PESTICIDE INFORMATION NETWORK

PESTICIDE MONITORING PROGRAM SECTION
PIN USER SUPPORT STAFF
EPA\OPP\EFED\EFGWB
703-305-7499
H7507C

ADDENDUM

Thank you for your interest in the Pesticide Information Network (PIN). Please note that some of the communications and access information listed in this manual has changed. The new information is:

PIN User Support Staff	-	703-305-7499 FTS 8-305-7499
PIN Access	-	703-305-5919 FTS 8-305-5919
RUP dataset	-	703-305-5179 FTS 8-305-5179
Baud Rate:		1200 or 2400

The PIN will evolve into a multi-access system containing additional pesticide information in mid-1992. The operation of the enhanced PIN will be much different than the current version, providing improved accessibility, and a larger information base.

Data sets available through the enhanced PIN will be:

- The Pesticide Monitoring Inventory (PMI) data set
  - including the Pesticides in Groundwater (PGW) data set;
- The Regulatory Information (REG) data set;
  - including the Restricted Use Products information,
  - and Canceled & Suspended Pesticides information,
- The Environmental Fate and Effects (EFE) data set;
- The Pesticide Applicator Training (PAT) data set;

User services provided by the PIN will include:

- The PIN System User Guide,
- The PIN Contacts Directory,
- State & County FIPS Codes,
- The listing of EPA Product Managers,
- The Restricted Use Products Report.

Introduction

As directed under Section 20 (b) and (c) of the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), EPA is required to monitor the environment for pesticide residues. In addition, the Agency developed a National Monitoring Strategy which coordinates monitoring activities performed by all EPA program offices. The Office of Pesticide Programs' (OPP) response to both of these needs took the form of the National Pesticides Monitoring Plan (NPMP) which was completed in July of 1985.

The primary goal of the NPMP is to provide information on exposure and effects to enhance the accuracy of pesticide risk assessments and thereby improve the soundness of FIFRA risk/benefit regulatory decisions.

In April of 1988 the PESTICIDE MONITORING INVENTORY (PMI), as part of the NPMP, was made available to the public. The database was named after its primary information file, the Pesticide Monitoring Inventory. In November of 1989, with the addition of the Restricted Use Products file, the database was renamed the PESTICIDE INFORMATION NETWORK (PIN).

The PESTICIDE INFORMATION NETWORK is an interactive database of pesticide information operated by the Pesticide Monitoring Program Section within the Office of Pesticide Programs. The PIN is available 24 hours a day, 7 days a week. There is no fee to use the system, except for telephone charges incurred by the user. The PIN can be accessed by any personal computer with a modem or modem access. It operates similar to a PC-to-PC bulletin board, and any information retrieved from the system may be downloaded to the user's computer. User support for the PIN is available Monday thru Friday form 7:00 A.M. to 4:00 P.M. EST.

The PIN runs on an Epson Equity III+ "AT" type computer. It is composed of two software packages interfaced together. The database manager is Revelation by Cosmos and the bulletin board software is ASCOM IV by Dynamic. An application was written in ASCOM IV that serves as the user interface. The user creates a search sentence by selecting English words or phrases from a series of menus. Therefore, knowledge of programming languages by the user in not necessary. ASCOM IV translates the sentence into Revelation syntax, opens the database manager, and feeds the sentence. Revelation performs the search and creates an ASCII file containing the appropriate records. The user is then permitted to download and capture the ASCII file which can then be imported into a wordprocessing software to be printed if necessary.

Your personal name is your password. As detailed above, the PIN is completely menu driven, with help screens available thru each menu. The menus allow the user to search a file based on the specific criteria he has chosen. Instruction manuals can also be downloaded, which explain each file in greater detail. The mailbox feature in the PIN, displays users of the system, allows users to communicate via the electronic mail, and provides access to public information notices.

Currently the PIN contains three information files:

1) The Pesticide Monitoring Inventory (PMI) is a compilation of monitoring projects performed by Federal Agencies, state and local governments, and private institutions. The information provided by the PMI includes the name of the project, the project officer's name, address and telephone number, the chemicals being monitored, the substrates in which they were monitored, sample locations, and an abstract of the project. It does not contain any hard data, but provides a contact to obtain this information. The PMI may be searched by country, U.S. state, EPA region, chemical name, CAS number, chemical class, chemical category, substrate, and revision date of the record.

2) The Restricted Use Products File (RUP) is a listing of all U.S. pesticide products that have been classified as Restricted Use Pesticides under 40 CFR Part 152, Subpart I. This file is updated on the first day of each month. The RUP may be searched by chemical name, CAS number, EPA registration number and revision date of the record. Along with the above information, for each chemical, the criteria influencing restriction, EPA actions taken on the chemical, chemical formulation, use information and the Product Manager (PM) Number, is also included.

The Product Manager is the individual responsible for coordinationg the activity occuring on chemicals involved in the registration and reregistration process. The Product Manager File provides a cross-reference of the PM Number and the name, address and telephne number of the Product Manager. The option to download this file is available from the first menu within the RUP section of the PIN.

3) The Chemical Index is a cross-reference for the above two files. The Index identifies the chemical name recognized by the database. It also provides the chemical's synonym names, chemical class, category and CAS number, and indicates in which file information concerning this chemical is found. The Chemical Index provides information only on chemicals contained in the PIN.

The philosophy behind the Pesticide Monitoring Inventory portion of the PIN, is to provide a network by which all those involved with regulating, manufacturing, or using pesticides may communicate and share monitoring information. As the PMI expands, it will allow the user community to tap a broad base of information that will enhance their own monitoring programs, eliminate duplicative efforts, and encourage the development of cooperative, cost-effective programs.

In addition to assisting the general user community, the PMI will provide EPA with information that will aid in the evaluation of the effectiveness of regulatory actions, illustrate the environmental results of regulatory actions, and identify unanticipated, emerging health and environmental problems.

The growth and ultimate value of the PMI largely depends upon users who provide monitoring projects for inclusion into the database. To add your project to the PMI, contact the PIN User Support Staff at (703) 557-7499 to obtain a 'Pesticide Monitoring Inventory Project Form'.

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Section I

CHEMICAL INDEX
INSTRUCTION MANUAL
(Version 11/89)

The Chemical Index is a cross-reference of the chemical names, CAS Numbers, file location, synonyms, classes and categories used in the Pesticide Information Network (PIN). Consulting the Chemical Index as a first step upon entering the PIN, will provide a quick check as to the presence and file location of a chemical in the system. It will also provide the chemical name under which the database must be searched.

In the RUP File the Chemical Index identifies the active ingredient, and its CAS Number, for products that have restricted uses. This name or number must be used in searching the RUP File by chemical name or CAS Number.

In the PMI, to simplify searching for a chemical, a single name and class is designated to identify a chemical and its synonyms. Breakdown products and metabolites are identified as the parent compound. Some common names for groups of chemicals are designated as the PMI Chemical Name. For example, individual Arochlors are not defined in the database, the PMI Chemical Name is PCB.

Once you have accessed the Chemical Index option from the PIN Main Menu, the following menus will appear.

Menu Number 1

```
+*****Chemical Index Options****+
* A. Search by chemical name    *
* B. Search by CAS number       *
* C. List th- chemical classes  *
* D. Get help with this menu    *
* X. Exit to the PIN Main Menu  *
+*********************************+
```

Please enter a letter from A to D or X (<ENTER> is not needed)

This menu allows you to choose any of the options available in the Chemical Index. Depending on your selection, the following menus will appear. (Chemical names may not exceed 40 characters.)

Menu Number 2a.

```
+*****************************************************************+
* Please note that the chemical index is searched for an exact *
* match, therefore the chemical for which the search is to be  *
* performed must be entered correctly.                          *
*                                                               *
* Please enter the chemical name to be searched at the prompt  *
* below or EXIT to return to the Chemical Index Options Menu.  *
+*****************************************************************+
```

Chemical Name :GUTHION

Please wait a few minutes while the database is accessed...

Menu Number 2b.

```
*************************************************************
*                                                           *
* Please note that the database is searched for an exact    *
* match, therefore the CAS number for which the search is   *
* to be performed must by entered correctly. Please         *
* include the '-'. eg. (107-02-8)                           *
*                                                           *
* Please enter the CAS number to be searched at the         *
* prompt below or EXIT to return to the Options Menu.       *
*                                                           *
*************************************************************
```

CAS number : 86-50-0

Searching...

Once the search is completed and a match is found the following screen will be displayed.

```
*********************************************************************
CURRENT DATE                    : 09/26/89
PRIMARY CHEMICAL NAME           : AZINPHOS-METHYL
CAS NUMBER                      : 86-50-0

CHEMICAL SYNONYMS               : GUTHION
                                : BAY 17147
                                : DBD
                                : METILTRIAZOTION
                                : O,O-DIMETHYL-S-[(4-OXY-1,2,3-
                                    BENZOTRIAZIN-3(4H)-YL)METHYL]
                                    PHOSPHORODITHIOATE

CHEMICAL CATEGORY               : INSECTICIDE

CHEMICAL CLASS                  : ORGANOPHOSPHATE
FILES                           : PMI, RUP
*********************************************************************
Press any key to continue.
```

If no match is found, the following message appears.

```
*************************************************************************
CURRENT DATE                        : 09/28/89

CHEMICAL NAME INPUT FOR SEARCH : TEST

THIS CHEMICAL IS NOT IN THE PMI CHEMICAL INDEX, PLEASE TRY ANOTHER.

*************************************************************************

Press any key to continue.


Menu Number 3
+*****Chemical Index Options****+
* A. Search by chemical name    *
* B. Search by CAS number       *
* C. List the chemical classes  *
* D. Get help with this menu    *
* X. Exit to the PIN Main Menu  *
+*********************************+

Please enter a letter from A to D or X (<ENTER> is not needed)
```

From this point you may elect to search the Chemical Index again for another chemical, or return to the PIN Main Menu to enter the Mailbox, PMI, RUP, or exit the system.

