



Envirofacts Redesign

May 12, 2010



Envirofacts Home Page

The screenshot shows the Envirofacts Home Page with the following layout:

- Header:** EPA logo, "United States Environmental Protection Agency", navigation links (LEARN THE ISSUES | SCIENCE & TECHNOLOGY | LAWS & REGULATIONS | ABOUT EPA), and a search bar.
- Sub-header:** "Envirofacts" title, "You are here: EPA Home » Envirofacts", and "Contact Us" / "Share" links.
- Navigation:** A row of buttons: Home, Multisystem Search, Topic Searches, System Data Searches, About the Data, Data Downloads, Widgets, Services, Mobile.
- Main Content Area:**
 - How to Use Envirofacts** (with icons for various search methods)
 - Envirofacts** logo and tagline: "Your one-stop source for Environmental Information"
 - Get the EnviroFACTS!** section with a search box and "Advanced" button.
 - Topic Searches** grid with icons for Air, Land, Water, Waste, Toxics, Radiation, Facility, Compliance, and Other.
 - Envirofacts System Data Searches** section with a "Multisystem Search" button and lists of search types (AFS, BR, Brownfields-Cleanups, CERCLIS, Cleanups, ECHO/IDEA, FRS, EZ Search, Organization Search, GICS, ICR, Locational Information, PCS, RADInfo, RadNet, RCRAInfo, SDWIS, SRS, UV Index, TRI, etc.).
 - Other Sites of Interest** section with links to Geospatial Download, EnviroMapper, MyEnvironment, EView, and TRI Facility Locator Tool.
- Footer:** News Feeds, Podcasts, EPA Mobile, News by Email, Widgets, and EPA Home | Privacy and Security Notice | Contact Us. Last updated on Monday, April 19, 2010.

The Envirofacts Home page provides quick access and flexibility to navigate environmental data through a number of different methods.



Quick Access to Data



Search Results for:
41008

API Link for Report Data:
<http://oradev.saic-solutions.com/enviro/rest/multisystem/minLat>
Copy and paste the link above to view the data from this report

Home AIR TOXICS WASTE RADIATION WATER

- AIR
- Facilities that produce and release air pollutants: 5
 - Number of AIR Minor: 4
 - Number of AIR Major: 1

LIST OF EPA-REGULATED FACILITIES IN ENVIROFACTS

The facility list below is based upon the facilities that are visible with the map above. To refine your search to a more targeted area of interest, please visit the *Envirofacts Multisystem Search Form*. To search Envirofacts via an interactive map, please view your results in *EnviroMapper for Envirofacts*

FACILITY INFORMATION	AFS	ACRES	BR	CERCLIS	PCS	KADInfo	RCRAInfo	TRI
ALUMAX APPLIANCE & SPECIALTY PRODUCTS INC HIGHWAY 36 WEST CARROLLTON, KY 41008 Summary Report Facility Report Compliance Report							View Report	View Report
ARKEMA INC. 2316 HIGHLAND AVENUE CARROLLTON, KY 41008 Summary Report Facility Report Compliance Report	View Report				View Report		View Report	View Report
BAKER AUTO PARTS & SALVAGE RT 1 BOX 253 CARROLLTON, KY 41008 Summary Report Facility Report Compliance Report					View Report			
BAKERS AUTO SALVAGE & TOWING 100 CLAY ST CARROLLTON, KY 41008 Summary Report Facility Report Compliance Report								

A one-box search provides seamless integration of complex result sets with mapping technology services, which allows users to view a snapshot of information for their chosen location.

Map Features



The map is used as both a display and a query tool for Envirofacts reports. Users can modify the result set by interacting with the map to ensure they retrieve the results that are right for them.

List of Regulated Facilities
 Search Results for: 60085
 MPI Link for Report Data: <http://oradex.sarc-solutions.com>
 Copy and paste the link above

Home | AIR | TOXICS | WASTE | RADIATION | WATER

USE

- Facilities that produce and release air pollutants: 55
- Number of AIR Minor: 51
- Number of AIR Major: 1
- Number of AIR Synthetic Minor: 3

The facility list below is based upon the facilities that are visible with the map above. To refine your search to a more targeted area of interest, please visit the Envirofacts Multisystem System via an interactive map, please view your results in Envirofacts for Envirofacts.

