EPA-456/F-95-004

OAQPS TTN

Office of Air Quality Planning & Standards

Technology Transfer Network

U.S. Environmental Protection Agency
Research Triangle Park, NC 6/95

What is OAQPS TTN?

OAQPS, the EPA Office of Air Quality Planning and Standards, provides information and technical support on air pollution control. Its four divisions provide services to EPA regional offices, state and local agencies, consultants, industry, and the general public. These services include clearinghouses, conferences, reports, manuals, newsletters, support centers, workshops, classroom training, self-instructional courses, and TTN.

TTN, Technology Transfer Network, is a network of electronic bulletin boards developed and operated by OAQPS. The network provides information and technology exchange in different areas of air pollution control, ranging from emission test methods to regulatory air pollution models. The service is free, except for the cost of using the phone.

How does it work?

You access the network from your own computer through the use of a modem and communications software. Your computer connects with a computer at EPA through the phone lines. Once you're on the network, you've got all the tools, technology, and information in any of the bulletin boards available at your fingertips. You can find tools to estimate air pollutant emissions, download computer code for regulatory air models, read a Title summary of the 1990 Clean Air Act, find a course offered by the Air Pollution Training Institute, or request technical support in implementing an air pollution control program. You can transfer files, communicate with other users, leave a question for others to answer, or upload a file for others to use.

Who can use it?

Anyone in the world wanting to exchange information about air pollution, including personnel in state and local agencies, the private sector, EPA, and foreign countries.

What's on the network?

Eighteen bulletin boards are currently available

EMTIC - Emission Measurement Technical Information Center provides access to emission test methods and testing information for the development and enforcement of national, state, and local emission prevention and control programs.

AMTIC - Ambient Monitoring Technology Information Center provides information and all Federal Regulations pertaining to ambient monitoring. Information on monitoring methodology, field and laboratory studies are also included.

AIRS - Aerometric Information Retrieval Systems provides information and documentation on the use and acquisition of air quality and emissions data from the AIRS mainframe computer systems.

BLIS - RACT/BACT/LAER Information Systems is a compilation of air permits from local, state, and regional air pollution control agencies.

NATICH - National Air Toxics Information Clearinghouse contains information submitted by EPA, state, and local agencies regarding their air toxics programs to facilitate the exchange of information among government agencies.

COMPLI - Stationary Source Compliance provides stationary source and asbestos compliance policy and guidance information.

NSR - New Source Review offers guidance and technical information within the NSR permitting community.

SCRAM - Support Center for Regulatory Air Models provides regulatory air quality model computer code, meteorological data, documentation, as well as modeling guidance.

CHIEF - Clearinghouse for Inventories/Emission Factors contains the latest information on air emission inventories and emission factors. It provides access to tools for estimating emissions of air pollutants and performing air emission inventories for both criteria and toxic pollutants.

planned on the network.

CAAA - Clean Air Act Amendments has information on the Clean Air Act amendments of 1990, regulatory requirements, implementation programs, criteria pollutants, and technical analyses.

APTI - Air Pollution Training Institute describes current course offerings on air pollution, including curriculum, schedules, locations, costs, and up-to-date changes.

CTC - Control Technology Center offers free engineering assistance, a hotline, and technical guidance to state and local air pollution control agencies in implementing air pollution control programs.

USC - User Support Center provides support for users by offering information on modems, downloading, communication software and other communications issues. Also, provides public message area for users to share information related to the use of the TTN.

ORIA - Office of Radiation and Indoor Air disseminates information to state and local governments, industry, professional groups and citizens to promote actions to reduce exposure to harmful levels of radiation and indoor air pollutants.

USCAN - US/Canada Air Quality Agreement provides for the exchange of permitting information between the states along the border between the United States and Canada.

OMS - Office of Mobile Sources provides information pertaining to mobile source emissions, including regulations, test results, models and guidance.

AIRISC - Air RISC provides technical assistance and information primarily to state and local air pollution control agencies in areas of health, risk and exposure assessment for toxic and criteria pollutants.

SBAP - Small Business Assistance Program provides support to state and local small business assistance programs by serving as a communications network to share materials as well as new federal rules that have been developed related to small business issues.

PAGE NOT

AVAILABLE

DIGITALLY

Email

Use Email to send a message to other users. They will receive it the next time they enter the network. Search the User Registry first, if necessary, to see if someone is registered or to verify the spelling of a name.