Section II

PESTICIDE MONITORING INVENTORY
INSTRUCTION MANUAL
(Version 11-89)

```
*************************************************************************
*                    US ENVIRONMENTAL PROTECTION AGENCY                 *
*                       OFFICE OF PESTICIDE PROGRAMS                    *
*                                WELCOME TO                             *
*                     THE PESTICIDE INFORMATION NETWORK                 *
*                                                                       *
*  The Pesticide Information Network (PIN) is a collection of files each *
*  containing up-to-date pesticide information.  Currently, PIN has three *
*  files.  We hope to add more types of information in the future.  If  *
*  you have any comments or suggestions, please let us know.            *
*                                                                       *
*  FILES:                                                               *
*  THE PESTICIDE MONITORING INVENTORY (PMI):  A compilation of pesticide *
*  monitoring projects performed by Federal, State and local governments *
*  and private institutions.                                            *
*                                                                       *
*  THE RESTRICTED USE PRODUCTS FILE (RUP):  A list of restricted        *
*  pesticides, associated products and the reasons for restriction.     *
*                                                                       *
*  THE CHEMICAL INDEX:  A cross referenced list of all chemical names,  *
*  synonyms and CAS numbers contained in the above two files.           *
*************************************************************************

Press any character to continue....
```

The Pesticide Information Network (PIN) is operational 24 hours per day, 7 days a week. User support is available from 7:30 AM to 4:30 PM EST, Monday through Friday. Messages during non-business hours can be left at 703-557-7499. The User Support Staff is as follows:

Constance A. Hoheisel 703-557-7455
Leslie Davies-Hilliard 703-557-7499

Computer Settings

PHONE:	703-557-1919
BAUD RATE:	1200
DATABITS:	7
STOP:	1
PARITY:	EVEN
DUPLEX	FULL

```
*************************************************************************
*                      US ENVIRONMENTAL PROTECTION AGENCY
*                         OFFICE OF PESTICIDE PROGRAMS
*
*  NEWS!!  NEWS!!  NEWS!!  NEWS!!  NEWS!!  NEWS!!  NEWS!!  NEWS!!      *
*                                                                       *
*                                                                       *
*                                                                       *
*                                                                       *
*                                                                       *
*  PROBLEMS OR SUGGESTIONS? ==> CALL USER SUPPORT  703-557-7499         *
*                                                                       *
*  Watch this screen for other news alerts and items of interest.       *
*************************************************************************
Press any character to continue....
```

This screen will contain important news alerts concerning activities involving the PIN, the PESTICIDE MONITORING INVENTORY (PMI), and the RESTRICTED USE PRODUCTS (RUP). For example EPA may send an alert requesting special monitoring information for a specific chemical, or a new Restricted Use Product may be announced.

The first thing you will be asked to do in order to access the system is enter your name as:

Last name:
First name:
Middle name or initial:

Type in ALL CAPITAL LETTERS. This is your 'password.' A mailbox is also created for you at this time. You must enter your name the same way each time that you access the PIN. When entering your name for the first time, you will be asked to provide a mailing address. Please be complete and accurate so that we will be able to mail you information about the system. In the future, whenever you log on, the computer will search the user file for your name, list the address that you provided and ask you if it is correct.

If you are a new user and there is another person in the user file with a name identical to yours, log off the system and redial to start over. Log on again with a modified version of your name. For example, if your name is Robert, try logging on with the name Bob.

After the log on procedure is completed, the PIN Main Menu will scroll onto your screen.

PESTICIDE INFORMATION NETWORK

```
+***************** Main Menu *****************+
*                                             *
*  <A>  Instruction Manuals                   *
*                                             *
*  <B>  Search the Chemical Index/View the    *
*       Chemical Classes                      *
*                                             *
*  <C>  Search the PMI File                   *
*                                             *
*  <D>  Search the RUP File                   *
*                                             *
*  <E>  Use the Mailroom.                     *
*                                             *
*  <F>  Send the System Operator a Message.   *
*                                             *
*  <X>  Exit the system.                      *
+*********************************************+
```

Please enter a letter from A to G or X (<ENTER> is not needed)

SEND THE SYSTEM OPERATOR A MESSAGE
OPTION <F>

This option allows the user to send a message to the System Operator. Any changes in address must be sent via this option.

USE THE MAILROOM
OPTION <E>

Upon entering the Mailroom, the computer searches for your mailbox. A message will appear above the mailroom menu if you have mail. The Mailroom options provided in the Mailroom Menu are:

<A> Read your Mail - allows 10 messages to be stored in the user's personal mailbox.

<B> Read public notices - contains information concerning the RUP and PMI.
<C> Send a letter (public or private) - using private, messages can be sent to individual users in the system.

<D> Delete messages - deletes mail in the user's personal mailbox.

<E> Display users on the system - displays all PIN users by name and association.

<X> Exit to the PIN Main Menu

SEARCH THE CHEMICAL INDEX
OPTION <B>

The CHEMICAL INDEX is a cross-referenced list of all the chemicals, their synonyms, classes, and Cas Numbers contained in the PIN. The Index also identifies in which file the chemical may be found. For simplicity of use, each chemical in the PIN is identified by a designated name, usually the ANSI name. When in doubt as to the correct chemical name to use, or for a quick search to check if information on a specific chemical is in the system, use the CHEMICAL INDEX. The Index is completely menu driven, however there is also a brief Instruction Manual that can be downloaded.

SEARCH THE RUP FILE
OPTION D.

The Restricted Use Products File (RUP) is a current listing of all pesticide products that have been classified as Restricted Use Pesticides under 40 CFR Part 152, Subpart I. The file contains the EPA chemical code number, active ingredient name, EPA registration number and product name, Product Manager number, criteria for classification, formulations and uses restricted, and the EPA actions that lead to the classification. The RUP File will be updated on the first day of each month.

The RUP Instruction Manual can be downloaded from the PIN Main Menu.

SEARCH THE PMI FILE
OPTION <C>

```
*************************************************************************
*                    US ENVIRONMENTAL PROTECTION AGENCY                 *
*                      OFFICE OF PESTICIDE PROGRAMS                     *
*                     PESTICIDE MONITORING INVENTORY                    *
*                                                                       *
*  The Pesticide Monitoring Inventory (PMI) is a compilation of         *
*  monitoring projects being performed by Federal, State and local     *
*  governments and private institutions. This file contains a short     *
*  synopsis of each project, including chemicals, substrates and        *
*  location. It will also list the name, address, and phone number      *
*  of a person to contact to gain additional information on a           *
*  specific project. The PMI is a free service offered by the Office*
*  of Pesticide Programs intended to provide a network by which all     *
*  interested parties may communicate and share monitoring              *
*  information with each other.                                         *
*                                                                       *
*  If you have questions concerning the information in this file        *
*  contact the project officer directly or User Support at              *
*  703-557-7499.                                                        *
*************************************************************************
```

Press any character to continue...

I. PRIMARY MENUS

Menu Number 1.

```
+****************** PMI File Options Menu ****************+
*  A. Search the Pesticide Monitoring Inventory          *
*  X. Exit to the PIN Main Menu                          *
+*************************************************************+
```

Please enter a letter from A or X (<ENTER> is not needed)

To retrieve information about monitoring projects from the PMI database, you will construct a 'natural language' sentence using the menus that follow. You may construct up to a four search conditions, however your search sentence may not exceed 255 characters in length. (Usually most four condition search sentences do not exceed the length limitation.) If you have difficulty deciding which words to select in any of the menus, select the help option. You may return to a previous menu and change your search sentence at any time by selecting the''Exit to previous menu' option. As you practice with this system, you will find that you can build very sophisticated, customized search statements quickly and easily.

Menu Number 2.

```
+******* Selection Criteria *******+
*  A. Include                      *
*  B. Exclude                      *
*  C. Get Help with this menu      *
*  X. Exit to the PMI Options      *
*     Menu or Linking Conditions   *
+***********************************+
```

Please enter a letter from A to C or X at the prompt below

The first menu offers you a choice of two verbs to begin your sentence. The verbs allow you to INCLUDE or EXCLUDE monitoring projects that meet the conditions which you will define using the menus that follow.

For example, you may choose to EXCLUDE all projects located in MD or INCLUDE all projects that contain the chemical name 'METHYL BROMIDE.'

```
Menu Number 3.
+******** Major Categories ********+
*  A. Chemical                      *
*  B. CAS Number  (include dashes)  *
*  C. Chemical Class                *
*  D. Chemical Category             *
*  E. Substrate                     *
*  F. Substrate Breakdown           *
*  G. State (two letter abbrev.)    *
*     (Outside US-use whole name)   *
*  H. EPA Region                    *
*  I. Country                       *
*  J. Sponsoring Agency             *
*  K. Revision Date                 *
*  L. Body of Water                 *
*  M. Get help with this menu       *
*  X. Exit to the previous menu     *
+************************************+
Current inquiry :Include

Please enter a letter from A to K or X (<ENTER> is not needed)
```

This menu allows you to choose a major category that you would like to INCLUDE or EXCLUDE from your search. Notice that the search sentence, below each menu, following 'Current inquiry', is being constructed from your menu selections. To follow our previous example, these nouns allow you to EXCLUDE STATE equal to MD or INCLUDE CHEMICAL containing the string 'METHYL BROMIDE.'

NOTE: 'H. Sponsoring Agency' is listed as the agency's formal name. For example EPA is listed as US ENVIRONMENTAL PROTECTION AGENCY, USDA as US DEPARTMENT OF AGRICULTURE, NJ Dept. of Health as NEW JERSEY DEPARTMENT OF HEALTH. (Notice there are no periods in US)

The Bulletin Board software contains a 40 character input limit. Therefore if the Sponsoring Agency is greater than 40 characters you must use STARTING IN to search this field.

```
Menu Number 4.
+******* Search Conditions ******+
*  A. Equal to                   *
*  B. Not equal to               *
*  C. Starting in                *
*  D. Not starting in            *
*  E. Ending in                  *
*  F. Not ending in              *
*  G. Containing                 *
*  H. Not containing             *
*  I. Get help with this menu    *
*  X. Exit to the previous menu  *
+*********************************+
```

Current inquiry : Include chemical

Please enter a letter from A to I or X (<ENTER> is not needed).

This menu allows you to choose a search condition that is specific to your needs. You may search for complete words or parts of words, depending upon the option you select. For example, if you wish to find all projects with the exact chemical name METHYL BROMIDE, your search sentence would be:

INCLUDE CHEMICAL EQUAL TO METHYL BROMIDE.

However, if you wish to see all projects with chemicals starting in METHYL, your search sentence would be one of two:

INCLUDE CHEMICAL CONTAINING METHYL or
INCLUDE CHEMICAL STARTING IN METHYL

As you can see, there are many choices in this menu. With a little creativity and practice, you will be able to construct a search sentence that can be as broad or as specific as you wish.

NOTE: EQUAL TO searches for an exact character for character match. CONTAINING, STARTING IN, and ENDING IN, search for a string of characters within a larger group of characters. One of these options must be used if the chemical that you are searching for is longer that 40 characters.

It is recommended that in searching the fields 'Body of Water' and 'Sponsoring Agency', CONTAINING, or STARTING IN be used.