FACILITY INFORMATION	AFS	ACKLES	ER	CERCLIS	PCS	RADInfo	ECCAInfo	TRI
2 PTS AFFORDABLE COLLISION RFR 3627 WASHINGTON ST WAUKEGAN, IL 60085 Summary Report Facility Report Compliance Report								View Report
415 EXECUTIVE CENTER INC 415 WASHINGTON WAUKEGAN, IL 60085 Summary Report Facility Report Compliance Report								View Report
7 ELEVEN 27617 2435 WASHINGTON & KELLER WAUKEGAN, IL 60085 Summary Report Facility Report Compliance Report								View Report



RESTful API

List of Regulated EPA Facilities in Envirofacts

Search Results for:
60085

API Link for Report Data:

<http://oradev.saic-solutions.com/enviro/rest/multisystem/minLat>
Copy and paste the link above to view the data from this report

```

<?xml version="1.0" ?>
- <FacilitySiteList>
- <FacilitySite>
  <FacilityRegistryIdentifier>110005796335</FacilityRegistryIdentifier>
  <LatitudeMeasure>42.359614</LatitudeMeasure>
  <LongitudeMeasure>-87.889896</LongitudeMeasure>
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  <LocationAddressText>3627 WASHINGTON ST</LocationAddressText>
  <LocalityName>WAUKEGAN</LocalityName>
  <CountyName>LAKE</CountyName>
  <StateUSPSCCode>IL</StateUSPSCCode>
  <LocationZIPCode>60085</LocationZIPCode>
  <EnviroFactsAIRSAFSProgramLink />
  <EnviroFactsACRESProgramLink />
  <EnviroFactsBPSProgramLink />
  <EnviroFactsCERCLISProgramLink />
  <EnviroFactsPCSPProgramLink />
  <EnviroFactsRADINFOProgramLink />
  <EnviroFactsRCRAINFOProgramLink>http://oaspu
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  <EnviroFactsTRISProgramLink />
</FacilitySite>
- <FacilitySite>
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  <LatitudeMeasure>42.353729</LatitudeMeasure>
  <LongitudeMeasure>-87.851513</LongitudeMeasure>

```

RESTful API allows users to access Envirofacts data using standard HTTP protocols in multiple formats, devices, and browsers.

facilities in Envirofacts

search 60085

API Link for Report Data:
<http://oradev.saic-solutions.com/enviro/rest/multisystem/minLat>
Copy and paste the link above to view the data from this report

Home AIR TOXICS WASTE RADIATION WATER

55

- Facilities that produce and release air pollutants: 55
- Number of AIR Minor: 51
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The facility list below is based upon the facilities that are visible with the map above. To refine your search to a more targeted area of interest, please visit the Envirofacts Multisystem Search via an interactive map, please view your results in Envirofacts for Envirofacts.

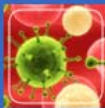
FACILITY INFORMATION	AFS	ACKRES	BR	CERCLIS	PCS	RADInfo	RCRAInfo	TRIS
2 PTS AFFORDABLE COLLISION RPR 3627 WASHINGTON ST WAUKEGAN, IL 60085 Summary Report Facility Report Compliance Report								View Report
415 EXECUTIVE CENTER INC 415 WASHINGTON WAUKEGAN, IL 60085 Summary Report Facility Report Compliance Report								View Report
7 ELEVEN 27617 2435 WASHINGTON & KELLER WAUKEGAN, IL 60085 Summary Report Facility Report Compliance Report								View Report



Topic Searches

Water


ICR

 What are the microbial levels in the water supply of my area of interest?

 ZIP Code City, State


The Information Collection Rule (ICR) required water systems to collect samples and report on microbial (source water and water) levels for 18 months (July 1997–December 1998). Two is now stored in Envirofacts. Use the ICR Search Form to view state, and national levels. [More information on ICR.](#)

PCS

 What facilities have permits to discharge waste water in my area of interest?

