

# Clean Watersheds Needs Survey Data Entry Portal



## Data Entry Burden Reduction Using Enterprise Architecture

Michael Plastino  
EPA Office of Water

For Conference Purposes Only

# Presentation Overview

- 1) CWNS Overview
- 2) CWNS 2008 – Survey Methods
- 3) CWNS 2008 Data Entry System  
-> Requirements & Solutions
- 4) CWNS 2008 Data Entry System ‘Demo’

## Supplemental Materials

CWNS 2008 Data Entry System -> Technical Details

CWNS -> Public Data Access

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# 1) CWNS Overview

# CWNS Overview

Required by Clean Water Act (CWA) Sec. 516

Joint Effort between EPA & States

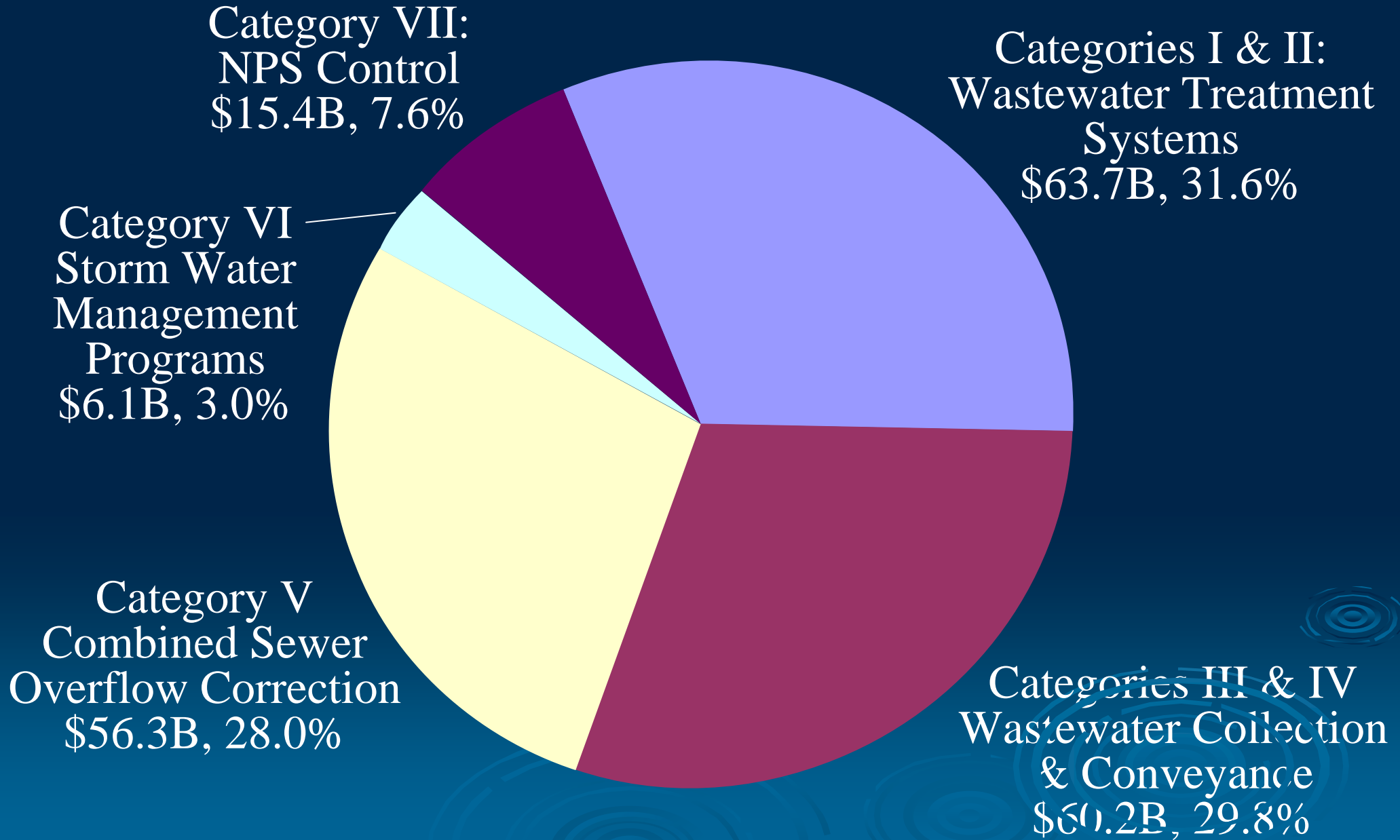
Conducted Every 4 Years since 1992, following inception of Drinking Water Needs Survey (every 2 years 1972-1992)