Menu Number 5.

```
+*********************************************************************+
* Enter the condition, correctly spelled, at the prompt below.       *
*                                                                     *
* Type EXIT followed by an <ENTER> at the prompt below to go back    *
* to the previous menu.                                               *
+*********************************************************************+
```

Current inquiry: Include chemical equal to

Final Condition:

After you select the search condition a space will be provided for you to type in the object of your search. Notice the search sentence being constructed beneath each menu. You need only to "fill-in-the-blank". The word that you type cannot exceed 40 characters. Type in all capital letters and be certain that you spell your word correctly. For example MD, METHYL BROMIDE or BROMIDE. After you type in your word the completed sentence will look like one of

these:

```
EXCLUDE STATE EQUAL TO MD
INCLUDE CHEMICAL EQUAL TO METHYL BROMIDE
INCLUDE CHEMICAL CONTAINING BROMIDE
```

These search sentences are the simplest ones that you can create; they contain only one search condition.

```
Menu Number 6.
+****** Linking Condition *******+
*  A. AND                        *
*  B. OR                         *
*  C. DONE                       *
*  D. Get Help with this menu    *
*  X. Return to previous menu    *
+*********************************+
Current inquiry :
```

Please enter a letter from A to D or X (<ENTER> is not needed)

Now that you have constructed one condition, you can choose to stop here and have the computer find the projects that you have selected, or you may add more conditions to your search sentence. This menu allows you to use AND or OR to link two conditions together. If you select one of these to continue your sentence, you will be returned to Menu Number I, and you will proceed exactly the same way as you did for the fi part of your sentence. You may link as many as four conditions toget as long as your sentence does not exceed 255 characters. Remember, from any menu, you may return to the previous menu and change what you have selected.

AND

AND is a linking word used to limit the scope of a search. For example, if your sentence looks like this:

INCLUDE CHEMICAL EQUAL TO METHYL BROMIDE AND INCLUDE STATE EQUAL TO MD

you will find only projects that meet both conditions.

OR

OR is a linking word used to expand the scope of a search. For example, if your sentence looks like this:

INCLUDE CHEMICAL EQUAL TO METHYL BROMIDE OR INCLUDE STATE EQUAL TO MD

you will find projects that meet either of the criteria stated.

NOTE: This language does not contain parenthesis, therefore it is highly recommended that you not use both AND and OR in the same sentence. Results of searches with combined linking words will be unpredictable.

II. SECONDARY MENUS - CHOICES FROM MENU NUMBER 3.

A. CHEMICAL

Even though there are many names for the same chemical, the PMI uses only one name. The name used is usually the ANSI name. If an ANSI name was not available, the ISO name was used. If neither of these were available, another synonym was selected, usually the shortest or most common name. In some cases, several related chemicals have been grouped under one chemical name. For example, if you search for projects containing DDT, you will also find projects containing DDE, DDD and various other metabolites of DDT.

Search the PMI Chemical Index, option <B> from the Main Menu, can be used to identify the PMI Chemical Name.

B. CAS NUMBER

This is the CAS Number (Chemical Abstract Number) that has been assigned to the chemical. Include all dashes.

C. CHEMICAL CLASS

All chemicals in the PMI have been grouped into one of several chemical classes, such as organochlorine, amide, carbamate. A list of the Chemical Classes in the PMI can be found in the Chemical Index.

D. CHEMICAL CATEGORY

All chemicals in the PMI have also been grouped into one or more chemical categories which reflect their use. A list of categories can be found in Appendix A.

E. SUBSTRATE

Every project in the PMI has at least one substrate associated with it. If you select this option, a menu will allow you to select one of the following eleven substrates.

```
+*************** SUBSTRATE CATEGORY **************+
*  A. Air                                          *
*  B. Water                                        *
*  C. Food                                         *
*  D. Epidemiology (Human)                         *
*  E. Biological Monitoring (Animal and Plant)     *
*  F. Plant Tissue/Fluid (includes Feed, Fiber)    *
*  G. Animal Tissue/Fluid                          *
*  H. Human Tissue/Fluid                           *
*  I. Soil                                         *
*  J. Chemical                                     *
*  K. Structural                                   *
*  X. Exit to Previous Menu                        *
+*************************************************+
Current inquiry:
```

Please enter a letter from A to K or X (<ENTER> is not needed).

F. SUBSTRATE BREAKDOWN

Appendix B lists the various substrate breakdowns that are available. These are generally used to narrow a search. Substrate breakdowns can modify more than one substrate. You may search for substrate breakdowns alone, but you run the risk of retrieving projects that are of no interest to you.

For example, SURFACE can be associated with the substrate STRUCTURAL and the substrate WATER. If you wish to find all projects monitoring SURFACE WATER, your search sentence would look like this:

INCLUDE SUBSTRATE EQUAL TO WATER AND INCLUDE SUBSTRATE BREAKDOWN EQUAL TO SURFACE.

If your search sentence looked like this:

INCLUDE SUBSTRATE BREAKDOWN EQUAL TO SURFACE

you would retrieve all projects associated with surface water and also all projects associated with monitoring the surfaces of structures such as buildings, machinery, furniture etc.

Subject breakdown is not a required entry for a PMI project with the exception of projects monitoring WATER. Any project with WATER as its substrate must contain at least one of the following substrate breakdowns:

SURFACE
GROUND
PRECIPITATION
NON-AMBIENT

In this way, you may be certain that you are retrieving all ground water projects or all surface water projects when you AND these substrate breakdowns with the WATER substrate.

G. STATE (two letter abbrev. Outside US - use whole name)

To retrieve all of the monitoring projects in a particular state, use the two letter abbreviation for the state. The two letter state abbreviations are listed in Appendix C. The PMI file contains some non-US projects. If you are searching for a non-US state, use the entire name of the state.

H. EPA REGION

The EPA Regions are entered as their two digit designations. For example Region 1 as '01', Region 10 as '10' etc. Appendix C lists the ten EPA Regions and their state abbreviations. National monitoring projects, those conducted on a nationwide basis, can be found by entering '00' and non-US projects by entering '99' for region.

I. COUNTRY

This field contains the country in which the monitoring project is being conducted. The formal name for the country is used, for example 'Great Britian' instead of 'England'. This field is only used to define non-US projects.

J. SPONSORING AGENCY

Sponsoring Agencies are listed by their formal name, with no abbreviations. To search for projects conducted by a particular sponsoring agency (example USGS), construct your sentence as follows:

INCLUDE SPONSORING AGENCY EQUAL TO US GEOLOGICAL SURVEY

This sentence will find all projects from the US Geological Survey. By using STARTING IN or CONTAINING an agency can be sought without knowing its exact formal name, or agency groups can be searched. For example,

INCLUDE SPONSORING AGENCY STARTING IN US

locates all projects sponsored by federal agencies. Do not use EQUAL TO in searching this field unless the whole exact agency name is known. Use STARTING IN if the Sponsoring Agency is over 40 characters in length.

K. REVISION DATE

This option allows you to search for projects before or after a specific date. The revision date is the last date that the project was updated or changed in the database. If you select this option the following menus allow you to specify 'before' or 'after' and type in the date that you choose.

```
+******** Search Conditions *******+
*  A. After                         *
*  B. Before                        *
*  C. Get help with this menu       *
*  X. Exit to the previous menu     *
+************************************+
```

```
Current inquiry :Include revision date

Please enter a letter from A to C or X (<ENTER> is not needed).

+*****************************************************************+
* In the space provided type in the final condition of your     *
* search.  The date entered should conform to one of the        *
* following allowable formats:                                   *
*                              1/1/88                            *
*                              01/01/86                          *
*                              1-02-87                           *
*                                                                *
* If the date entered is an illegal date or does not correspond*
* to the format described above then this search condition will*
* be ignored.                                                    *
*                                                                *
* Type EXIT followed by an <ENTER> at the prompt below to go    *
* back to the previous menu.                                     *
+*****************************************************************
Current inquiry : Include revision date after

Final Condition:  1/1/89
```

L. BODY OF WATER

This option allows you to search for a specific body of water, for example, the Sandusky River. If you use the search condition EQUAL TO the body of water must be spelled correctly and be an exact match with the name in the PMI. Therefore, it is preferable to use STARTING IN, ENDING IN or CONTAINING. For example,

INCLUDE BODY OF WATER CONTAINING LAKE MICHIGAN

will find projects listed with 'LAKE MICHIGAN', 'LAKE MICHIGAN, WI' and 'LAKE MICHIGAN, MI'. The common mistake of "Include body of water equal to LAKE MICHIGAN" will only find projects with 'LAKE MICHIGAN', thus missing other projects pertaining to this body of water.

III. DOWN-LOADING PROJECTS

After completing your search sentence, you may select the amount of information that you want to be down-loaded to your computer.

```
Menu Number 7.
+************* RETRIEVING THE PROJECTS THAT YOU SELECTED ********+
* To reduce the number of lines transmitted you may select the  *
* exact information that you need by choosing various           *
* combinations of the groups listed below.                      *
*+-------------------------------------------------------------+*
* Group 1:  Project Name, Sponsoring Organization, EPA Region,  *
*           Country, Project Officer's name, address, and       *
*           telephone number, starting and ending date, date of *
*           the project's last update (Revision Date).          *
* Group 2:  Location of monitoring site(s), methods references, *
*           project references.                                 *
* Group 3:  Chemicals, CAS Numbers and substrates.              *
* Group 4:  Abstract, Project reference.                        *
*+-------------------------------------------------------------+*
*   A. Group 1              D. Groups 1 & 2          X. Exit to  *
*   B. Groups 1, & 4        E. Groups 1, 2 & 3          the Main *
*   C. Groups 1, 3, & 4     F. Groups 1, 2, 3 & 4       Menu     *
+*********************************************************************
Please type a letter from A to F or X indicating the information that
should be included in the file (<ENTER> is not required).

Please wait a few minutes while the database is accessed.....
```

Once the database has been searched, a message will appear stating the number of projects and total number of lines in the report. You are then asked if you would like to download this information.

```
Do you with to download these records (Y/N - <ENTER> is not needed)?

Menu Number 8.
+********** Downloading Options *******+
*      A. Download                     *
*      B. Get help with this menu      *
*      C. Return to the Search Menu    *
*      X. Exit the System              *
+*****************************************+

Please enter a letter from A to C or X (<ENTER> is not needed)
```

If the download option is chosen you will see this message:

```
Press any key to begin transfer .....
```

At this time you may set up your computer to capture the information you selected. Consult your communications software manual to find out how to download and capture files. (The protocol that is used is the NONE protocol. It does not verify the data that is transmitted; however, verification is not as essential when capturing words as it is when capturing numbers.)

IV. EXITING THE SYSTEM

The Downloading Options Menu (Menu Number VI) will reappear after your information has been downloaded. You may download this same information again, perform another search, or exit the system.

Upon exiting the system, the following menu will appear:

```
*************************************************************************
*                                                                       *
*  Thank you for using the Pesticide Information Network.  We hope     *
*  that you found it useful.   Please share your expertise in          *
*  pesticide monitoring by adding your projects to the Pesticide       *
*  Monitoring Inventory file.                                           *
*                                                                       *
*  If you have any questions, problems or suggestions you may contact*
*  any of the User Support Staff.                                       *
*                                                                       *
*                        Constance A. Hoheisel                          *
*                        Leslie Davies-Hilliard                         *
*                                                                       *
*                        US Environmental Protection Agency             *
*                        Office of Pesticide Programs  (H7507C)         *
*                        401 M  Street, SW                              *
*                        Washington, DC  20460                          *
*                        703-557-7499                                   *
*                                                                       *
*************************************************************************
```

APPENDIX A - CHEMICAL CATEGORIES

Biocide
Bioregulator
Fumigant
Fungicide
Herbicide
Industrial Chemical
Insecticide
Nonpesticidal Parameters *
Rodenticide
Termiticide

* This category contains water quality parameters etc., it does not contain chemicals or chemical classes.