1 Select **Email** from the Top Menu or one of the main menus.
2 Type **L** to send mail.
3 Respond to the prompts:
To: [Type the full name.]
Subject: [Enter a topic heading.]
Submit Prepared Msg Text(Y/N)? [Type **N** to enter your message directly on the screen; type **Y** if your message is stored as an ASCII text file.] **Use Full Screen Editor(Y/N)?** [Type **Y** or **N**.]
4 After you enter your message, select an option below by typing the appropriate letter.

<L> to see your message line by line.
<V> to view your message as it looks to the receiver.
<E> to see a menu of editing options.
<R> to receive a note that the message was received.
<F> to include a file with the message (see below).
<Q> to quit without sending a message.
<S> to send the message.
<H> to receive help.

To include a file with your message:

Select **F** to enclose a file and respond to the prompts. **Enclose a file with this message(Y/N)?** [Type **Y**.] **Enter 1-12 char. full file name:** [Assign a new file name and extension to the file or use its existing name, for example, **MYUPLOAD.TXT**.] **Select from the following transfer protocols:** [Select a protocol from the list, for example, **X** for XMODEM.] **File open, ready to receive (CTRL-X to abort).** What you do here varies according to your communications software. If you have PROCOMM for DOS software, press PAGEUP, select the protocol you selected earlier (in this example, **X** for XMODEM), and enter the path and file name—for example, **C:\HOME\NEWSTUFF.TXT**.

If you have CROSSTALK for DOS software, press the HOME key, then enter **XX** instead of pressing PAGEUP. When the transfer is complete, you can continue the message, send it, or quit without sending it.

To receive messages

When you enter the network, you are notified of any personal messages you have. You can view the messages now or later. To view them later, select **Email** from a menu and select **<R> Read Mail.**

Transferring Files

To download a file

1 From the TTN Technical Areas Menu, select a BBS--for example, **<E>CAAA**.
2 Select the category from which you want to download--for example, **<J> General Information**.
3 Once you see a list of files, note the name of the file you want to download. For long file lists, enter <S> to stop, which calls up a prompt line.
4 From the prompt line, type **D** for download, then select a protocol. Make certain it is one your communications software supports. For example, type **X** for **XMODEM**. If you don't know which protocol to select, look in your communications software documentation. The protocol you choose is used for all files you download for the remainder of your call, unless you change it with the **P** command. (To skip this step, see hint below.)
5 Next type the name of the file you want to download--for example, **DIR94.WPF** and press the enter key.
6 At this point you have set up the TTN to send the file. It then prompts **"Awaiting Start Signal"** for you to activate your system to receive the file. For example, if you have PROCOMM for DOS, press the PAGEDOWN key to see the **PROCOMM** protocol menu, select the protocol (in this example, **X** for **XMODEM**), and enter the path and name of the file you want to create on your computer--for example, **C:\TTNFILES\DIR94.WPF**. If you have CROSSTALK for DOS, press the HOME key, enter **RX** for the **XMODEM** protocol, and enter the path and file name of the new file.
7 Windows users will activate using a mouse, usually selecting "Transfers", then "Receive Binary File", name the file and click on OK. There may be slight variations between different Windows programs, or DOS systems. The TTN does not currently support **FTP** file transfers, however, if you **TELNET** to the TTN via the **Internet** you can download, but you must have a **KERMIT** interface for your particular system and know how to activate a download once you have chosen **KERMIT** from the TTN protocol menu. Check with your **Internet** provider for a **KERMIT** interface for your system.

Note: **If you have communications software that supports the ZMODEM protocol, the download is automatically started if you choose ZMODEM from the TTN protocol menu and enter a file name. No other entries are required.**

Hint: To assign a default protocol to be used every time you download a file. Select **<C>hange Terminal Config** from the System Utilities Menu. Select **D - Set File Download Protocol**. Then choose a default protocol. Then, whenever you download a file, simply enter the file name, such as **DIR94.WPF**. You do not have to specify the P command first, except to change the default.

To decompress files

Files with the file name extension ZIP are compressed (archived) to save space and time when downloading. These files must be decompressed (unarchived) after downloading before they can be used.