Closely related to

Wastewater Treatment Construction Grants (1972-1986)

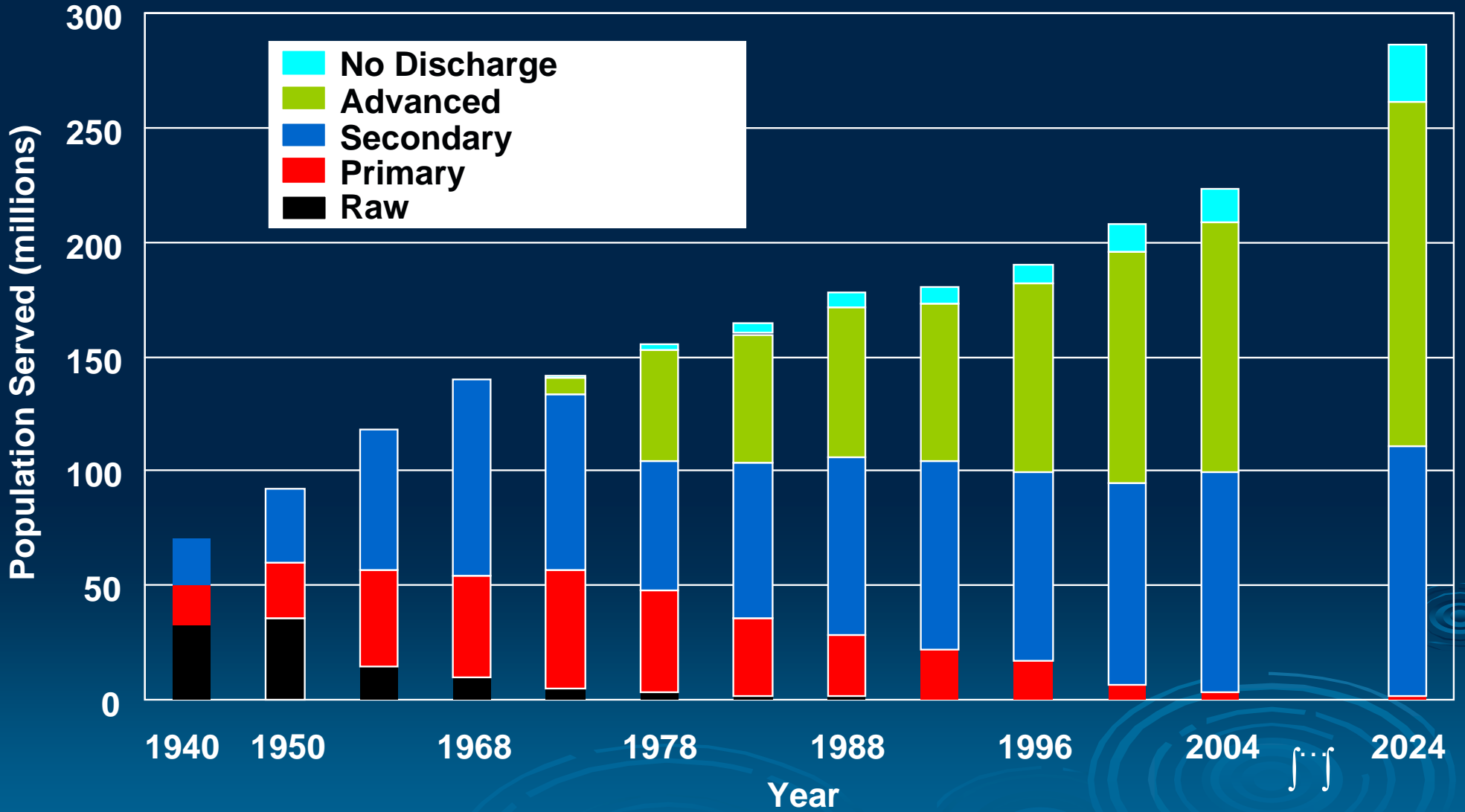
Clean Water State Revolving Fund (1988-Present)

# CWNS 2000 Results



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# CWNS 2004 Results



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# Information in CWNS

Capital Needs for projects that address water quality or water-related public health problems