APPENDIX B - SUBSTRATE BREAKDOWN

ACUTE TOXICITY
ADIPOSE
ADULT
AGRICULTURAL
ALLERGY
AMBIENT
AQUATIC VEGETATION
AQUIFER
AUTOMATED
BERRIES
BIRDS
BLOOD
BOTTOM MATERIAL
BRAIN
BRASICA/COLE CROPS
BULB CROPS
CADAVER
CARCINOGENESIS
CENSUS
CITRUS
CLAY
COHORT
CONTAMINANTS
CORE
CORN
COTTON
CROPS
CRUSTACEAN
CUCURBITS
DAIRY PRODUCTS
DISLODGEABLE RESIDUE
DRINKING
DUCKS
EDIBLE AQUATIC SPECIES
EGGS
EQUIPMENT
ESTUARY/BAY
EXTERIOR
FEED INGREDIENTS
FISH
FLOWERS/INFLORESCENCE
FOLIAGE
FORMULATION
FRUIT
GLOVES
GONADS
GRAB SAMPLES
GRAINS
GROUND
HAND RINSE

APPENDIX B - SUBSTRATE BREAKDOWN

HARVESTERS
HEART
HEPATOPANCREAS
HIGH VOLUME
INDOOR
INDUSTRIAL
INTERIOR
INVERTEBRATES (MACRO/MICRO)
IRRIGATION
JUVENILE
KIDNEY
LABEL CONTENTS
LAKE/RESERVOIR
LAWN/TURF
LEAFY VEGETABLES
LEAVES/FOLIAGE
LEGUMES
LIPID
LIVER
MAMMAL
MARSH
MEAT
MILK
MINERAL
MOLLUSK
MORBIDITY
MORTALITY
MUSCLE
NON-AGRICULTURAL
NON-AMBIENT
NON-TARGET
NUTS
OCCUPATIONAL
OCEAN/SEA
ONCOGENESIS
ORGANIC
ORGANS
OVARIES
PARALYSIS
PERCHED
PERSONAL
POME
POTABLE
POULTRY/EGGS
PRECIPITATION
REPRODUCTIVE
RESIDUES
RESPIRATORY
ROOT/TUBER
RUNOFF

APPENDIX B - SUBSTRATE BREAKDOWN

SAND
SEDIMENT
SEEDS
SHELL DISPOSITION
SHELL FISH
SILT
SKIN
SOYBEAN
SPRING
STEM/TILLER
STOLONS/RHIZOMES
STOMACH CONTENTS
STONE FRUIT
STREAM
SURFACE
TAP
TESTES
THYROID
TOBACCO
TOMATOES/VEGETABLE FRUIT
TREATMENT PLANT
UNDISTURBED
URBAN
URINE
USE/USAGE
VEGETABLES
WATERSHED
WELL
WILDLIFE

APPENDIX C - STATE AND REGION ABBREVIATIONS

FOREIGN	99
NATIONAL	00

(Projects conducted on a nationwide basis)

REGION 01	
CONNECTICUT	CT
MASSACHUSETTS	MA
MAINE	ME
NEW HAMPSHIRE	NH
RHODE ISLAND	RI
VERMONT	VT
REGION 02	
NEW YORK	NY
NEW JERSEY	NJ
PUERTO RICO	PR
VIRGIN ISLANDS	VI
REGION 03	
DELAWARE	DE
DISTRICT OF COLUMBIA	DC
MARYLAND	MD
PENNSYLVANIA	PA
VIRGINIA	VA
WEST VIRGINIA	WV
REGION 04	
ALABAMA	AL
FLORIDA	FL
GEORGIA	GA
KENTUCKY	KY
MISSISSIPPI	MS
NORTH CAROLINA	NC
SOUTH CAROLINA	SC
TENNESSEE	TN
REGION 05	
ILLINOIS	IL
INDIANA	IN
MICHIGAN	MI
MINNESOTA	MN
OHIO	OH
WISCONSIN	WI

APPENDIX C - STATE AND REGION ABBREVIATIONS

REGION 06	
ARKANSAS	AR
LOUISIANA	LA
NEW MEXICO	NM
OKLAHOMA	OK
TEXAS	TX
REGION 07	
IOWA	IA
KANSAS	KS
MISSOURI	MO
NEBRASKA	NE
REGION 08	
COLORADO	CO
MONTANA	MT
NORTH DAKOTA	ND
SOUTH DAKOTA	SD
UTAH	UT
WYOMING	WY
REGION 09	
ARIZONA	AZ
CALIFORNIA	CA
HAWAII	HI
NEVADA	NV
AMERICAN SAMOA	AS
GUAM	GU
REGION 10	
ALASKA	AK
IDAHO	ID
OREGON	OR
WASHINGTON	WA

APPENDIX D - PMI PROJECT FORM

PESTICIDE MONITORING INVENTORY

New Project Form

Return to:

Leslie Davies-Hilliard
OPP/EFED/EFGWB/ (H7507C)
Environmental Protection Agency
401 M. St. S.W.
Washington, D.C. 20460

PAGE 1
PROJECT/PROJECT OFFICER IDENTIFICATION

PROJECT CODE NUMBER - assigned to each project by PMI staff.
PROJECT NAME - The name of the project.

_____

SPONSORING ORGANIZATION - The organization or organizations responsible for funding and performing the project.

_____

_____

_____

EPA REGION - only one may be entered. 00 is entered for national projects. _____

PROJECT OFFICER INFORMATION - As many projects officers as you wish may be entered. However an address and phone number must be supplied with each project officer.

	OFFICER 1	OFFICER 2	OFFICER 3
NAME			
TITLE			
AGENCY			
ADDRESS			
CITY			
STATE			
ZIP CODE			
TELEPHONE			
FTS OR ADDITIONAL TELEPHONE NUMBER			

PAGE 2
PROJECT LOCATION

PROJECT START DATE - The date the project began. Enter one only.
MM/DD/YY _____

PROJECT COMPLETION DATE - The date the project ended or is scheduled to end. Enter one only. MM/DD/YY _____

ONGOING (Y/N) - Enter Y if your project has no projected end. _____

MONITORING LOCATION - Any number may be entered. Each location must have a State entry. LAT/LONG, CITY, COUNTY are optional.

LAT/LONG _____

CITY _____

COUNTY _____

STATE _____

BODY OF WATER - Any number may be entered.

_____

_____

SAMPLING FREQUENCY - Select one. If your sampling pattern is not shown, write it in the "other" blank.

1. Continually	4. Monthly	7. Intermittently (as needed)
2 Hourly	5. Quarterly	8. Single
3. Daily	6. Annually	9. Other _____

STANDARD METHOD REFERENCES FOR FIELD SAMPLING AND LABORATORY METHODS. Any number may be entered.

_____

_____

(QA/QC) FIELD (y/n) _____ (QA/QC) LAB ANALYSIS (y/n) _____

USE/USAGE DATA COLLECTED (y/n) _____

WHERE/HOW IS DATA STORED? Computerized or Hard-copy files? If your data is computerized what software/hardware do you use. Is the information private or publicly available?

_____

REFERENCES - If your project has been published, provide a reference

_____

CHEMICALS

Any number of chemicals may be entered. Please try to be specific. "All pesticides" does not provide enough information to search on. If your project is so general that you cannot enter specific chemicals please provide specific groups of chemicals when entering information in the CHEMICAL CLASS and CHEMICAL CATEGORY. If your project does not monitor any chemicals enter NONE and go on to the next page.

CHEMICAL NAME(S): (Attach a separate sheet if more room is needed.)

_____

_____

_____

_____

_____

CHEMICAL CLASS (ie organochlorine, organophosphate, triazine etc.) - Any number may be entered.

_____

_____

_____

_____

_____

CHEMICAL CATEGORY - Any that apply may be entered. Choose from the following list:

BIOCIDE
BIOREGULATOR
FUMIGANT
FUNGICIDE
HERBICIDE
INDUSTRIAL CHEMICAL
INSECTICIDE
NONPESTICIDAL PARAMETERS
RODENTICIDE
TERMITICIDE

PAGE 4
SUBSTRATES

All projects must have at least one substrate category but may have as many as are applicable. The substrate breakdowns are a further description of what is being monitored. Any number may be entered. A substrate breakdown is required when the category field is WATER. For all other categories it is optional.

CATEGORY
- AIR
- WATER
- SOIL
- BIOLOGICAL MONITORING (ANIMAL AND PLANT)
- EPIDEMIOLOGY (HUMAN)
- HUMAN TISSUE/FLUID
- ANIMAL TISSUE/FLUID
- PLANT TISSUE/FLUID (INCLUDES FEED AND FIBER)
- FOOD (HUMAN ONLY)
- CHEMICAL
- STRUCTURAL

SUBSTRATE BREAKDOWN (See attached list for selections)
If WATER was chosen as the substrate category you must choose one of the following substrate breakdowns:
- GROUND
- SURFACE
- PRECIPITATION
- NON-AMBIENT

In addition GROUND water may have one or more of the following:
- WELL
- SPRING
- AQUIFER
- PERCHED

SURFACE water may have one or more of the following:
- STREAM (includes stream, river, brook, creek, run, canal, watershed, basin)
- LAKE (includes lake, pond, reservoir)
- OCEAN/SEA (includes ocean, sea, gulf)
- ESTUARY/BAY
- MARSH

NON-AMBIENT water may have one or more of the following:
- TREATMENT PLANT
- POTABLE
- TAP
- DRINKING

PAGE 5
PROJECT ABSTRACT

Provide a short synopsis of your project. Include goals and objectives, successes, failures, suggestions for others who would like to start a similar project.

