Overview of EPA’s System of Registries

Michael Pendleton
Office of Environmental Information
12th International Emission Inventory Conference
April 29, 2003
EPA Registries

**Business Object Registries**
- Substance Registry System
- Facility Registry System

**Metadata Registries**
- Information Resources Registry System
- Environmental Data Registry
- Terminology Reference System
- Environmental Information Management System
- XML Registry for the Exchange Network
Substance Registry System (SRS)
www.epa.gov/srs/
The Substance Registry System (SRS) provides information on substances and how they are represented in the Environmental Protection Agency (EPA) regulations and information systems.

Using the search below, you can query for substances by common identifiers, names, or alternate identifiers. Additional search capabilities are available on the Search page.
**Substance List**

Name: benzene (Exact Match)  
Molecular Formula: [No Criteria Specified]  
Type: All  
Classification: All

**Display Option:** Substance Name  
**Sort Option:** Name

Click on the linked name to view detailed information about the substance.

**Note:** The search criteria may exist in synonyms, former CAS Numbers, or other information found on the detailed substance report.

A Substance Comparison Matrix permits side-by-side review of selected substances. To select substances for comparison, check the Compare box. The Substance Comparison Matrix will be shown in a new window. Pause between selections to allow the system to process your request and post to the updated matrix. The Substance Comparison Matrix retains selected items 1) until the Clear All button is selected or 2) the system clears the report at the end of the day. The contents of a Substance Comparison Matrix are available for Download by selecting the Download button in the matrix window.

After selection of substances for the Substance Comparison Matrix, an Information Resources Comparison Matrix Report may be created. The Information Resources Comparison Matrix Report contains information about the substances and the information resources in which they appear. Instructions for generation of this report are given in the Comparison Matrix window.

To go to a particular item in a list, enter the list item number into the Go to Record box and select the Jump button. The list will redraw with the selected item at the top of the list. If the list item number entered is outside the current list range, nothing will be displayed.

<table>
<thead>
<tr>
<th>Systematic Name</th>
<th>EPA Registry Name</th>
<th>Classification</th>
<th>CAS Number</th>
<th>TSN ICTV EPA ID</th>
<th>Compare?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene</td>
<td>Benzene</td>
<td>Chemical</td>
<td>71-43-2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Benzene

**EPA Source Name:** ChemIDStd  
**Systematic Name:** Benzene  
**Systematic Source Name:** CAS-9CI  
**CAS Number:** 71-43-2  
**Classification:** Chemical  
**Molecular Formula:** C6H6  
**Molecular Weight:** 78.11

**Other Numbers**  
174973-66-1 (CAS Registry Former CAS Number) 54682-86-9 (CAS Registry Former CAS Number)

**Synonyms**

<table>
<thead>
<tr>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene</td>
</tr>
<tr>
<td>Benzol</td>
</tr>
<tr>
<td>Cyclohexatriene</td>
</tr>
<tr>
<td>Benzole</td>
</tr>
<tr>
<td>Benzene (volatile analysis)</td>
</tr>
<tr>
<td>Benzene, dissolved</td>
</tr>
<tr>
<td>Benzene, dry weight</td>
</tr>
</tbody>
</table>
EPA: Substance: - Microsoft Internet Explorer

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Substance</th>
<th>CAS Number</th>
<th>Relationship</th>
</tr>
</thead>
<tbody>
<tr>
<td>CWA 304B</td>
<td>Organic pesticide chemicals -- CWA 304B</td>
<td>No CAS Number</td>
<td>Group</td>
</tr>
<tr>
<td>RCRA Appendix VII</td>
<td>VacuumStripper discharge from the chlor dane chlorinator in the production of chlor dane.</td>
<td>No CAS Number</td>
<td>Group</td>
</tr>
</tbody>
</table>

Related Links

The following list includes links related to the selected metadata item. A link may lead to resources within the SRS, to another site within EPA, or go to a site outside EPA. A link may be another Web site or a document. For additional information on links to external Web sites, see SoR Disclaimer. Additional information about the source of the Related Links can be found by clicking on the acronym or by selecting Help from the left-hand menu.
National Emission Inventory of Hazardous Air Pollutants