Approximately 33,000 Facilities/Projects

50% Permitted (NPDES) Wastewater Treatment Plants

25% Wastewater Collection Systems

20% Nonpoint Source Projects

5% Stormwater Projects

\* Data Entry Requirements vary by Facility Type \*

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# Data Types in CWNS

Project costs & documentation sources

Facility / Project location & contact information

Facility current and projected

- Populations served

- Design and actual flows

- Effluent levels

Facility unit process & NPS best management practices (BMP) data



# CWNS Data Uses

Assists Congress and state legislatures in budgeting efforts

Helps measure environmental progress

Contributes to academic & other agency research

Informs the public

Assists with program implementation

Loading analyses, NPDES permit writing, Clean Water State Revolving Fund (CW SRF) Project Prioritization...


# 2) CWNS 2008 Survey Methods

# “Official” Needs

Needs data entered in CWNS is “Official”  
(i.e. in the main body of Report to Congress)  
if EPA verifies:

- > Accuracy & eligibility of data entered into CWNS
- > Documents meet criteria

# Documentation Criteria for “Official Needs”

1. Description of the water quality problem
  2. Location of the problem
  3. Solution to the problem
  4. Cost of the solution
  5. Basis for the cost
  6. Total cost
  7. Current Documentation
- Needs
- Costs
- 

# Commonly Used Document Types

Capital Improvement Plan (37%)

Facility Plan (15%)

State Approved Area-Wide / Region Basin  
Plan (8%)

Final Engineer's Estimate (5%)

CWSRF Intended Use Plan (5%)

# CWNS 2004 – System Supported Roles

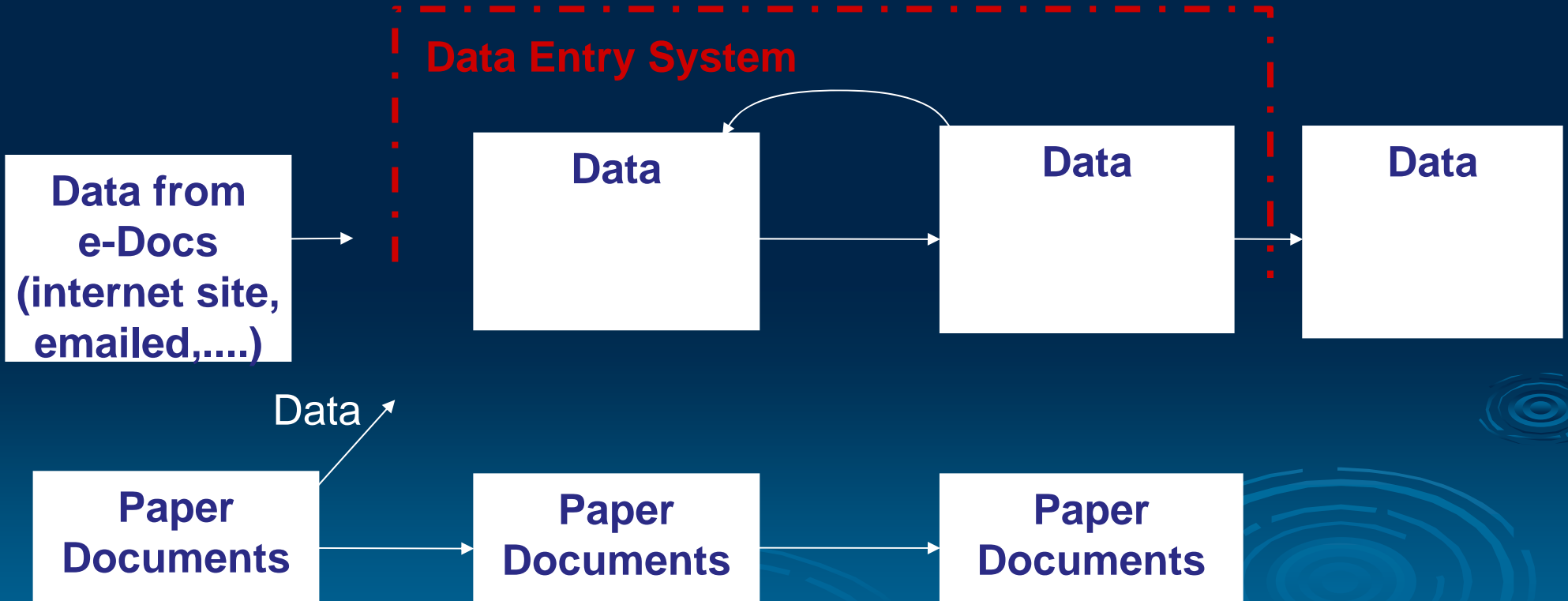
Local /  
Secondary  
Users

State

EPA

Internet

**Data Entry System**



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# 3) CWNS 2008 Data Entry System - Requirements & Solutions -