PESTICIDE MONITORING INVENTORY SUBSTRATE BREAKDOWN

024 ACUTE TOXICITY
060 ADIPOSE
101 ADULT
014 AGRICULTURAL
021 ALLERGY
001 AMBIENT
129 AQUATIC VEGETATION
108 AQUIFER
120 AUTOMATED
084 BERRIES
114 BIRDS
058 BLOOD
041 BOTTOM MATERIAL
063 BRAIN
073 BRASICA/COLE CROPS
044 BULB CROPS
119 CADAVER
023 CARCINOGENESIS
019 CENSUS
083 CITRUS
013 CLAY
124 COHORT
092 CONTAMINANTS
011 CORE
043 CORN
010 COTTON
096 CROPS
033 CRUSTACEAN
078 CUCURBITS
071 DAIRY PRODUCTS
103 DISLODGEABLE RESIDUE
009 DRINKING
113 DUCKS
077 EDIBLE AQUATIC SPECIES
128 EGGS
047 EQUIPMENT
007 ESTUARY/BAY
049 EXTERIOR
091 FEED INGREDIENTS
032 FISH
056 FLOWERS/INFLORESCENCE
090 FOLIAGE
075 FORMULATION
035 FRUIT
098 GLOVES
067 GONADS
002 GRAB SAMPLES
046 GRAINS
003 GROUND

PESTICIDE MONITORING INVENTORY SUBSTRATE BREAKDOWN

099 HAND RINSE
100 HARVESTERS
064 HEART
054 HEPATOPANCREAS
117 HIGH VOLUME
087 INDOOR
088 INDUSTRIAL
048 INTERIOR
110 INVERTEBRATES (MACRO/MICRO)
102 JUVENILE
062 KIDNEY
076 LABEL CONTENTS
006 LAKE/RESERVOIR
116 LAWN/TURF
072 LEAFY VEGETABLES (LETTUCE ETC.)
052 LEAVES/FOLIAGE
074 LEGUMES
126 LIPID
061 LIVER
030 MAMMAL
051 MARSH
038 MEAT
039 MILK
016 MINERAL
034 MOLLUSK
026 MORBIDITY
025 MORTALITY
065 MUSCLE
104 NON-AGRICULTURAL
031 NON-AMBIENT
097 NON-TARGET PLANTS
085 NUTS
089 OCCUPATIONAL
050 OCEAN/SEA
022 ONCOGENESIS
017 ORGANIC
094 ORGANS
068 OVARIES
027 PARALYSIS
112 PERCHED
086 PERSONAL
081 POME
109 POTABLE
079 POULTRY/EGGS
125 PRECIPITATION
029 REPRODUCTIVE
105 RESIDUES
020 RESPIRATORY
042 ROOT/TUBER

PESTICIDE MONITORING INVENTORY SUBSTRATE BREAKDOWN

122	RUNOFF
012	SAND
070	SEDIMENT
053	SEEDS
028	SHELL DISPOSITION
115	SHELL FISH
004	SILT
066	SKIN
045	SOYBEAN
106	SPRING
055	STEM/TILLER
057	STOLONS/RHIZOMES
093	STOMACH CONTENTS
082	STONE FRUIT
005	STREAM
037	SURFACE
123	TAP
069	TESTES
111	THYROID
040	TOBACCO
080	TOMATOES AND VEGETABLE FRUITS
107	TREATMENT PLANT
015	UNDISTURBED
018	URBAN
059	URINE
095	USE/USAGE
036	VEGETABLES
121	WATERSHED
008	WELL
118	WILDLIFE

PESTICIDE MONITORING INVENTORY SUBSTRATE BREAKDOWN

122	RUNOFF
012	SAND
070	SEDIMENT
053	SEEDS
028	SHELL DISPOSITION
115	SHELL FISH
004	SILT
066	SKIN
045	SOYBEAN
106	SPRING
055	STEM/TILLER
057	STOLONS/RHIZOMES
093	STOMACH CONTENTS
082	STONE FRUIT
005	STREAM
037	SURFACE
123	TAP
069	TESTES
111	THYROID
040	TOBACCO
080	TOMATOES AND VEGETABLE FRUITS
107	TREATMENT PLANT
015	UNDISTURBED
018	URBAN
059	URINE
095	USE/USAGE
036	VEGETABLES
121	WATERSHED
008	WELL
118	WILDLIFE

Section III

RESTRICTED USE PRODUCTS FILE
INSTRUCTION MANUAL
(Version 11-89)

```
*************************************************************************
*                    US ENVIRONMENTAL PROTECTION AGENCY                 *
*                       OFFICE OF PESTICIDE PROGRAMS                    *
*                                WELCOME TO                             *
*                     THE PESTICIDE INFORMATION NETWORK                 *
*                                                                       *
*  The Pesticide Information Network (PIN) is a collection of files each *
*  containing up-to-date pesticide information.  Currently, PIN has three *
*  files.  We hope to add more types of information in the future.  If  *
*  you have any comments or suggestions, please let us know.            *
*                                                                       *
*  FILES:                                                               *
*  THE PESTICIDE MONITORING INVENTORY (PMI):  A compilation of pesticide *
*  monitoring projects performed by Federal, State and local governments *
*  and private institutions.                                            *
*                                                                       *
*  THE RESTRICTED USE PRODUCTS FILE (RUP):  A list of restricted        *
*  pesticides, associated products and the reasons for restriction.     *
*                                                                       *
*  THE CHEMICAL INDEX:  A cross referenced list of all chemical names,  *
*  synonyms and CAS numbers contained in the above two files.           *
*************************************************************************
```

Press any character to continue....

The Pesticide Information Network (PIN) is operational 24 hours per day, 7 days a week. User support is available from 7:30 AM to 4:30 PM EST, Monday through Friday. Messages during non-business hours can be left at 703-557-7499. The User Support Staff is as follows:

Constance A. Hoheisel 703-557-7455
Leslie Davies-Hilliard 703-557-7499

Computer Settings

PHONE:	703-557-1919
BAUD RATE:	1200
DATABITS:	7
STOP:	1
PARITY:	EVEN
DUPLEX	FULL

```
*************************************************************************
*                     US ENVIRONMENTAL PROTECTION AGENCY
*                        OFFICE OF PESTICIDE PROGRAMS
*
*  NEWS!!  NEWS!!  NEWS!!  NEWS!!  NEWS!!  NEWS!!  NEWS!!  NEWS!!      *
*                                                                       *
*                                                                       *
*                                                                       *
*                                                                       *
*                                                                       *
*  PROBLEMS OR SUGGESTIONS? ==> CALL USER SUPPORT  703-557-7499         *
*                                                                       *
*  Watch this screen for other news alerts and items of interest.       *
*************************************************************************
Press any character to continue....
```

This screen will contain important news alerts concerning activities involving the PIN, the PESTICIDE MONITORING INVENTORY (PMI), and the RESTRICTED USE PRODUCTS (RUP). For example EPA may send an alert requesting special monitoring information for a specific chemical, or a new Restricted Use Product may be announced.

The first thing you will be asked to do in order to access the system is enter your name as:

Last name:
First name:
Middle name or initial:

Type in ALL CAPITAL LETTERS. This is your 'password.' A mailbox is also created for you at this time. You must enter your name the same way each time that you access the PIN. When entering your name for the first time, you will be asked to provide a mailing address. Please be complete and accurate so that we will be able to mail you information about the system. In the future, whenever you log on, the computer will search the user file for your name, list the address that you provided and ask you if it is correct.

If you are a new user and there is another person in the user file with a name identical to yours, log off the system and redial to start over. Log on again with a modified version of your name. For example, if your name is Robert, try logging on with the name Bob.

After the log on procedure is completed, the PIN Main Menu will scroll onto your screen.

PESTICIDE INFORMATION NETWORK

```
+***************** Main Menu *****************+
*                                             *
*  <A>  Instruction Manuals                   *
*                                             *
*  <B>  Search the Chemical Index/View the    *
*       Chemical Classes                      *
*                                             *
*  <C>  Search the PMI File                   *
*                                             *
*  <D>  Search the RUP File                   *
*                                             *
*  <E>  Use the Mailroom.                     *
*                                             *
*  <F>  Send the System Operator a Message.   *
*                                             *
*  <X>  Exit the system.                      *
+*********************************************+
```

Please enter a letter from A to G or X (<ENTER> is not needed)

SEND THE SYSTEM OPERATOR A MESSAGE
OPTION <F>

This option allows the user to send a message to the System Operator. Any changes in address must be sent via this option.

USE THE MAILROOM
OPTION <E>

Upon entering the Mailroom, the computer searches for your mailbox. A message will appear above the mailroom menu if you have mail. The Mailroom options provided in the Mailroom Menu are:

<A> Read your Mail - allows 10 messages to be stored in the user's personal mailbox.

<B> Read public notices - contains information concerning the RUP and PMI.

<C> Send a letter (public or private) - using private, messages can be sent to individual users in the system.

<D> Delete messages - deletes mail in the user's personal mailbox.

<E> Display users on the system - displays all PIN users by name and association.

<X> Exit to the PIN Main Menu

SEARCH THE CHEMICAL INDEX
OPTION <B>

The CHEMICAL INDEX is a cross-referenced list of all the chemicals, their synonyms, classes, and Cas Numbers contained in the PIN. The Index also identifies in which file the chemical may be found. For simplicity of use, each chemical in the PIN is identified by a designated name, usually the ANSI name. When in doubt as to the correct chemical name to use, or for a quick search to check if information on a specific chemical is in the system, use the CHEMICAL INDEX. The Index is completely menu driven, however there is also a brief Instruction Manual that can be downloaded.

SEARCH THE RUP FILE
OPTION D.

```
*************************************************************************
*                    US ENVIRONMENTAL PROTECTION AGENCY                 *
*                       OFFICE OF PESTICIDE PROGRAMS                    *
*                     THE PESTICIDE INFORMATION NETWORK                 *
*                       RESTRICTED USE PRODUCTS FILE                    *
*                                                                       *
*  The Restricted Use Products File (RUP) is a current listing of all*
*  pesticide products that have been classified as Restricted Use     *
*  Pesticides under 40 CFR Part 152, Subpart I.  The file contains    *
*  the EPA chemical code number, active ingredient name, EPA          *
*  registration number and product name, Product Manager number,
*  criteria for classification, formulations and uses restricted, an
*  the EPA actions that lead to classification.                       *
*                                                                       *
*  The RUP file will be updated on the 1st of each month.             *
*                                                                       *
*  If you have questions concerning any of the information in the RUP*
*  file contact: Mark Dow, Registration Support Branch, 703-557-4354 *
*                                                                       *
*  For system problems/questions call User Support at 703-557-7499    *
*************************************************************************

Press any character to continue...
```

You have now entered the RESTRICTED USE PRODUCTS FILE. Information searches will be menu driven. The following menu options will be the next to appear on your screen.

I. PRIMARY MENUS

Menu Number I

```
+******************** RUP Options Menu *******************+
*  A. Search the Restricted Use Products File             *
*  B. Download the entire Restricted Use Products File    *
*  C. Download the list of Product Managers               *
*        (Revision 8/89)                                  *
*  X. Exit to the PIN Main Menu                           *
+*********************************************************+
```

Please enter a letter from A to C or X (<ENTER> is not needed)

DOWNLOAD THE ENTIRE RESTRICTED USE PRODUCTS FILE OPTION B.

The entire RUP file can be downloaded with this option. The RUP is a large file and requires approximately 40 minutes to download. The RUP user need only to download the file once and update it quarterly, replacing the outdated information with the updated copy.

To download the RUP file, turn the capture mode "on" in your communications software and capture to a disk. If you are capturing the file to a floppy, the disk must have 360 K of space available.