Acronym: NEI-HAP
Type: Data System

Abstract: The Emission Factors and Inventory Group (EFIG) of the EPA maintains a National Emission Inventory (NEI) that characterizes emissions of criteria and hazardous air pollutants. Criteria air pollutants are those which an ambient standard, objective, or guideline has been established to protect human health and welfare. National ambient standards are in place for ozone, carbon monoxide, nitrogen oxides, sulfur oxides, lead, and fine particulate matter. Hazardous air pollutants (HAPS) are defined in Section 112(b) of the 1990 Clean Air Act Amendments.

Associated Substances

Select the sort order for display of substance names from this source by clicking on the appropriate link. Substances can be sorted by the substance name or by the CAS Number.

Substance Name CAS Number

Related Information Resources

The following list includes name, acronym, and type of information resource for the selected metadata item.

None

Contact
National Emission Inventory of Hazardous Air Pollutants

Click on the linked name to view detailed information about the substance.

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Go to Record: [ ] Jump

<table>
<thead>
<tr>
<th>Name</th>
<th>Classification</th>
<th>CAS Number</th>
<th>TSN</th>
<th>ICTV</th>
<th>EPA ID</th>
<th>Alternate ID</th>
<th>Status</th>
<th>Comment</th>
<th>Compare?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acenaphthene</td>
<td>Chemical</td>
<td>83-32-9</td>
<td></td>
<td></td>
<td></td>
<td>View</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acenaphthylene</td>
<td>Chemical</td>
<td>208-96-8</td>
<td></td>
<td></td>
<td></td>
<td>View</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetaldehyde</td>
<td>Chemical</td>
<td>75-07-0</td>
<td></td>
<td></td>
<td></td>
<td>View</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetamide</td>
<td>Chemical</td>
<td>60-35-5</td>
<td></td>
<td></td>
<td></td>
<td>View</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Information Resource Registry System
(www.epa.gov/irrs/)
IRRS - Purpose

- IRRS forms the basis for physical or virtual linkages among EPA metadata collections.
- Application system records stored in the IRRS can link to:
  - Data elements in the EDR
  - Substances in the SRS
  - Keywords in the TRS
  - Data sets in EIMS
  - Data model for the system in the Enterprise Architecture Repository
- IRRS is integral to EPA’s Enterprise Architecture effort.
IRRS - Features and Functions

- Uniquely identify the EPA’s diverse information resources - computer application systems, Web sites, databases, and data models
- Supports EPA's metadata vision to:
  - Create/store metadata in as few places as possible
  - Improve the quality and consistency of metadata
  - Provide a central point of access to the complete collection of all Agency information resources metadata
- Business rules are being developed to further populate the database
The following searches are available:

- **Application Inventory Search** - queries data systems by beginning letter/number, keyword, application type and status, system characteristics, system platform, or system interface.
- **Information Resource Search** - queries data systems and other information resources by beginning letter/number, keyword, or information resource type.
- **Organization Search** - queries organizations by name or acronym.
- **Contact Search** - queries information resource contacts by either first or last name.
- **Environmental Metadata Gateway** - enables users to search the metadata registries using a URL with integrated search capabilities.

Fully populated records have been added for demonstration purposes and include Risk Management Plans Information (RMP*Info), Storage and Retrieval for Water Quality Data (STORET), Safe Drinking Water Information System/Federal Version (SDWIS/FED), and the Environmental Data Registry (EDR).

### Application Inventory Search

Click on a letter/number below to retrieve a list of data systems beginning with that letter/number

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9 0

Enter keyword (e.g., air) or text string (e.g., Clean Air Act) in keyword field. The search will query all text fields (e.g., name, acronym, abstract, etc.) and results will be limited to data systems.