The Permit Compliance System (PCS) provides information on issued permits to discharge waste water into rivers. You can permit was issued and expires, how much the company is per actual monitoring data showing what the company has dischar

SDWIS

 What public water systems are in my area of interest?

 ZIP Code City, State

The Safe Drinking Water Information System (SDWIS) contains information about public water systems and their violations of EPA's drinking water regulations. These statutes and accompanying regulations establish maximum contaminant levels, treatment techniques, and monitoring and reporting requirements to ensure that water provided to customers is safe for human consumption. [More information on SDWIS.](#)

[Full Search](#)

Topic Searches

 Air  Waste  Facility

 Land  Toxics  Compliance

 Water  Radiation  Other

Users can access information by broad environmental topics, designated by colorful icons. Clicking an icon directs the user to a number of specific topic-related searches, providing quick answers to questions.

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Waste

BR

 What hazardous waste is being generated for my area of interest?

The Hazardous Waste Report (Biennial Report) collects data on the generation, management, and minimization of hazardous waste. This provides detailed data on the generation of hazardous waste from large quantity generators and data on waste management practices from treatment, storage, and disposal facilities. The Biennial Report data provide a basis for trend analyses. Data about hazardous waste activities is reported for odd number years (beginning with 1989) to EPA. [More information on BR.](#)

[Full Search](#)

CERCLIS

 What risks and pollutants have hazardous sites introduced into my area of interest?

Superfund is a program administered by the EPA to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. Hazardous wastes were often left in the open, where they seeped into the ground, flowed into rivers and lakes, and contaminated soil

[Full Search](#)



System Data Searches

System Data Searches

Home Multisystem Search Topic Searches **System Data Searches** About the Data Data Downloads Widgets Services Mobile

System Search	System Overview
Multisystem	Envirofacts Multisystem Overview
AFS	Air Facility System (AFS) Overview
BR	Biennial Reporting Overview
Brownfields/Cleanups	Brownfields-Cleanups in My Community Overview
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) Overview
Cleanups	Cleanups in My Community Overview
ECHO/IDEA	Enforcement & Compliance History Online (ECHO) Overview
FRS	Facility Registry System Overview
EZ Search	
Organization Search	
GICS	Grants Information and Control System (GICS) Overview
ICR	Information Collection Rule (ICR) Overview
Locational Information	Locational Information Overview
Locational Search	
PCS	Permit Compliance System (PCS) Overview
Customized Search	
RADInfo	The Radiation Information Database (RADInfo) Overview
RadNet	RadNet Overview
Customized Search	
RCRAInfo	Resource Conservation and Recovery Act Information (RCRAInfo) Overview
SDWIS	Safe Drinking Water Information System (SDWIS) Overview
SRS	Substance Registry Services Overview
TRI	Toxics Release Inventory (TRI) Overview
Customized Search	
Facility Locator Tool	
EZ	

Search
Enter geography of your choice,
(e.g. City, County, Place of Interest).

Topic Searches

- Air
- Land
- Water
- Waste
- Toxics
- Radiation
- Facility
- Compliance
- Other

Other Sites of Interest

- Geospatial Download
- EnviroMapper
- MyEnvironment
- E|View
- TRI Facility Locator Tool

Users can directly access the system searches and overview information that interests them.



Multisystem Search

Multisystem Search

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- System Data Searches
- About the Data
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- Services

Envirofacts

The Multisystem Search Form allows you to search multiple environmental databases: releases, water discharge permit compliance, hazardous waste handling processes. Search the Envirofacts database using any combination of the following criteria: facility or pollutant. A search returns a list of facilities that match the criteria entered.

Facility Selection

Facility Site Name:

Beginning With
 Exact Match
 Containing

Geography Search

Enter a partial value for any geography option except for the state value. We str geographical area to begin the search since Envirofacts contains a large numbe

ZIP Code:

Address:

Beginning With
 Exact Match
 Containing

City:

County:

State:

Facility Industrial Classification Search

Select a search option from the drop down menu. For the "Equal to" option enter a 4-digit SIC code. For "Beginning with" or "Containing" enter up to 4 digits.