# Process to Develop CWNS 2008 Vision

## CWNS 2005-2012 Strategy Focus Group

9 States, 3 Regions from State-EPA CWNS Workgroup

Helped define Business Process, IT Options

Evaluated Benefits of Options

Provided feedback on recommendations emerging from  
Benefit-Cost analyses of Options

## CWNS 2008 State-EPA Workgroup

Call to ECOS Commissioners for Nominees (Aug 2005)

Used Strategy as baseline for input on 2008 System



# Process to Develop CWNS 2008 Vision

## Workgroup Subcommittees

CWNS Web System Subcommittee (WSS) & the CWNS Integration Subcommittee (CIS) prioritized system requirements

- > Web conference sessions (Sept 05 - Feb 06)
- > 2-day requirements finalization meeting (March 06)

Web System Subcommittee (WSS) provided feedback

- > Design sessions (April - Oct 06)
- > Iterative development – feedback cycles (Jan – Dec 07)

# Process to Develop CWNS 2008 Vision

## Workgroup Subcommittees

State-Local Interaction Subcommittee (SLIS) formed following the March Requirements Finalization Session to focus on Local-State interactions

Local Government Advisory Committee (LGAC) members / other local facility representatives provided ad hoc input

# CWNS Integration Subcommittee (October 2005 – March 2006)

Jon Bernreuter, AZ      Ketan Patel, N.J.

Mark Hubbard & Steve Tsadwa, NC

Ping Yee, MA      Emily Morris, WA

Ray Kvalheim, EPA Region 2

Catherine King, EPA Region 3

Adrienne Rivera, EPA Region 8

Jim Preston & Michael Plastino, EPA Headquarters

Contractor Support:

Jon Harcum, TetraTech

Pamela Bridgett, Lockheed Martin

# Web System Subcommittee (October 2005 – December 2007)

Greg Pope, DE

Meg Klepic, OH

Jill Bertelson, KY

David Breau, ME

Jeff Albrecht, CA Jon Bernreuter, AZ

Doug Garrett & Kirby Finders, MO

Ketan Patel & Scott Shymon, NJ

Susanne Mann. EPA Region 6

Jim Preston, Karen Fligger & Michael Plastino, EPA HQ

Contractor Support:

Jeff Kipers, Raj Lingam & Michelle Gouws,  
Lockheed Martin

Jon Harcum, TetraTech

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# State-Local Interaction Subcommittee (May 2006 – April 2008)

David Breau, ME

Emily Morris, WA

Meg Klepic, OH

Ketan Patel & Scott Shymon, NJ

Mark Hubbard & Steve Tsadwa, NC

Susanne Mann, EPA Region 6

Karen Fligger & Michael Plastino, EPA Headquarters

Contractor Support:

Jon Harcum, TetraTech

Raj Lingam & Michelle Gouws, Lockheed Martin

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# CWNS 2008 Data Entry System Requirements

Minimize data entry effort by the CWNS Data Entry System...

- 1) Incorporating related data extracts from other EPA systems, tools, and web services:
  - Permit (NPDES) data
  - Impaired waters (TMDL / 303d) data
  - CW SRF funding data
  - Location data
- 2) Providing document management functions
- 3) Supporting data / document sharing between States and Local Communities