**Keyword:**

**Search Options:**  
- Containing  
- Beginning With  
- Exact Match

EPA Organization
Information Resource Registry System

Storage and Retrieval for Water Quality Data

General: Acronym: STORET
Type: Data System
Resource: 1.1
Version:

Abstract: STORET is an information management system housing data gathered as a result of ambient monitoring events performed at over 800,000 sites throughout the United States. The data are used in support of the Resource Conservation and Recovery Act and 305(b) of the Toxic Substances Control Act reporting requirements and for trend analysis. Both ground water and surface water information are contained in the system. The data are supplied by state, tribal, and federal agencies. STORET contains information on the chemical, physical, and biological quality of the sampled water.

Purpose: STORET was developed to provide managers and analysts a tool with which to evaluate the condition of U.S. waters and to enable them to perform trend analyses.

Origin: Data are supplied by state, tribal, and federal agencies.

Physical Location:

Contract: MOSES

Keyword: STORET, ambient monitoring, RCRA, TSCA, water sampling, trend analysis

Application Type and Status: Resource Level: Major Agency Information System
Resource Type: National
Resource User Type: External
Resource Classification: Database
Resource Status: Operational

System

Data Source: Federal, state and local agencies, tribes, and other interested parties.
System Platform: Type
Personal Computer

Operating System
Windows 2000, Windows 95

Development Tool
COOLGen, Oracle C++

Application Software
Oracle8i

Computer Type
Personal Computer

System Interface: Type
Input

Data Format
Text File

Source
Import of text files provided by external users.

Frequency
Weekly, or more frequently if needed.

Output
Downloadable File

Web site queries only. Print the web page. Preformatted download file available.

TOPO: Robert King, EPA/OW/Office of Wetlands, Oceans, and Watersheds

Components:
Data Elements, Database Tables (EDR)
Biological Organisms, Chemicals, Miscellaneous Objects, Physical Properties (SRS)

Related Links
The following list includes links related to the selected metadata item. A link may lead to resources within the IRRS, to another site within EPA, or go to a site outside EPA. A link may be another Web site or a document. For additional information on links to external Web sites, see SoR Disclaimer.

Storage and Retrieval for Water Quality Data

Download

This section allows you to dynamically create a download file of the above information.
National Emissions Inventory Database

General: Acronym: NEI
Type: Data System
Abstract: The NEI is a system for standardizing and accepting State/Local/Tribal air emission inventory information through Central Data Exchange (CDX), merging it with other information to fill gaps and/or substitute higher quality data, hold the data in an Oracle platform, and output it in several formats and through several existing channels using existing infrastructure to meet various needs of users.

System: Lifecycle Stage: Operation and Maintenance
Characteristics:

CPIC Preparer: David Misenheimer EPA/OAR/OAQPS/Emissions, Monitoring, and Analysis Division
Submitter: EPA/OAR/OAQPS/Emissions, Monitoring, and Analysis Division

Related Links

The following list includes links related to the selected metadata item. A link may lead to resources within the IRRS, to another site within EPA, or go to a site outside EPA. A link may be another Web site or a document. For additional information on links to external Web sites, see SoR Disclaimer.

None

Download
Environmental Data Registry

www.epa.gov/edr/
EDR - Features and Functions

- Structure follows an international standard
- Records metadata in one place in one way
- Currently contains 9,751 standardized and application data elements from 1,419 different information resources
Storage and Retrieval for Water Quality Data

Identifier: 1-19910:1
Type: Data System
Acronym: STORET
Version: 1.1

Abstract: STORET is an information management system housing data gathered as a result of ambient monitoring events performed at over 800,000 sites throughout the United States. The data are used in support of the Resource Conservation and Recovery Act and 305(b) of the Toxic Substances Control Act reporting requirements and for trend analysis. Both ground water and surface water information are contained in the system. The data are supplied by state, tribal, and federal agencies. STORET contains information on the chemical, physical, and biological quality of the sampled water.

Purpose: STORET was developed to provide managers and analysts a tool with which to evaluate the condition of U.S. waters and to enable them to perform trend analyses.

Source Text: Federal, state and local agencies, tribes, and other interested parties.
Source: Data are supplied by federal, state and local agencies, tribes, and other interested parties.
Explanation: Data are supplied by state, tribal, and federal agencies.