SIC Codes:

Equal to

OR

Select a search option from the drop down menu. For the "Equal to" opt with" or "Containing" enter up to 6 digits.

NAICS Codes:

Equal to

Users may perform a refined search of Envirofacts data by using the Multisystem Search form. Search options include any combination of Facility Name, Geography, SIC or NAICs codes, and Pollutant Name and CAS Number.

Pollutant Search

Enter the name of a pollutant or a CAS Number. If both a name and CAS Number are entered, only CAS Number will be used in the search. This search will only be performed against TRIS, PCS, and AFS facilities at this time.

Note: Searching using either a pollutant name or CAS number results in a slower than normal search.

Pollutant Name:

Beginning With
 Exact Match
 Containing

Chemical Abstract Service (CAS) Number:

[Lookup Pollutant codes and CAS numbers](#)

Search

Clear

About the Data

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- Mobile

Envirofacts Multisystem Search Air Air Facility System (AFS) UV Index Land Assessment, Cleanup and Redevelopment Exchange System (ACRES) Biennial Reporting (BR) Brownfields-Cleanups Cleanups in My Community (CIMC) Hazardous Waste (RCRAInfo) Superfund (CERCLIS) Water Microbial Disinfection Byproduct Info (ICR) Water Discharge Permits (PCS) Water Discharge Permits (PCS) Customized Safe Drinking Water (SDWIS)	Waste Biennial Reporting (BR) Hazardous Waste (RCRAInfo) Superfund (CERCLIS) Toxics Toxics Release Inventory (TRI) TRI Customized TRI Form R TRI Form R & A Download TRI EZ Radiation Radiation Information Database (RADInfo) RadNet RadNet Customized Search Facility Facility Registry System (FRS) Facility Registry System (FRS) EZ Organization Search	Compliance Compliance Air, Water, and Hazardous Waste Search (ECHO/IDEA) Other Grants Information (GICS) Locational Information Locational Search Multisystem Search Substance Registry Services (SRS) UV Index Maps Cleanups in My Community (CIMC) EJView EnviroMapper for Envirofacts MyEnvironment
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Search
 Enter geography of your choice, (e.g. City, County, Place of Interest).

- System Data Searches**
- Multisystem
 - AFS
 - BLOC-IED
 - BR
 - Brownfields/Cleanups
 - CERCLIS
 - Cleanups
 - ECHO/IDEA
 - FRS
 - EZ Search
 - Organization Search
 - GICS
 - ICR
 - Locational Information
 - Locational Search
 - PCS
 - Customized Search
 - RADInfo
 - RadNet
 - Customized Search
 - RCRAInfo
 - SDWIS
 - SRS
 - TRI
 - Customized
 - Facility Locator Tool
 - EZ
 - Form R
 - Form R & A Download
 - State Reports
 - TSCA
 - UV Index

A site map lists the specific searches by topic and provides a brief description of each search.

Envirofacts

Multisystem Search [Go to Search](#)

The Envirofacts Multisystem Search integrates information from a variety of databases and includes latitude and longitude information. Each of these databases contains information about facilities that are required to report activity to a state or federal system. Using this form, you can retrieve information about hazardous waste (including the Biennial Report), toxic and air releases, Superfund sites, and water discharge permits. Facility information and a map of its location is provided. [More information on Envirofacts and the Multisystem Data.](#)

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Air

Air Facility System (AFS) [Go to Search](#)

Information on air releases is contained in the Air Facility System (AFS), a computer-based repository for information about air pollution in the United States. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. [More information on AFS.](#)

UV Index [Go to Search](#)

The ozone layer shields the Earth from harmful ultraviolet (UV) radiation. Ozone depletion, as well as seasonal and weather variations, cause different amounts of UV radiation to reach the Earth at any given time. The UV Index predicts the ultraviolet radiation levels on a 0-10+ scale, helping people determine appropriate sun-protective behaviors. [More information on UV Index.](#)

- Other Sites of Interest**
- Geospatial Download
 - EnviroMapper
 - MyEnvironment
 - EJView
 - TRI Facility Locator Tool



Data Downloads

Data Downloads

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- Topic Searches
- System Data Searches
- About the Data
- Data Downloads
- Widgets
- Services
- Mobile

Envirofacts offers several choices for downloading data. The search options listed below allow a user to build their own search and download the results to a file. The Geospatial Download feature enables a user to download spatial data files for use in mapping and reporting applications.