# CWNS 2008 Data Entry System Solution

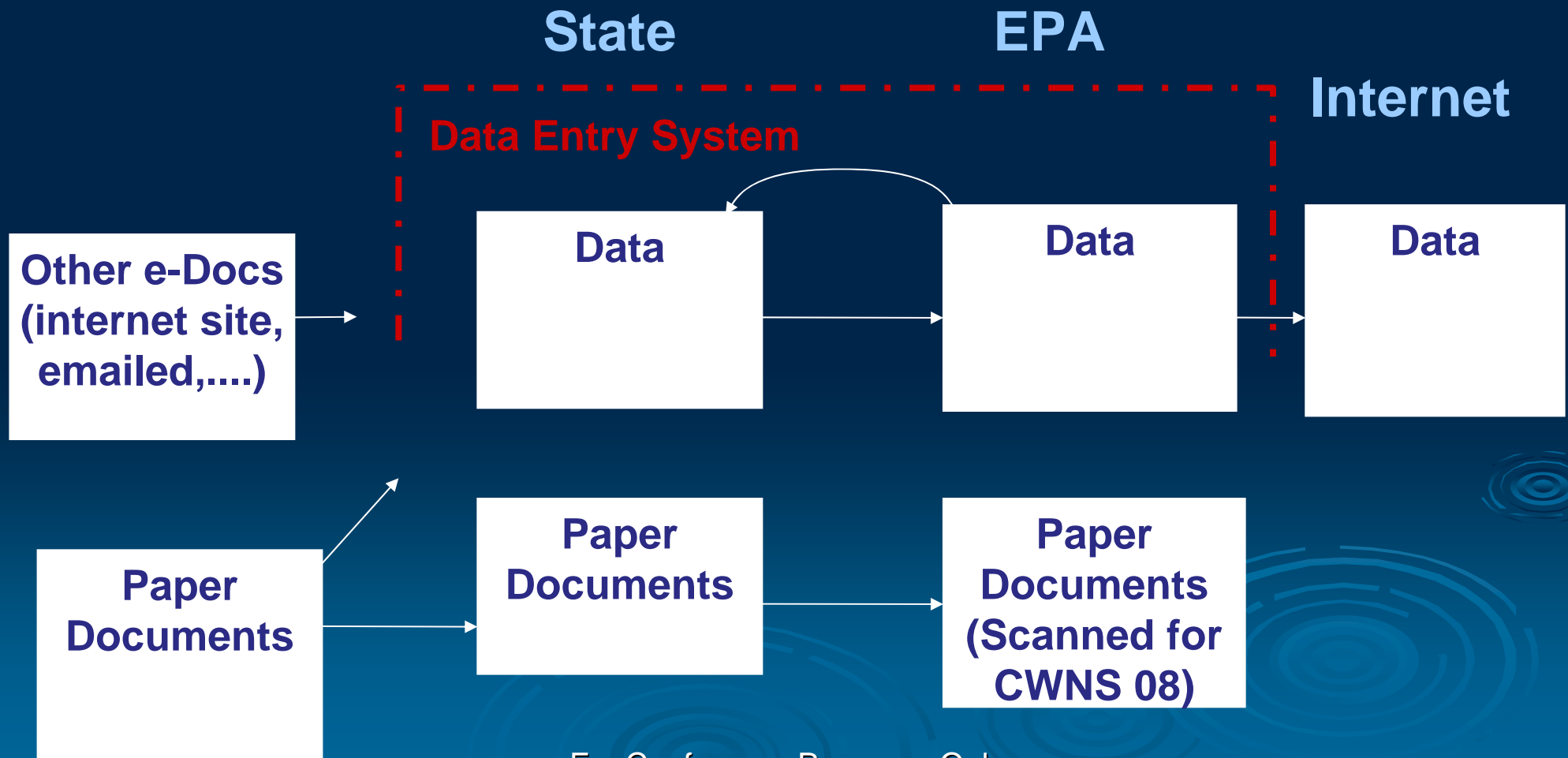
Portal / Identity Access & Management (IAM)  
selected to provide...

- 1) Extracts of related data systems
  - Copied directly into CWNS system
  - Summarized in 'Portlets' to guide CWNS data entry
- 2) Registration and delegated administration capabilities for CWNS State Coordinators to administer Local & Secondary State Users
- 3) Linkage w/ EPA Enterprise Document Management System (Documentum) for
  - Document uploading & management
  - Document annotation
  - Fax capture into system

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# CWNS 2004 – System Supported Roles