DOWNLOAD THE LIST OF PRODUCT MANAGERS OPTION C.

The PRODUCT MANAGERS LIST contains the name, address and phone number of the Project Manager (PM) that is assigned to a particular product. Each PM is identified by this number. In the PRODUCT MANAGERS LIST this number is given in the field 'Product Manager Number'. In the RUP, the number is located in the field 'PM'.

SEARCH THE RESTRICTED USE PRODUCTS FILE OPTION A.

This option allows the user to search the RUP file using various criteria. It can be a quick on-line check for information or downloaded to a disk to produce a hardcopy.

To retrieve information in the RESTRICTED USE PRODUCTS FILE, you will construct a 'natural language' sentence using the menus that follow. You may construct up to four search conditions, however your search question may not exceed 255 characters in length. (Usually most four condition search sentences do not exceed the length limitation.) If you have difficulty deciding which words to select in any of the menus, select the help option. You may return to a previous menu and change your search sentence at any time by selecting the 'Exit to

previous menu' option.

```
Menu Number II
+****** Selection Criteria *******+
*  A. Include                     *
*  B. Exclude                     *
*  C. Get Help with this menu     *
*  X. Exit to the Previous Menu   *
+**********************************+
```

Please enter a letter from A to C or X (<ENTER> is not needed)

The first menu offers you a choice of two verbs to begin your sentence. The verbs allow you to INCLUDE or EXCLUDE records which meet the conditions you will define using the menus that follow. For example, you may choose to EXCLUDE all records with the Revision Date before 1/1/89 or INCLUDE all records that contain the chemical name 'METHYL BROMIDE.'

```
Menu Number III
+******** Major Categories ********+
*  A. EPA Code                      *
*  B. Chemical Name                 *
*  C. CAS Number  (include dashes)  *
*  D. Revision Date                 *
*  E. EPA Registration Number       *
*  F. Get help with this menu       *
*  X. Exit to the previous menu     *
+************************************+
Current inquiry :Include
```

Please enter a letter from A to K or X (<ENTER> is not needed)

This menu allows you to choose a major category that you would like to INCLUDE or EXCLUDE from your search. To follow our previous example, these nouns allow you to EXCLUDE Revision Date before '1/1/89' or INCLUDE Chemical Name equal to 'METHYL BROMIDE'. Note the search string below each menu that is being constructed from your menu selections.

NOTE: The Bulletin Board software only allows you to enter 40 characters. Therefore it is important when selecting the CHEMICAL NAME category that you choose your search condition with this in mind.

II. SECONDARY MENUS

D. REVISION DATE - from PRIMARY MENU, Menu Number III

This option allows you to search for information before or after a specific date. The revision date is the last date that the record was updated or changed in the database. If this option is selected, the following menus allow you to specify 'before' or 'after' and type in the date that you chose.

```
Menu Number 1
+******* Search Conditions ******+
*  A. After                      *
*  B. Before                     *
*  C. Get help with this menu    *
*  X. Exit to the previous menu  *
+**********************************+
Current inquiry :Exclude revision date

Please enter a letter from A to C or X (<ENTER> is not needed).
```

```
Menu Number 2
+*********************************************************************+
* In the space provided type in the final condition of your          *
* search.  The date entered should conform to one of the             *
* following allowable formats:                                       *
*                                 1/88                               *
*                                 01/01/86                           *
*                                 1-02-87                            *
*                                                                    *
* If the date entered is an illegal date or does not correspond*
* to the format described above then this search condition will*
* be ignored.                                                        *
*                                                                    *
* Type EXIT followed by an <ENTER> at the prompt below to go         *
* back to the previous menu.                                         *
+*********************************************************************
Current inquiry : Exclude revision date before

Final Condition : 1/1/89
```

```
Menu Number IV
+******** Search Conditions *******+
*  A. Equal to                     *
*  B. Not equal to                 *
*  C. Starting in                  *
*  D. Not starting in              *
*  E. Ending in                    *
*  F. Not ending in                *
*  G. Containing                   *
*  H. Not containing               *
*  I. Get help with this menu      *
*  X. Exit to the previous menu    *
+**********************************+
Current inquiry :Include Chemical Name

Please enter a letter from A to I or X (<ENTER> is not needed)
```

This menu allows you to choose a relation/search condition that is specific to your needs. You may search for complete words/numbers or parts of words/numbers, depending upon the option you select.' For example, if you wish to find all records with the exact chemical name of METHYL BROMIDE, your search sentence would be:

INCLUDE CHEMICAL EQUAL TO METHYL BROMIDE.

NOTE: EQUAL TO searches for an exact character for character match. CONTAINING, STARTING IN, ENDING IN search for a string of characters within a larger group of characters.

INCLUDE CHEMICAL CONTAINING METHYL

This search string will find the records for any chemical containing 'methyl', such as METHYL PARATHION and AZINPHOS-METHYL.

INCLUDE CHEMICAL ENDING IN METHYL

Using the previous example, only the record for AZINPHOS-METHYL would be found.

As you can see, there are many choices in this menu. With a little creativity and practice, you will be able to construct a search sentence that can be as broad or as specific as you wish.

```
Menu Number V
+*********************************************************************+
* Enter the condition, correctly spelled, at the prompt below.       *
*                                                                    *
* Type EXIT followed by an <ENTER> at the prompt below to go back    *
* to the previous menu.                                              *
+*********************************************************************+

 Current inquiry :Include Chemical equal to

Final Condition: METHYL BROMIDE
```

Once you select the search condition a space will be provided for you to type in the object of your search. This is illustrated in the above menu, Menu Number V. The word that you type cannot exceed 40 characters. Type in all capital letters and be certain that you spell the word correctly.

NOTE: The search sentence being constructed appears below each menu in 'Current inquiry:'. At this prompt you only need to "fill-in-the-blank". This entry must be correctly spelled. Use the backspace key if necessary.

After you type in your word, the completed sentence will look like one of these:

EXCLUDE REVISION DATE BEFORE 1/1/89
INCLUDE CHEMICAL EQUAL TO METHYL BROMIDE
INCLUDE EPA REGISTRATION NUMBER ENDING IN 248

These search sentences are the simplest ones that you can create; they contain only one search condition.

```
 Menu Number VI
+****** Linking Condition *******+
*  A. OR                         *
*  B. DONE                       *
*  C. Get Help with this menu    *
*  X. Return to previous menu    *
+*********************************+
Current inquiry :Include Chemical equal to 'METHYL BROMIDE'

Please enter a letter from A to D or X (<ENTER> is not needed)
```

Now that you have constructed one condition, you can choose to stop here and have the computer find the information you have selected, or you may add more conditions to your search sentence. This menu allows you to use OR to link two conditions together. If you elect to continue your sentence, you will be returned to Menu Number I and you will proceed exactly the same way as you did for the first part of your sentence. You may link as many as four conditions together as long as

your sentence does not exceed 255 characters. Remember, from any menu you may return to the previous menu and change what you have selected

OR

OR is a linking word used to expand the scope of a search. Depending on your search sentence OR will allow you to search for two or more records or groups of records. For example,

INCLUDE CHEMICAL EQUAL TO METHYL BROMIDE OR INCLUDE CHEMICAL EQUAL TO METHYL PARATHION

This search sentence will bring up both of those records or either of these records should one not exist.

INCLUDE EPA REGISTRATION NUMBER ENDING IN 248 OR INCLUDE EPA REGISTRATION NUMBER ENDING IN 42

This search sentence will bring up both records or groups of records that meet this criteria. However the record groups will be mixed in order, not divided into one set of '248' then another set of '42'.

III. DOWNLOADING OPTIONS

After completing your search sentence, you may select the amount of information that will be down-loaded to your computer.

```
Menu Number V
+************ RETRIEVING THE INFORMATION THAT YOU SELECTED ************+
* To reduce the number of lines transmitted, you may select the exact*
* information that you need by choosing various combinations of the  *
* groups listed below.                                                *
+---------------------------------------------------------------------+
* Group 1:  EPA Code Number, Revision Date, PM Number, Chemical Name,*
*           CAS Number, Production and Channel of Trade Dates,       *
*           Criteria Influencing Restriction and EPA Actions         *
* Group 2:  Formulation and Use Information                          *
* Group 3:  EPA Registration Number and Product Name                 *
+---------------------------------------------------------------------+
*   A. Groups 1 & 2       C. Groups 1, 2 & 3                         *
*   B. Groups 1 & 3       X. Exit to the Main Menu                   *
+*********************************************************************+
```

Please type a letter from A to C or X indicating the information that should be included in the file (<ENTER> is not required).

Please wait a few minutes while the database is accessed...

Once the database has been searched, a message will appear stating the number of records and total number of lines in the report. You are then asked if you would like to download this information.

This report contains 1 records and requires 27 lines.

Do you wish to download these records (Y/N - <ENTER> is not needed)?

```
Menu Number VI
+********** Downloading Options ***********+
*       A. Download                        *
*       B. Get help with this menu         *
*       C. Return to the RUP Option Menu   *
*       X. Exit the System                 *
+*****************************************+
```

Please enter a letter from A to C or X (<ENTER> is not needed)

If the download option is chosen the computer will tell you to strike any key to proceed downloading. At this time you may capture the information you selected. Consult the manual that came with your software to find out how to download and capture files. (The protocol that is used is the NONE protocol. This protocol does not verify the data that is transmitted; however, verification is not as essential when capturing words as it is when capturing numbers.)

Press any key to begin the transfer...

IV. EXITING THE SYSTEM

The Downloading Options Menu (Menu Number VI) will reappear after your information has been downloaded. You may download this same information again, perform another search, or exit the system.