EZ Searches

- **FRS** - This search allows you select key data elements from EPA's Facility Registry System (FRS) and Locational Reference Database to build a tabular report or a Comma Separated Value (CSV) file for downloading.
- **TRI** - This search allows you to select key data elements from the Toxics Release Inventory (TRI) to build a tabular report or a CSV file for downloading. TRI contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment.

Custom Searches

- **PCS** - This search allows you to select any data element in the Permit Compliance System (PCS) to build a tabular report or a CSV file for downloading. PCS provides information on companies which have been issued permits to discharge waste water into rivers. This search tool is primarily geared toward the experienced user.
- **RadNet** - This search allows you to select any data element in RadNet to build a tabular report or a CSV file for downloading. RadNet, formerly Environmental Radiation Ambient Monitoring System (ERAMS), is a national network of monitoring stations that regularly collect air, precipitation, drinking water, and milk samples for analysis of radioactivity. This search tool is primarily geared toward the experienced user.
- **TRI** - This search allows you to select any data element in TRI to build a tabular report or a CSV file for downloading. This search tool is primarily geared toward the experienced user.

Geospatial Download

To improve public health and the environment, the EPA collects information about facilities or sites subject to environmental regulation. The EPA Geospatial Data Access Project provides a downloadable files of these facilities or sites in the following formats; extensible markup language (XML) file, keyhole markup language (KML) file, ESRI Shapefile and ESRI Feature Class.

- **EPA Region** - Provides EPA Regional coverages of a subset of the facilities within FRS. Data files are in KML format only.
- **Single** - A single State level CSV file for all FRS facilities. Each state zip file contains a single file of key facility-level information including facility name and address, geospatial information, affiliated EPA and State programs, and facility industry classifications (SIC and NAICS codes and descriptions).
- **Combined** - A State level collection of CSV files for all FRS facilities containing individual facility name and address, geospatial, facility interests, organizations, industrial classifications (SIC and NAICS), alternative names, contacts, and mailing address files.

Search
Enter geography of your choice, (e.g. City, County, Place of Interest).

System Data Searches

- Multisystem

Envirofacts data downloads allows users to build searches and download results to a file.

The Geospatial Download feature enables users to download spatial data files for use in mapping and reporting applications.

- Customized Search
 - RADInfo
 - RadNet
 - Customized Search
 - RCRAInfo
 - SDWIS
 - SRS
 - TRI
 - Customized
 - Facility Locator Tool
 - EZ
 - Form R
 - Form R & A Download
 - State Reports

Widgets

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A widget is something interesting appear on your blog, wiki, or Web page. Information in a widget can feature updated information or let the reader do something like use a search box.

To add a widget, you must be able to edit your Web page. If you need help in adding a widget to your Web page, please contact your Webmaster or service provider. **Choose your widget from the list of Topics below:**



Search
Enter geography of your choice, (e.g. City, County, Place of Interest).

System Data Searches

- Mu...
- AE...

Air

Air Facility System (AFS)

EPA Envirofacts

AFS

What facilities in my area of interest produce air emissions as reported by the Air Facility System?