Local /  
Secondary  
User



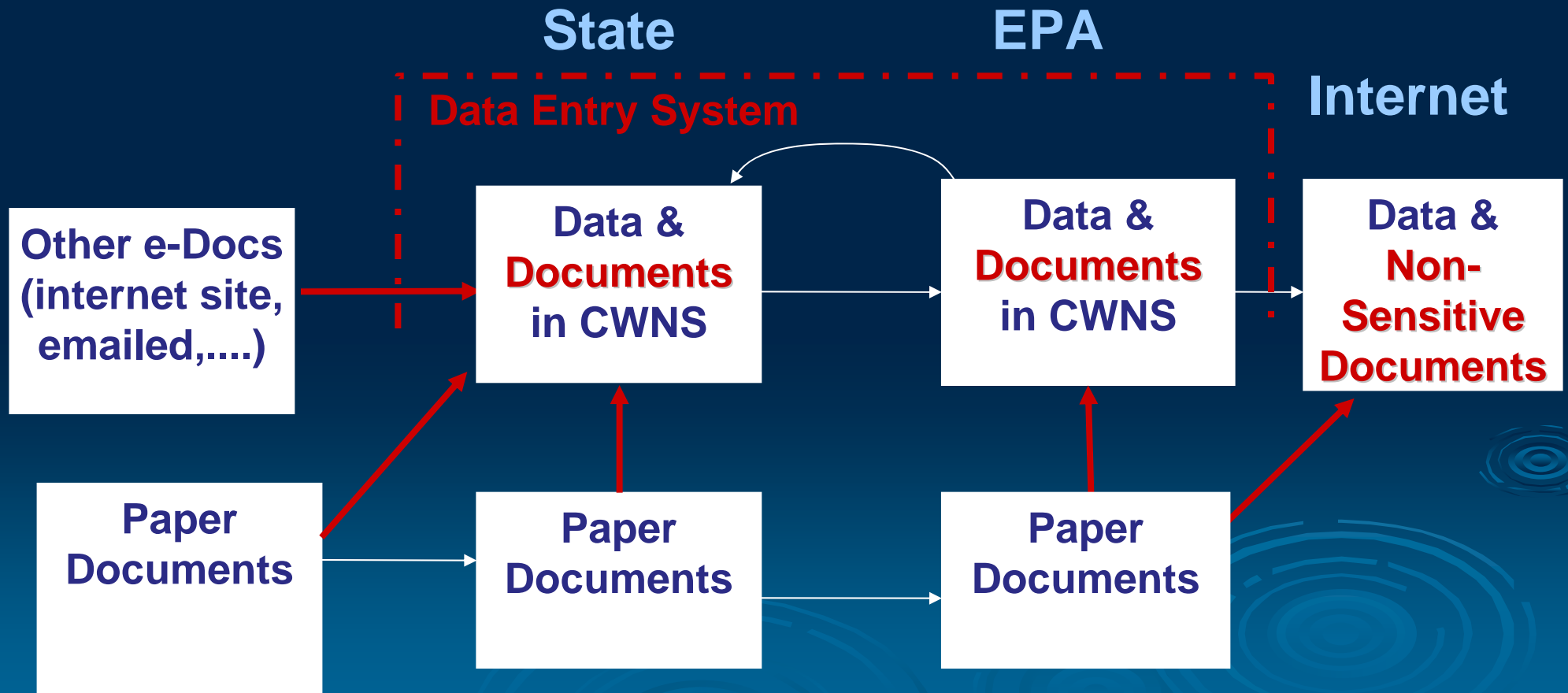
For Conference Purposes Only



# CWNS 2008 Data & Document Entry Roles

Local /  
Secondary  
Users

*Red Text indicates new items for  
2008 system*

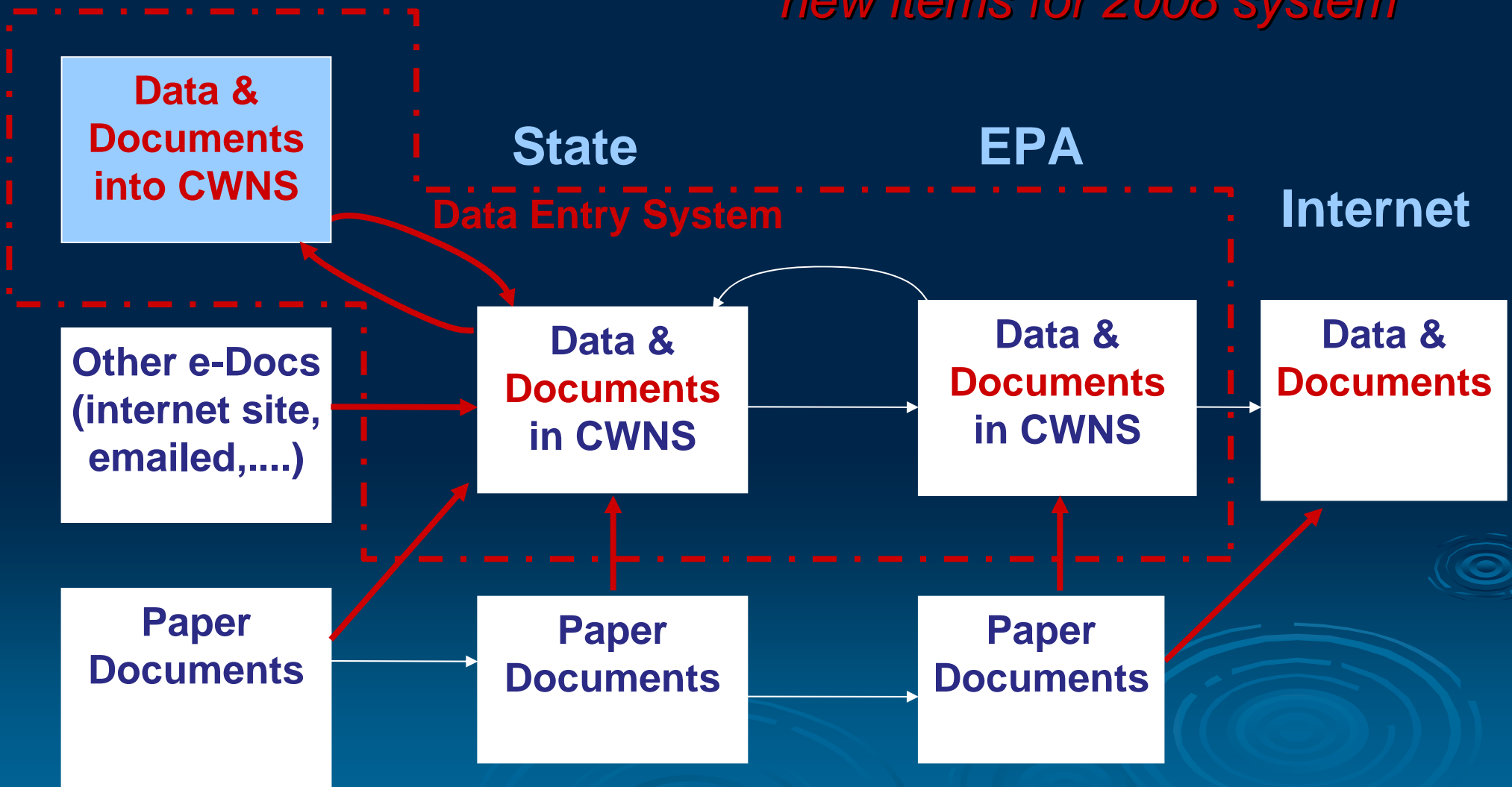


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# CWNS 2008 Data & Document Entry Roles

Local / Secondary

*Red Text and Box Outline indicates new items for 2008 system*



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# 4) CWNS 2008 Data Entry System “Demo”

# Local / Secondary User Initiated Registration

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# Local User w/o Portal Account Requests CWNS Access



Welcome to the EPA Portal

[Portal Help](#)

## Login Instructions

If you have an EPA LAN account, log in using the following: User Name = your LAN id and Password = your LAN password.  
If you DO NOT have an EPA LAN account you will need to request access to the Portal using the "Request Access to the EPA Portal" link below.

### Login

Enter your user name and password to login.

User Name

Password

Login

Resources for EPA business partners and affiliates.

If you do not have an epa.gov email address, please click on the appropriate link below.

[Forgot your user-id or password?](#)

[Request Access to the EPA Portal](#)



Need Assistance? Call the EPA Customer Support Center at 1-866-411-4EPA or email at [EPACallCenter@epa.gov](mailto:EPACallCenter@epa.gov)

[Contact Us](#)

[Privacy & Security Notice](#)

For Conference Purposes Only

# Local User w/o Portal Account Requests CWNS Access

## Self Registration

To obtain an account on the EPA Portal, you must be a business partner or affiliate who has business with the Environmental Protection Agency. Please fill out the following information and click submit to request access to the EPA Portal.