TOPO: Robert King, EPA/OW/Office of Wetlands, Oceans, and Watersheds
Components: Data Elements, Database Tables
Related Links
Storage and Retrieval for Water Quality Data: Data Element List

Click on a name to obtain detailed information. The optionality applies to usage in the information source (the optionality given in EPA Data Standards applies only to EPA application systems).

Select/deselect the Compare box to include/remove as many data elements in your Comparison Matrix as desired. Pause between selections to allow the system to process your request and post it to the matrix. Each selection will launch/refresh the Data Element Comparison Matrix window of your browser. The matrix window can be minimized to allow you to return to the Data Element List page and select additional data elements.

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Go to Record: [ ] Jump

<table>
<thead>
<tr>
<th>Name</th>
<th>Definition</th>
<th>Type</th>
<th>Status</th>
<th>Compare?</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACRONYM</td>
<td>The abbreviation or acronym by which this scheme is commonly known.</td>
<td>Alphabetic (8)</td>
<td>Application Data Element/No Further Action</td>
<td>□</td>
</tr>
<tr>
<td>1-22727:1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACTIVE INDICATOR</td>
<td>The code that indicates if the person is active in the organization.</td>
<td>Alphabetic (1)</td>
<td>Application Data Element/No Further Action</td>
<td>□</td>
</tr>
<tr>
<td>CCDE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-22883:1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACTIVITY DATE</td>
<td>The date in which the location submitted this organization for replication to the central database.</td>
<td>Date (8)</td>
<td>Application Data Element/No Further Action</td>
<td>□</td>
</tr>
<tr>
<td>1-23041:1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Code Sets

Code Sets contain permissible values, value meaning names, and value meaning definitions that can be used in applications. The Code Sets below have values associated with EPA Data Standards, with national/international standards, or contain lists of values commonly used by EPA programs. When a Code Set is selected, please review the information provided, including the example list of values, to determine if the set will meet your data needs before selecting download and specifying the format of the file to download.

## Quick Reference

<table>
<thead>
<tr>
<th>Code Sets Related to EPA Data Standards</th>
<th>Other Code Sets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coordinate Data Source Codes</td>
<td>Vertical Collection Method Names</td>
</tr>
<tr>
<td>Coordinate Data Source Names</td>
<td>Vertical Reference Datum Codes</td>
</tr>
<tr>
<td>Country Names</td>
<td>Vertical Reference Datum Names</td>
</tr>
<tr>
<td>County and State FIPS Codes</td>
<td>Counties of the United States</td>
</tr>
<tr>
<td>County Names</td>
<td>Countries of the World</td>
</tr>
<tr>
<td>Environmental Information System Abbreviated Names</td>
<td>FIPS Codes for Provinces and States of Canada and Mexico</td>
</tr>
<tr>
<td>Geometric Type Codes</td>
<td>Postal Codes of the United States and Canada</td>
</tr>
<tr>
<td>Geometric Type Names</td>
<td>State FIPS Codes of the United States</td>
</tr>
<tr>
<td>Horizontal Collection Method Codes</td>
<td>US Postal Service State Abbreviations</td>
</tr>
<tr>
<td>Horizontal Collection Method Names</td>
<td>Hydrologic Unit Codes</td>
</tr>
<tr>
<td>Horizontal Reference Datum Codes</td>
<td>Metropolitan Statistical Areas</td>
</tr>
<tr>
<td>Horizontal Reference Datum Names</td>
<td>North American Industry Classification System (NAICS) Codes</td>
</tr>
<tr>
<td>NAICS Primary Indicators</td>
<td>North American U.S. National Industry Classification System (NAICS) Codes</td>
</tr>
<tr>
<td>North American U.S. National Industry Classification System (NAICS) Codes</td>
<td>Program System Names</td>
</tr>
<tr>
<td>Program System Names</td>
<td>Reference Point Codes</td>
</tr>
<tr>
<td>Reference Point Names</td>
<td>Reference Point Names</td>
</tr>
<tr>
<td>SIC Primary Indicators</td>
<td>Standard Industrial Classification (SIC) Codes</td>
</tr>
<tr>
<td>Standard Industrial Classification (SIC) Codes</td>
<td>State Codes</td>
</tr>
<tr>
<td>Units of Measure</td>
<td></td>
</tr>
</tbody>
</table>
### Permissible Value and Value Meaning

The following section shows a sample list of up to 20 permissible values. To view the entire list (if applicable) select a date range or download the permissible values. To download the permissible value information please go to the [Download](#) section.

