(919) 541-5373
Inventory Guidance	Bill Kuykendal	(919) 541-5372

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**INCLOSED WITH THIS NUMBER OF THE CHIEF IS A COMPLETE LIST OF  
CURRENTLY AVAILABLE EMISSION FACTOR AND INVENTORY GUIDANCE!**

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**⌘ TECH NOTES . . . .**

⌘ — **Surface Coal Mining** - Section 234 of the 1990 CAAA requires that emission factors and models applicable to surface coal mining activities be reviewed and revised, to assure that they don't overpredict emissions. EIB, with the Source Receptor Analysis Branch, is planning a multiyear program to meet the CAAA provision, and we will begin source testing this Summer of high priority surface coal mining operations. For more information, contact Dennis Shipman at the Newsletter, phone (919) 541-5477.

⌘ — **O<sub>3</sub>/CO Inventory Preparation Plan (IPP) Status** - Final IPPs for 43 States were due to the Regions on October 1, 1991. Draft versions of all 43 plans have been received, 34 have been submitted in final form, and 17 plans have been approved. EIB will continue to work with the Regions on their strategies for dealing with any problems. For more information, contact Lee Gabele at the Newsletter, phone (919) 541-5292.

⌘ — **Crushed Stone Processing** - EIB has begun source testing of tertiary crushers and screens to develop PM-10 factors for AP-42 Section 8.19.2. Two facilities have been tested, and the next test is scheduled for early summer. For more information, contact Dennis Shipman at the Newsletter, phone (919) 541-5477.

⌘ — **Federal Telecommunication System (FTS) Changes** - Effective **April 20**, present FTS numbers will die, and only their companion commercial numbers will remain. FTS users will first dial "8", then the 10-digit area code/exchange/individual's number. For one month, both systems will work, then for 2 months, the dreaded "generic voice" will break in to remind you of your lapse. The only exceptions to all of this involve Port Orchard, WA and Ada, OK. The best reason for leaving these nice places out, when sent to your *CHIEF* Editor, and as selected by him, will win you a *1992 - Year Of The Emission Inventory* tee shirt (FTS staff excluded). For more information on the change, FTS users should call 8-700-288-0000. The FTS Agency Locator is at 8-700-288-1212. ♪

*THE CHIEF NEWSLETTER is produced quarterly by the Emission Inventory Branch, Technical Support Division, of EPA's Office Of Air Quality Planning And Standards. Its purpose is to enhance communication within the emission factor and inventory community by providing new and useful information and by allowing for the exchange of information between and among its readers. Comments on the Newsletter and articles for inclusion in it are welcome and should be directed to Whitmel M. Joyner, Editor, Emission Inventory Branch (MD 14), US EPA, Research Triangle Park, NC 27711; commercial phone (919) 541-5493.*

*The contents of THE CHIEF NEWSLETTER do not necessarily reflect the views and policies of the Agency, neither does the mention of trade names or commercial products constitute endorsement or recommendation for use. ♪ ♪ ♪ ♪ ♪*



# REGIONAL OFFICE SIP INVENTORY CONTACTS

April 1992

	<i>Contact</i>	<i>Telephone</i>
<i>— PM-10 —</i>		
Region I	Ian Cohen	(617) 565-3229
II	Stan Stephenson	(212) 264-4926
III	Tom Casey	(215) 597-2746
IV	Leslie Cox	(404) 347-2864
V	John Summerhays	(312) 886-6067
VI	John Behnam	(214) 655-7214
VII	Lisa Haugen	(913) 551-7877
VIII	Mindy Mohr	(303) 293-7539
IX	Barbara Bates	(415) 744-1239
X	George Lauderdale	(206) 553-6511
<i>— O<sub>3</sub> / CO —</i>		
I	Robert Judge	(617) 565-3248
II	Paul Truchan	(212) 264-2517
III	Raymond Forde	(215) 597-8239
IV	Yasmin Yorker	(404) 347-2864
V	Ed Doty	(312) 886-6057
VI	Quang Nguyen	(214) 655-7214
VII	Larry Hacker	(913) 551-7602
VIII	Mindy Mohr	(303) 293-7539
IX	Sam Farrel/Morris Goldberg	(415) 744-1233/1197
X	Mike Lidgard	(206) 553-4233
<i>— AIR TOXICS —</i>		
I	Janet Beloin	(617) 565-2734
II	Carol Bellizzi/Ken Eng	(212) 264-2517/9627
III	Iz Milner	(215) 597-9090
IV	Van Shrieves	(404) 347-2864
V	Bruce Varner	(312) 886-6793
VI	Tom Driscoll	(214) 655-7223
VII	Wayne Kaiser	(913) 551-7603
VIII	Mindy Mohr	(303) 293-7539
IX	Ken Bigos	(415) 744-1240
X	Chris Hall	(206) 553-1949
<i>— LEAD —</i>		
I	Tom Wholley	(617) 565-3233
II	Stan Stephenson	(212) 264-4926
III	Joe Kunz	(215) 597-8486
IV	Liz Wilde	(404) 347-2864
V	Gus Felix	(312) 886-6009
VI	Guy Donaldson	(214) 655-7214
VII	Stan Walker	(913) 551-7494
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