Upon exiting the system, the following menu will appear:

```
*********************************************************************
*                                                                   *
*  Thank you for using the Pesticide Information Network.  We hope  *
*  that you found it useful.   Please share your expertise in       *
*  pesticide monitoring by adding your projects to the Pesticide    *
*  Monitoring Inventory file.                                       *
*                                                                   *
*  If you have any questions, problems or suggestions you may contact*
*  any of the User Support Staff.                                   *
*                                                                   *
*                        Constance A. Hoheisel                      *
*                        Leslie Davies-Hilliard                     *
*                                                                   *
*                        US Environmental Protection Agency         *
*                        Office of Pesticide Programs  (H7507C)     *
*                        401 M  Street, SW                          *
*                        Washington, DC  20460                      *
*                        703-557-7499                               *
*                                                                   *
*********************************************************************
```

Section IV

Examples of Reports
from

Pesticide Monitoring Inventory File

Restricted Use Products File

Product Managers File

SEARCH PATTERN : WITH CHEMICAL EQUAL TO ETU
CURRENT DATE : 06/18/90

PROJECT NAME : RESIDUES OF PULP MILL SLIMICIDES IN THE VICINITY OF WOOD PROCESSING PLANTS
PROJECT CODE NUMBER : 334
SPONSORING ORGANIZATION : WELLINGTON ENVIRONMENTAL CONSULTANTS, ONTARIO
: RESEARCH AND PRODUCTIVITY COUNCIL OF NEW BRUNSWICK
EPA REGION : 99, CANADA

PROJECT OFFICER 1 : GARY JULIEN
TITLE :
ADDRESS : CONTAMINANTS & ASSESSMENTS BRANCH, C&P
: ATLANTIC REGION
: 45 ALDERNEY DR, QUEEN SQUARE, 5TH FLOOR
CITY, STATE, ZIP : DARTMOUTH, NOVA SCOTIA, CANADA B2Y 2N6
PHONE NUMBER : 902-426-6141
FTS PHONE NUMBER :
REVISION DATE : 11/01/89

STARTING DATE :
ENDING DATE :
ONGOING PROJECT : N

MONITORING STATE 1 : CITY: COUNTY:

BODY OF WATER :
SAMPLING FREQUENCY :
QA/QC (FIELD SAMPLING) :
QA/QC (LAB ANALYSIS) :
STANDARD METHOD REF. :
USE/USAGE DATA COLLECTED:
DATA STORAGE MEDIA :
REFERENCES :

CHEMICALS AND SUBSTRATES: ETU CAS #:96-45-7
WATER
BIS(TRICHLOROMETHYL) SULPHONE CAS #:
WATER

SUBSTRATE BREAKDOWN : STREAM
: SURFACE
: SEDIMENT
: RESIDUES
: RUNOFF

PROJECT SUMMARY :

This project was undertaken to determine the extent of environmental

contamination by residues of parent compounds or metabolites of bis(trichloromethyl) sulphone and ethylene thiourea (ETU). These chemicals are two of the most extensively used pulp mill slimicide products in the region.

Dithiocarbamate compounds, whose major metabolite is ETU comprise over 50% of the slimicide active ingredient in use, with the other products containing the bis(trichloromethyl) sulphones. At two plants where these products are used, water and sediment were collected at various distances from outfalls, up to a distance of two kilometers from the plants. No confirmed bis(trichloromethyl) sulfone residues were found in the samples. ETU was detected in approximately 10% of the sediment and 25% of the water samples obtained in the area of the plant using this product. Detectable ETU sediment concentrations ranged from 5-18 ug/kg, while detectable water concentrations were all near the analytical detection limit of 5.0 ug/l. These concentrations do not constitute an environmental threat in themselves, but may act in concert with other pollutants to degrade the environment.

PROJECT NAME : PRIORITY POLLUTANT MONITORING-HAWAII
PROJECT CODE NUMBER : 126
SPONSORING ORGANIZATION : HAWAII DEPARTMENT OF HEALTH
: US ENVIRONMENTAL PROTECTION AGENCY
EPA REGION : 09,

PROJECT OFFICER 1 : EUGENE AKAZAWA
TITLE : SUPERVISOR
ADDRESS : CONTROL SECTION II
: HAWAII DEPT. OF HEALTH
: P.O. BOX 3378
CITY, STATE, ZIP : HONOLULU, HI, 96801-9984
PHONE NUMBER : 808-548-6355
FTS PHONE NUMBER :
REVISION DATE : 10/19/87

STARTING DATE : 10/01/86
ENDING DATE : 09/30/87
ONGOING PROJECT : N

MONITORING STATE 1 : HI CITY: COUNTY: OAHU
MONITORING STATE 2 : HI CITY: COUNTY: OAHU
MONITORING STATE 3 : HI CITY: COUNTY: OAHU
MONITORING STATE 4 : HI CITY: COUNTY: OAHU
MONITORING STATE 5 : HI CITY: PEARL HARBOR COUNTY: OAHU
MONITORING STATE 6 : HI CITY: PEARL HARBOR COUNTY: OAHU
MONITORING STATE 7 : HI CITY: HILO COUNTY: HAWAII
MONITORING STATE 8 : HI CITY: HILO COUNTY: HAWAII
MONITORING STATE 9 : HI CITY: HILO COUNTY: HAWAII
MONITORING STATE 10 : HI CITY: HILO COUNTY: HAWAII
MONITORING STATE 11 : HI CITY: COUNTY: OAHU
MONITORING STATE 12 : HI CITY: COUNTY: OAHU
MONITORING STATE 13 : HI CITY: COUNTY: OAHU
MONITORING STATE 14 : HI CITY: COUNTY: OAHU

BODY OF WATER : KAHANA BAY
: KANEOHE BAY
: WEST LOCH, PEARL HARBOR
: WAIAKEA MILL POND
: HILO BAY
: ALA WAI CANAL
: KEEHI LAGOON
SAMPLING FREQUENCY : INTERMITTENLY
QA/QC (FIELD SAMPLING) :
QA/QC (LAB ANALYSIS) :
STANDARD METHOD REF. :
USE/USAGE DATA COLLECTED: Y
DATA STORAGE MEDIA : STORET
REFERENCES :

CHEMICALS AND SUBSTRATES: ZINC CAS #:7440-66-6
WATER

ANIMAL TISSUE/FLUID
FOOD
SILVER CAS #:7740-22-4
WATER
FOOD
ANIMAL TISSUE/FLUID
SODIUM CAS #:
WATER
FOOD
ANIMAL TISSUE/FLUID
ALUMINUM CAS #:7429-90-5
WATER
FOOD
ANIMAL TISSUE/FLUID
MOLYBDENUM CAS #:
WATER
FOOD
ANIMAL TISSUE/FLUID
VANADIUM CAS #:
WATER
FOOD
ANIMAL TISSUE/FLUID
DIBROMOMETHANE CAS #:106-93-4
WATER
FOOD
ANIMAL TISSUE/FLUID
CHLORINE CAS #:7782-50-5
WATER
FOOD
ANIMAL TISSUE/FLUID
HYPOCHLORITE ION CAS #:
WATER
FOOD
ANIMAL TISSUE/FLUID
CHLORINE DIOXIDE CAS #:10049-04-4
WATER
FOOD
ANIMAL TISSUE/FLUID
CHLORIDE CAS #:
WATER
FOOD
ANIMAL TISSUE/FLUID
CHLORAMINE CAS #:
WATER
FOOD
ANIMAL TISSUE/FLUID
AMMONIA CAS #:7664-41-7
WATER
FOOD
ANIMAL TISSUE/FLUID
CHLOROFORM CAS #:67-66-3
WATER

FOOD
ANIMAL TISSUE/FLUID
DIBROMOCHLOROMETHANE CAS #:124-48-1
WATER
FOOD
ANIMAL TISSUE/FLUID
BROMOCHLOROMETHANE CAS #:75-27-4
WATER
FOOD
ANIMAL TISSUE/FLUID
BROMOFORM CAS #:75-25-2
WATER
FOOD
ANIMAL TISSUE/FLUID
CHLOROPHENOL CAS #:
WATER
FOOD
ANIMAL TISSUE/FLUID
CHLOROPICRIN CAS #:76-06-2
WATER
FOOD
ANIMAL TISSUE/FLUID
2,4-DINITROTOLUNE CAS #:
WATER
FOOD
ANIMAL TISSUE/FLUID
1,3-DICHLOROPROPANE CAS #:78-87=5
WATER
FOOD
ANIMAL TISSUE/FLUID
BROMOBENZENE CAS #:
WATER
FOOD
ANIMAL TISSUE/FLUID
1,2,3-TRICHLOROPROPANE CAS #:
WATER
FOOD
ANIMAL TISSUE/FLUID
1,1,2,2-TETRACHLOROETHANE CAS #:79-34-5
WATER
FOOD
ANIMAL TISSUE/FLUID
CHLOROETHANE CAS #:
WATER
FOOD
ANIMAL TISSUE/FLUID
2,2-DICHLOROPROPANE CAS #:
WATER
FOOD
ANIMAL TISSUE/FLUID
CHLOROTOLUENE CAS #:
WATER

FOOD
ANIMAL TISSUE/FLUID
HEXACHLOROBENZENE CAS #:118-74-1
WATER
FOOD
ANIMAL TISSUE/FLUID
HEXACHLOROETHANE CAS #:309-00-2
WATER
FOOD
ANIMAL TISSUE/FLUID
HEXACHLOROBUTADIENE CAS #:87-68-3
WATER
FOOD
ANIMAL TISSUE/FLUID
1,1-DICHLOROPROPENE CAS #:
WATER
FOOD
ANIMAL TISSUE/FLUID
2,4,5-T CAS #:67485-29-4
WATER
FOOD
ANIMAL TISSUE/FLUID
ISOPHORONE CAS #:78-59-1
WATER
FOOD
ANIMAL TISSUE/FLUID
ETU CAS #:96-45-7
WATER
FOOD
ANIMAL TISSUE/FLUID
BORON CAS #:
WATER
FOOD
ANIMAL TISSUE/FLUID
STRONTIUM CAS #:
WATER
FOOD
ANIMAL TISSUE/FLUID

SUBSTRATE BREAKDOWN : AMBIENT
: BOTTOM MATERIAL
: SURFACE
: ESTUARY/BAY
: GRAB SAMPLES
: FISH
: MOLLUSK
: EDIBLE AQUATIC SPE
: SEDIMENT
: SHELL FISH

PROJECT SUMMARY :

The state's toxic monitoring program began in 1977 as part of a state-wide assessment on toxic substances in the coastal environment. Nearshore fish and marine bottom sediments were collected from selected estuaries to evaluate trends and determine sites that may be considered as 'hot spot' areas. Monitoring is done regularly on an annual basis in such areas as the Ala Wai Canal and other parts of the state. A major part of the program covers priority pollutants, a joint effort between the state and EPA on priority pollutants monitoring. The state collects water, sediment and fish or shellfish from sites having a high potential for toxics contamination, as well as in areas with recreational importance to the state. Many of the pollutants are not detectable in the water column or biota, and pollutants found thus far are confined mainly to bottom sediments. Among the areas that are monitored for priority pollutants are Pearl Harbor, Keehi Lagoon, Kaneohe Bay, and Hilo Bay.

Report of the RESTRICTED USE PRODUCT File for Search :
WITH REVISION DATE AFTER 4/30/90

CURRENT DATE : 12/13/90

EPA CODE :080803
CHEMICAL :ATRAZINE
CAS NUMBER :1612-24-9
PRODUCTION DATE :09/01/90
CHANNEL OF TRADE :

REVISION DATE :10/01/90
PM :25

CRITERIA

Ground water contamination potential and worker exposure concerns.