**Select Date Range:** [All] dropdown

#### Permissible Value | Value Meaning | Begin Date | End Date
---|---|---|---
AB | The Canadian province of Alberta | 10/01/96
AGS | The Mexican state of Aguascalientes | 10/01/02
AK | The state of Alaska | 10/01/96
AL | The state of Alabama | 10/01/96
AR | The state of Arkansas | 10/01/96
AS | The territory of American Samoa | 10/01/96
AZ | The state of Arizona | 10/01/96
BC | The Mexican state of Baja California | 10/01/02
BC | The Canadian province of British Columbia | 10/01/96
BCS | The Mexican state of Baja California Sur | 10/01/02
CA | The state of California | 10/01/96
CAM | The Mexican state of Campeche | 10/01/02
CHIH | The Mexican state of Chihuahua | 10/01/02
CHIS | The Mexican state of Chiapas | 10/01/02
CO | The state of Colorado | 11/05/97
COAH | The Mexican state of Coahuila de Zaragoza | 10/01/02
COL | The Mexican state of Colima | 10/01/02
CT | The state of Connecticut | 10/01/96
The Environmental Data Registry (EDR) is a program of the U.S. Environmental Protection Agency (EPA) that aims to promote the efficient sharing of environmental information among EPA, states, tribes, and other information partners through the cooperative development of data standards. In partnership with the Environmental Data Standards Council (EDSC), the EPA is developing data standards for environmental information collection and exchange. The use of common data standards among partners will foster consistently defined and formatted data elements and sets of data values, and provide public access to more meaningful data. The data standards are developed by EDSC sponsored action teams that include members representing states, tribes, and federal agencies. All proposed data standards are submitted for public review before adoption by the EDSC and the EPA. The links below enable users to quickly access key components of final EPA standards and standards under development. Data standards being adopted by the EDSC can be found at www.epa.gov/edsc/.

EPA Final Standards

The following data standards have been adopted by the EPA for use by Agency program offices. Specific usage and implementation instructions can be found in the EPA Business Rules associated with each final data standard. For each data standard there are data element lists and related standard documents such as EPA Business Rules and implementation fact sheets describing how a data standard is to be used by Agency programs. Data standards, EPA business rules, and data elements are available for viewing and downloading in several file formats. The final standards and associated documents are also available in zipped, preformatted file formats for easy download and use.
EDSC Data Standards

Data Standards are documented agreements on representations, formats, and definitions of common data.

Data standards improve the quality and shareability of environmental data by:

- Increasing data compatibility
- Improving the consistency and efficiency of data collection
- Reducing data redundancy

The role of data standards as the means of data exchange among organizations and the implications of using standards is discussed in Data Standards - A Voluntary Medium to Facilitate Data Exchange.

Approved Data Standards

Data Standards Under Development

Data Standards Documents

Data Standards Creation and Review

Data standards, which improve environmental data sharing across State, Tribal, and EPA systems, are developed when there is an environmental management business reason.
Welcome to the interim XML Registry for the Environmental Information Exchange Network. This Registry will provide the capability to share information about XML Data Exchange Template (DETs), XML Schemas, Namespaces, WSDL files, and other supporting files needed to map data flows between partners. The Registry will contain information about schemas approved for use on the Network, as well as information about schemas under development. In time, the XML Registry will provide a clearinghouse for information related to data flows on the Network.

Data Submission

Registration of new schema information in the interim XML Registry can be done using a Microsoft Excel spreadsheet data template. Below is the draft data input template and an example template populated with FRS schema data.

- Draft Data Template (.xls)
- Data Template with Example FRS Schema Data (.xls)

To submit new information please contact: Larry Fitzwater via email at fitzwater.larry@epa.gov or by phone at 202-566-1653.