1 Select **<1> System Utilities** from the Top Menu.
2 Select **<A>rchivers/Dearchivers** from the System Utilities Menu.
3 Download PKUNZIP.EXE. Do this only one time for all files you need to decompress.
4 Download any ZIP file you want to decompress from any of the BBSs.
5 When you exit the network and return to DOS, create a new directory and copy the downloaded files to it. In this way, files you decompress are not mixed in with your other files.
6 Use the PKUNZIP program to decompress any of the ZIP files you downloaded, for example, **PKUNZIP CALINE3.ZIP** Be sure PKUNZIP.EXE is in the same directory with your ZIP files.

To upload a file

On some BBSs, you can upload a file for general use. Enter the appropriate area and follow the instructions provided. The procedure is similar to downloading a file, except for minor differences. For example, when using PROCOMM for DOS, press PAGEUP to upload a file (instead of PAGEDOWN) to download. In CROSSTALK for DOS, press the Home key and type **XX** (instead of RX).

For additional help and directions, select **<U> USER SUPPORT/HELP** from the TTN Top menu.

How do I access it?

Set up your computer, call the network, and register on-line. Then you're free to use the network whenever you need to. Follow the steps below.

STEP 1 Install a modem and communications software on your computer, if you don't already have them. There are a wide variety to choose from.

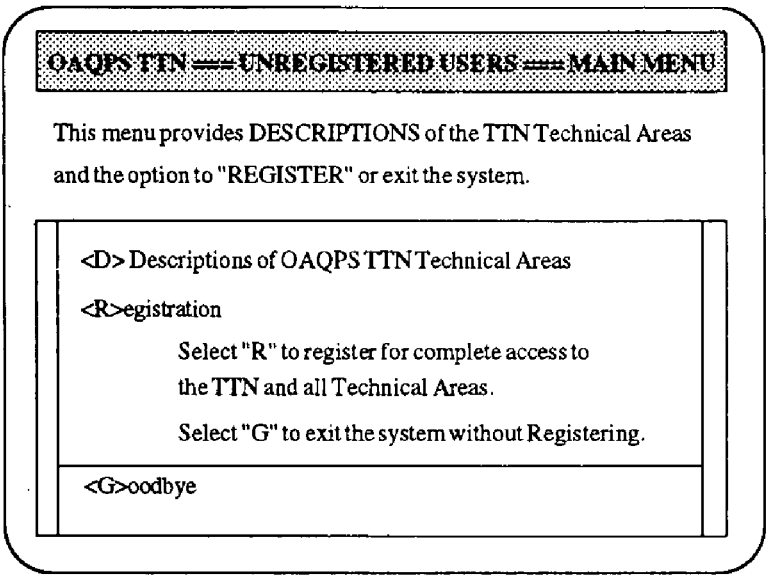
STEP 2 Set the following parameters on your communications software:

Data Bits: **8**
Parity: **N**
Stop Bits: **1**
Terminal Emulation: **VT100 or VT/ANSI**
Duplex: **FULL**

STEP 3 Call the TTN using your communications software:

(919) 541-5742 for modems up to 14,400 bps

STEP 4 Log on to the system and select <R> from the Unregistered Users main menu and answer the questions on the screen.



After this information is accepted, you will see the TTN top menu. From here you can access any of the bulletin board systems. Select <T> Gateway to TTN Technical Areas.

Why use it?

It's easy! You log on, answer questions, and select menu options. ***It's useful!*** You'll discover all kinds of information and tools that you can use in your job. ***It saves time! It saves money! It saves paper! It saves headaches!*** Say goodbye to phone tag. Leave and receive messages anytime the network is up. Exchange information over long distances and at high speed without waiting for the mail to arrive. ***It's world-wide!*** You can communicate with people all over the world—people you know and people you don't know who are involved in air pollution control. ***It's always available! It's got it all!*** Eighteen different bulletin boards are up and running; more are on the way. ***It's readily accessible!*** Access the latest information whenever you need it.

(919) 541-5742

for modems up to 14,400 bps

INTERNET ACCESS

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WWW: http://ttnwww.rtpnc.epa.gov
FTP:  ftp://ttnftp.rtpnc.epa.gov
TELNET: telnet ttnbbs.rtpnc.epa.gov
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When can I use it?

24 hours a day, 7 days a week except Monday morning 8-12 EST, when the system is down for maintenance and backup.

Who do I call?

If you need help accessing the system, call the help desk at (919) 541-5384 in Research Triangle Park, North Carolina during business hours, 11-5 EST.

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