To use this widget, copy and paste the following code into your Web page.

```
<iframe FRAMEBORDER="0" WIDTH="225"HEIGHT="200" id="AFS" SCROLLING="no" MARGINWIDTH="3" MARGINHEIGHT="0" SRC="http://www.epa.gov/enviro/widgets/afs.html"></iframe>
```

Top of page

Land

Brownfields

EPA Envirofacts

Brownfields

EPA Envirofacts

AFS

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<iframe FRAMEBORDER="0" WIDTH="225"HEIGHT="200" id="AFS" SCROLLING="no" MARGINWIDTH="3" MARGINHEIGHT="0" SRC="http://www.epa.gov/enviro/widgets/afs.html"></iframe>
```

A widget is a small component of Web code embedded within a Web page displaying information of interest on your blog, wiki, or Web page. Widgets add dynamic content to a Web page.

Envirofacts offers widgets related to each of its program systems, enabling users to download the desired widget and add it to their Web site.

A Download
ports

Other Sites of Interest

- Geospatial Download
- EnviroMapper



Web Services

Web Services

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Envirofacts is developing web services to facilitate the sharing of its functionality and information. All of the services that are available within Envirofacts will be listed on this tab. *Please check back periodically as we are developing many new services.*



UV Index Envirofacts has developed a Web service that allows a developer versed in SOAP (Simple Object Access Protocol) to display UV Index and Alert forecasts on any Web site. The information is searchable by ZIP Code and city, state, making it useful for any organization, either local or national. Users do not have to leave your site to see the forecast. The [UV Index Overview](#) provides additional information on the data.

The UV Index web services provide two services:

- get UV Index and Alert by Zip Code
- get UV Index and Alert by City and State

Output for both services are the following:

- ForecastDate: timestamp for the forecast (next day)
- Alert: boolean value (true or false) of UV alert
- Index: integer value of UV index



Envirofacts is developing Web services to facilitate the sharing of its functionality and information with popular collaboration Web sites such as Facebook.

Port URL - invoke the services from the client application at (<http://iaspub.epa.gov/uvindexalert/services/UVIndexAlertPort>)

WSDL URL - view the Web services definitions and descriptions (<http://iaspub.epa.gov/uvindexalert/services/UVIndexAlertPort?wsdl>)

Mobile

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- [Topic Searches](#)
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- [Services](#)
- [Mobile](#)

Envirofacts has developed applications for use with mobile devices that can provide practical information for users who are "on the go". Please check back periodically as new applications are developed.

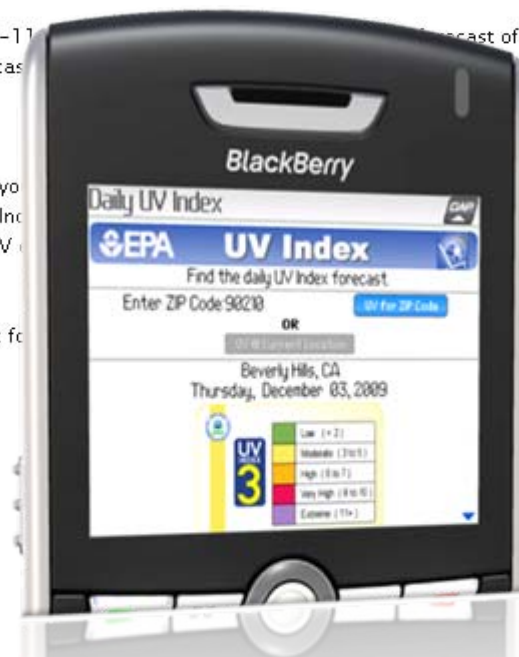
UV Index

The Ultraviolet (UV) Index predicts the ultraviolet radiation levels on a 1-11 scale. The UV Index is a forecast of the expected intensity of UV radiation from the sun. To assist users in utilizing the UV Index forecast on a mobile device.

1. Mobile Web

1. **UV Home** - Use this URL to locate the UV Index forecast for your location.
2. **UV Map** - Use this URL to see contour lines of predicted UV Index values.
3. **UV More Info** - Explanation of the hazards and causes of UV radiation.

2. **Blackberry Application** - Use this URL to download the UV Index forecast application for your mobile device: [/EPAUVIndex.jad](#)



Mobile applications provide increased access to EPA data and tools through applications designed for mobile devices, such as iPhone, BlackBerry, Palm, etc.



Contact:

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