XML Object Search

A complete list of registered DETs/XML Schema for major Network data flows are available. XML Object Search can access all information in two ways:

1. To search for a specific word or phrase, enter text (e.g., water) or a text string (e.g., Water Quality) in the keyword field. The search will query all XML object types, unless a specific XML object type (e.g., XML Schema) is selected from the pull-down list. The keyword portion of the XML object search queries all text fields (e.g., name, acronym, abstract, etc.).
2. To obtain a complete list of XML Objects by type (e.g., XML Schema), select type from the pull-down list and leave the keyword field blank.
The following registered DETs/XML Schema for major Network data flows are available:

- Beach Monitoring Data Schema
- Beach Notification Data Schema
- Discharge Monitoring Report (eDMR) Schema
- Drinking Water Report (eDWR) Schema
- Facility Registry System (FRS) Schema
- National Emissions Inventory (NEI) Schema

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2. To obtain a complete list of XML Objects by type (e.g., XML Schema), select type from the pull-down list and leave the keyword field blank.

Keyword: 

Search Options: Containing, Beginning With, Exact Match

Type: All
XML and the EDR

XML (Extensible Markup Language) is the technology for facilitating the exchange of data. XML is implemented using tags. XML can be part of a standard for exchanging data between EPA, its state and tribal partners, localities, the regulated community, and other entities through the National Environmental Information Exchange Network. XML tags will be established for all EPA standard data elements.

XML tags for the data elements included in EPA data standards have been registered in the EDR as alternate names for the data elements and can be found on the data element detail page for most of the EPA data standards. An XML tag name can be identified with the Name Context of "XML Tag" or "XML Tag (Draft)."

Access http://xml.gov for more information about XML.

XML Tag Search

To search for a specific word or phrase, enter text or text string in the XML Tag field to retrieve metadata. The search will only query the fields in which you have entered text. To obtain a complete list of data elements by source type (e.g., Data Standard), select an information resource type from the pull-down list and leave the other fields blank.
Data Element List

Click on a name to obtain detailed information.

Select/deselect the Compare box to include/remove as many data elements in your Comparison Matrix as desired. Pause between selections to allow the system to process your request and post it to the matrix. Each selection will launch/refresh the Data Element Comparison Matrix window of your browser. The matrix window can be minimized to allow you to return to the Data Element List page and select additional data elements.

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Go to Record: 

XML Tags

<table>
<thead>
<tr>
<th>Name</th>
<th>Definition</th>
<th>Type</th>
<th>Status</th>
<th>Compare?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facility Registry Identifier</td>
<td>The identification number assigned by the EPA Facility Registry System to uniquely identify a facility site.</td>
<td>Alphanumeric</td>
<td>Standard/Final</td>
<td></td>
</tr>
<tr>
<td>1-32387:1</td>
<td></td>
<td>(12)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XML Tag: FacilityRegistryIdentifier</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Facility Site Name</td>
<td>The public or commercial name of a facility site (i.e., the full name that commonly appears on invoices, signs, or other business documents, or as assigned by the state when the name is ambiguous).</td>
<td>Alphanumeric</td>
<td>Standard/Final</td>
<td></td>
</tr>
<tr>
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<tr>
<td>State Facility Identifier</td>
<td>The unique identification number used by a state to identify a facility site.</td>
<td>Alphanumeric</td>
<td>Standard/Final</td>
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</table>
Terminology Reference System
(www.epa.gov/trs/)
Note: Duplicate definitions for individual terms are not shown in order to conserve space.

Select/deselect the Compare box to include/remove as many terms in your Comparison Matrix as desired. Pause between selections to allow the system to process your request and post it to the matrix. Each selection will launch/refresh the Term Comparison Matrix window of your browser. The matrix window can be minimized to allow you to return to the Term List page and select additional substances.

If additional searches are conducted that retrieve previously selected substances, they will display with check marks on the Term List page, and will display in the matrix window unless the Clear All button is selected.