EPA ACTIONS

1. Registation Action
2. Voluntarily restricted by five producers of technicls
3. Effective: 1/23/90

FORMULATION

All manufacturing & end use Herbicide formulations (amino)-s-triazine

USE

Agricultural and/or Industrial (home use exempted from restrictions

EPA REG. NO.	STATUS	PRODUCT NAME
100-475		Atratol 4G
100-475		Atratol 8P Pelleted Herbicide
100-479		Aatrex 4L Herbicide
100-503		Atratol 80W Herbicide
100-535		Aatrex 4LC
100-590		BICEP Herbicide
100-622		Atratol 90
100-623		BICEP 4.5L Herbicide
100-623		BICEP 4.5L Herbicide
100-645		BICEP 6L Herbicide
241-302		Prozine 70 DF
264-477		Buctrill + Atrazine Herbicide
352-489		Bladex / Atrazine 4L
352-490		Shell Atrazine 4 Herbicide
352-490		Atrazine 4L Herbicide
352-497		Extrazine 90 DF Herbicide
352-498		Extrazine 110DF Herbicide
352-500		Dupont "Extrazine" II 4L
352-501		Extrazine 210DF Herbicide
524-328		Ramrod and Atrazine Flowable
524-328		Ramrod and Atrizine Flowable
524-329		Lasso and Atrazine Flowable
524-418		Bullet Herbicide
524-423		Ramrod + Atrazine FG Herbicide
524-423		Ramrod + Atrazine FG Herbicide

CURRENT DATE : 12/13/90
EPA CODE :080803 CHEMICAL :ATRAZINE

1990-381	CO-OP Liquid Atrizine
2749-485	Atrazine 90 Water Dispersible Granular Herbicide
5481-239	Alco Printrex 2-5G
5905-470	Atrazine 4L
7969-54	BASF Laddok Postemergence Flowable Herbicide
9779-253	Riverside Atrizine 90 DF
9779-254	Riverside Atrazine 80W
10182-121	Colonel Herbicide
10182-201	Sutazine + 18 - 6G Selective Herbicide
10182-245	Sutan + Atrazine 4.4F Selective Herbicide
10182-245	Sutan + /Atrazine 4.4F Selective Herbicide
10182-247	Sutazine + 6.25 ME Selective Herbicide
10182-247	LC-6641 Selective Herbicide-Flowable
10182-248	Sutazine + Selective Herbicide
11773-1	Cornbelt Atrazine 4L
11773-13	Cornbelt Atrizine 90 DF
19713-6	Drexel Atrazine 80 Herbicide
19713-11	Drexel Atrazine 4L Herbicide
19713-76	Drexel Atrazine 90 DF
19713-79	Drexel Atrazine Plus Linuron Weed Killer
19713-80	Drexel Atrazine 5L
33660-26	Atrazine 4L
34704-490	Atrizine 80 WP
34704-622	Clean Crop Atrazine 90 WDG Herbicide
35915-3	Oxon Italia Atrazine 90 Herbicide
35915-5	IDA, Inc. Atrazine 5L Herbicide
35915-7	Marzone Brand of Atrazine 80W Herbicide
45115-68	Ida's Atrazine 4 Flowable
45115-71	Ida Inc. Atrazine 90

Report of the RESTRICTED USE PRODUCT File for Search :
WITH REVISION DATE AFTER 4/30/90

CURRENT DATE : 12/13/90

EPA CODE :058001
CHEMICAL :AZINPHOS-METHYL
CAS NUMBER :86-50-0
PRODUCTION DATE :06/09/78
CHANNEL OF TRADE :11/09/78

REVISION DATE :05/01/90
PM :12

CRITERIA

Human Inhalation Hazard, Acute Toxicity, Hazard to Avian, Aquatic & Mammalian Species

EPA ACTIONS

1. Registration Standard (9/11/86)
2. 40 CFR 162.31 (FR 2/9/78)
3. now cited as 40 CFR 152.170 (53 F 15986, May 4, 1988)

FORMULATION

All Liquids with a Concentration Greater than 13.5%. All other formulations on a case-by-case basis

USE

All uses

EPA REG. NO.	STATUS	PRODUCT NAME
269-263		Azimphosmethyl 50 W Crop Insecticide
283-301		Guthion 50% Wettable Powder Crop Insecticide
769-439		Security Dutox Cotton Spray
802-310		Miller's G-THION 2D
1258-1039	CANCELLED	Olin Guthion-Methyl Parathion 3/4 lb.-3 Emulsifiable
2749-235		Azinphosmethyl LC Concentrated Insecticide
2749-263		Azinphos Methyl 50(W)
3125-102		Guthion 2L
3125-123		Guthion 2S
3125-179	CANCELLED	Guthion M-E 4 Concentrate
3125-185	CANCELLED	Guthion Alfalfa Insecticide
3125-187	CANCELLED	Guthion U-L-V Spray Insecticide
3125-194	CANCELLED	Guthion Sugarcane Insecticide
3125-271	CANCELLED	Guthion Plus Methyl Parathion Spray Concentrate
3125-338		Guthion 3 Flowable Insecticide
3342-72	CANCELLED	Tiger Brand Death Blow Tobacco Spray
4185-459	CANCELLED	Guthion Parathion
5481-276		Royal Brand Beetle Buster
5905-203	CANCELLED	Helena Liquidator Emulsifiable Insecticide Concentrate

Report of the RESTRICTED USE PRODUCT File for Search :
WITH REVISION DATE AFTER 4/30/90

CURRENT DATE : 12/13/90
EPA CODE :058001 CHEMICAL :AZINPHOS-METHYL

5905-247	CANCELLED	Helena Brand 3/4-3 Emul. Insecticide Concentrate
5905-358	CANCELLED	Helena Hel-Chem 161 Emulsifiable Liquid
8934-77	CANCELLED	Ring Around Brand Ko-Thion
9779-26		Riverside Parathion 4
9779-191	CANCELLED	Riverside Looper-X
9859-270	CANCELLED	Lanco Azinphos Methyl 2 EC
10163-78		Gowan Azinphos-Methyl 50 WP
10163-78		Azinphos Methyl Gowen WP
10163-80		Gowan Azinphos-M2 EC
10163-119		Prokil Azinphos-M
34704-20		Clean Crop Methyl Plus Spray Concentrate
42761-82	CANCELLED	Guthion Parathion .25-1
44317-25	CANCELLED	Three-Quarter-Three EC Cotton Insecticide
46077-8		Azinphos Methyl 2 EC
51036-76		Azinphos Methyl 2EC
51036-130		Azinphosmethyl 35W

REPORT OF THE PRODUCT MANAGER FILE DATE 06/02/92

PRODUCT MANAGER NUMBER : 10

NAME : RICHARD MOUNTFORT
BRANCH : INSECTICIDE-RODENTICIDE

ADDRESS : 401 M STREET, SW
WASHINGTON, DC 20460
LOCATION:
CRYSTAL MALL 2, ROOM 208
1921 JEFFERSON DAVIS HWY
ARLINGTON, VA
PHONE : 703-305-6502

==========

PRODUCT MANAGER NUMBER : 13

NAME : GEORGE LAROCCA
BRANCH : INSECTICIDE-RODENTICIDE

ADDRESS : REGISTRATION DIVISION (H7505C)
401 M ST, SW
WASHINGTON, DC 20460
LOCATION:
CRYSTAL MALL 2, ROOM 202
1921 JEFFERSON DAVIS HWY
ARLINGTON, VA
PHONE : 703-305-6100

==========

PRODUCT MANAGER NUMBER : 14

NAME : ROB FORREST
BRANCH : INSECTICIDE-RODENTICIDE

ADDRESS : REGISTRATION DIVISION (H7505C)
401 M ST, SW
WASHINGTON, DC 20460
LOCATION:
CRYSTAL MALL 2, ROOM 211
1921 JEFFERSON DAVIS HWY
ARLINGTON, VA
PHONE : 703-305-6600

PRODUCT MANAGER NUMBER : 18

NAME : PHIL HUTTON
BRANCH : INSECTICIDE-RODENTICIDE

ADDRESS : REGISTRATION DIVISION (H7505C)
401 M ST, SW
WASHINGTON, DC 20460
LOCATION:
CRYSTAL MALL 2, ROOM 213
1921 JEFFERSON DAVIS HWY
ARLINGTON, VA
PHONE : 703-305-7690

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PRODUCT MANAGER NUMBER : 19

NAME : DENNIS EDWARDS
BRANCH : INSECTICIDE-RODENTICIDE

ADDRESS : REGISTRATION DIVISION (H7505C)
401 M ST, SW
WASHINGTON, DC 20460
LOCATION:
CRYSTAL MALL 2, ROOM 207
1921 JEFFERSON DAVIS HWY
ARLINGTON, VA
PHONE : 703-305-6386

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PRODUCT MANAGER NUMBER : 21

NAME : SUSAN T. LEWIS
BRANCH : FUNGICIDE-HERBICIDE

ADDRESS : REGISTRATION DIVISION (H7505C)
401 M ST, SW
WASHINGTON, DC 20460
LOCATION:
CRYSTAL MALL 2, ROOM 227
1921 JEFFERSON DAVIS HWY
ARLINGTON, VA
PHONE : 703-305-6900

PRODUCT MANAGER NUMBER : 22

NAME : CYNTHIA GILES-PARKER
BRANCH : FUNGICIDE-HERBICIDE

ADDRESS : REGISTRATION DIVISION
401 M ST, SW
WASHINGTON, DC 20460
LOCATION:
CRYSTAL MALL 2, ROOM 229
1921 JEFFERSON DAVIS HWY
ARLINGTON, VA
PHONE : 703-305-5540

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PRODUCT MANAGER NUMBER : 23

NAME : JOANNE MILLER
BRANCH : FUNGICIDE-HERBICIDE

ADDRESS : REGISTRATION DIVISION (H7505C)
401 M ST, SW
WASHINGTON, DC 20460
LOCATION:
CRYSTAL MALL 2, ROOM 237
1921 JEFFERSON DAVIS HWY
ARLINGTON, VA
PHONE : 703-305-7830

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PRODUCT MANAGER NUMBER : 25

NAME : ROBERT TAYLOR
BRANCH : FUNGICIDE-HERBICIDE

ADDRESS : REGISTRATION DIVISION (H7505C)
401 M ST, SW
WASHINGTON, DC 20460
LOCATION:
CRYSTAL MALL 2, ROOM 241
1921 JEFFERSON DAVIS HWY
ARLINGTON, VA
PHONE : 703-305-6800

PRODUCT MANAGER NUMBER : 31

NAME : JOHN LEE
BRANCH : ANTIMICROBIAL

ADDRESS : REGISTRATION DIVISION (H7505C)
401 M ST, SW
WASHINGTON, DC 20460
LOCATION:
CRYSTAL MALL 2, ROOM 258
1921 JEFFERSON DAVIS HWY
ARLINGTON, VA
PHONE : 703-305-5675

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PRODUCT MANAGER NUMBER : 32

NAME : RUTH DOUGLAS, ACTING
BRANCH : ANTIMICROBIAL

ADDRESS : REGISTRATION DIVISION (H7505C
401 M ST, SW
WASHINGTON, DC 20460
LOCATION:
CRYSTAL MALL 2, ROOM 267
1921 JEFFERSON DAVIS HWY
ARLINGTON, VA
PHONE : 703-305-5842