**N**

No definition. European Environment Agency (EEA), European Topic Centre on Catalogue of Data Sources (ETC/CDS): General Multilingual Environmental Thesaurus Term Detail

**n-Octanol/water partition coefficient (Kow)**

The ratio of the molar concentrations of a chemical in n-octanol and water, in dilute solution. The coefficient Kow is a constant for a given chemical at a given temperature. Since Kow is the ratio of two molar concentrations, it is a dimensionless quantity. Sometimes Kow is reported as the decadic logarithm (log10Kow). In this equation, Coctanol and Cwater are the molar concentration of the solute in n-octanol and water, respectively, at a given temperature. This test procedure determines Kow at 25 plus or minus 0.05...
Organised method of recording all business transactions in the national economy. European Environment Agency (EEA), European Topic Centre on Catalogue of Data Sources (ETC/CDS): General Multilingual Environmental Thesaurus Term Detail

**National Ambient Air Quality Standards**

Regulations promulgated by EPA under the Clean Air Act for six criteria pollutants - sulfur dioxide, particulate matter, nitrogen dioxide, carbon monoxide, ozone, and lead - in order to protect the public from toxic emissions to the atmosphere. EPA/OSWER/Office of Solid Waste: Glossary (of Terms that Pertain to RCRA) Term Detail

**National Ambient Air Quality Standards (NAAQS)**

Maximum air pollutant standards that EPA set under the Clean Air Act for attainment by each state. The standards were to be achieved by 1975, along with state implementation plans to control industrial sources in each state. EPA/Office of Enforcement and Compliance Assurance: Guide to Environmental Issues: Glossary of Terms & Acronyms Term Detail

**National boundary**

The line demarcating recognized limits of established political units. (Source: GOOD) European Environment Agency (EEA), European Topic Centre on Catalogue of Data Sources (ETC/CDS): General Multilingual Environmental Thesaurus Term Detail

**National conservation program**
National Ambient Air Quality Standards

1. Regulations promulgated by EPA under the Clean Air Act for six criteria pollutants - sulfur dioxide, particulate matter, nitrogen dioxide, carbon monoxide, ozone, and lead - in order to protect the public from toxic emissions to the atmosphere. (Source: EPA/OSWER/Office of Solid Waste: Glossary (of Terms that Pertain to RCRA) Term Detail)

Download

This section allows you to dynamically create a download file of the above term information.

Formats: Text Report, Oracle (SQL*Loader), Comma Separated (Microsoft Access, Excel)

Begin Download

Please note file creation may take a few moments. Users of Microsoft Internet Explorer Version 3 and all versions of AOL's browser prior to 5.0 are unable to use the download capability. Please contact us specifying your download request and options, and we will e-mail you the file.

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URL: http://www.epa.gov/trs/
Environmental Information Management System (EIMS)

EPA's Office of Research and Development (ORD) has developed a scientific environmental information management system (EIMS) that stores, manages, and delivers descriptive information (metadata) for data sets, databases, documents, models, multimedia, projects, and spatial information. The EIMS design also provides a repository for scientific documentation that can be easily accessed with standard Web browsers to place a virtual library on the desktop of EPA staff and others with Internet access. EIMS is one of the integrating activities for information management within the USEPA's Office of Research and Development.

Announcements

The latest version of the EIMS User Guide and Data Administration Guidelines are now available for download.

Please see our User Guide section and refer to the Policies and Procedures area for the Administration Guidelines.
EIMS Metadata Report - Spatial

Entry ID: 51728
Title: MAP OF THE MAJOR WATERSHEDS OF ILLINOIS
Version: 1.0

Abstract:
This map illustrates general boundaries of major watersheds in Illinois. The watersheds in the Illinois River Basin are shaded green. A watershed is often considered synonymous with drainage basin, and in this context it is the land area which directly drains to a common stream, river, or lake. Watershed boundaries follow topographic highs. In some areas, artificial drainage structures such as canals may convey water across topographic watershed boundaries. Features shown on this map are accurate only to the scale at which they were originally developed. Communities are displayed as space allowed.

Downloads
File Name: MAJOR WATERSHEDS OF ILLINOIS
File Description: VIEW THE MAP
Eims Certification: Level 1
File Type: HTML
Compression Status: NONE
Discussion

Michael Pendleton
pendleton.michael@epa.gov