**\*\* USE THIS FORM ONLY IF YOU DO NOT HAVE AN epa.gov EMAIL ADDRESS.\*\***

ALL FIELDS ARE REQUIRED

First Name:	<input type="text" value="Clean"/>
Last Name:	<input type="text" value="Watersheds"/>
Email Address: format: emailId@domainname.com	<input type="text" value="watersheds.clean@local.gov"/>
Street Address:	<input type="text" value="123 Town Dr"/>
City:	<input type="text" value="Local City"/>
Country:	<input type="text" value="United States"/>
State/Province/Region:	<input type="text" value="New Jersey"/>
Postal Code:	<input type="text" value="01234"/>
Daytime Phone Number:	<input type="text" value="(123) 345-789"/>
EPA Contact Name:	<input type="text" value="Michael Plastino"/>
EPA Contact's Email Address: format: emailId@domainname.com	<input type="text" value="Plastino.Michael@epamail.epa.gov"/>
EPA Contact's Phone Number: format: (xxx) xxx-xxxx	<input type="text" value="(202) 000-0000"/>

Select the Community from the drop down list that is the reason for your business need to obtain Portal access. Once you gain access to the Portal you will have the ability to request access to additional Communities.

# Local User with Portal Account Requests CWNS Access

Welcome to the EPA Portal  
EMPL Lockheed

[Request Access to a Community](#) | [Personalize Your Portal](#) | [Portal Help](#) | [Logout](#)

Search

**My Page**

**General Pages**

- [My Page](#)
- [EPA Employee Page](#)
- [Team Resources](#)
- [Reference Library](#)

**Access OEI's Symposium**

- [Symposium Information](#)

**Air Analysis**

- [Atmospheric Conditions](#)
- [Chemicals Pollutants & Risk](#)
- [Facilities, Permits & Compliance](#)
- [Source and Facility Emissions](#)


**Emergency Management Community**

- [Emergency Management](#)

**Environmental Science Connector Pages**

- [Environmental Science Connector](#)

**EPA My Page Welcome**



**Welcome to the EPA Portal**

To customize and begin your Portal interactive experience, please [click here](#).

[Take a tour of the EPA Portal](#).

The EPA Portal tour uses Adobe's Flash. [Download the Flash player](#).

**What's Next**

This portlet provides information about upcoming changes that are planned for the Portal and timeframes for implementation. For additional information on these enhancements or changes, please contact the Portal Portfolio Manager, Terry Grady, at [grady.terry@epa.gov](mailto:grady.terry@epa.gov).

**CURRENT RELEASE ENHANCEMENTS FOR VERSION 1.5.1.1:**

Portal Communities and Functions:  
The following changes/enhancements have been made with respect to Portal Communities.

**My Page Favorites**

- [Add New Favorites](#)

**Environmental News**

[Help](#) [Edit Environmental News Source](#)

No environmental news source has been selected. Click 'Edit Environmental News Source' to select an environmental news source.

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# Local User with Portal Account Requests CWNS Access



Welcome to the EPA Portal  
EMPL Lockheed

[Request Access  
to a Community](#)

[Personalize Your Portal](#)

## Select Communities

### General Pages

- [My Page](#)
- [EPA Employee Page](#)
- [Team Resources](#)
- [Reference Library](#)

### Access OEI's Symposium

- [Symposium Information](#)

### Air Analysis

- [Atmospheric Conditions](#)
- [Chemicals Pollutants & Risk](#)
- [Facilities, Permits & Compliance](#)
- [Source and Facility Emissions](#)

### Emergency Management Community

- [Emergency Management](#)

### Environmental Science Connector Pages

- [Environmental Science Connector](#)

### Select Groups

The following list represents the communities that are available to you on the EPA Portal. To join a community, check the box next to the community name. To leave a community, remove the check from the box next to the name. For communities requiring authorization, you will be notified via email when your enrollment in the community is approved. You can join and leave multiple communities at one time. When you are satisfied with your selection, press the 'save subscription' button below. Note: There is a 10 minute delay before you can view the selected groups in the portal.

- Environmental Science Connector
- Geodata Gateway
- Equipment Warehouse Manager
- Equipment Borrower
- Equipment Data Administrator
- Equipment Checkout Staff
- ESE Connection Privileged Access
- ITGSS/Investment (Coming Soon)
- ITGSS/Security (Coming Soon)
- Tribal Water Quality
- National Decontamination Team

The following groups require you to enter extra information

- Clean Watershed Needs Survey

Save Groups

Reset





# Supplemental CWNS Registration Information

## Self Registration


To obtain an account on the EPA Portal, you must be a business partner or affiliate who has business with the Environmental Protection Agency. Please fill out the following information and click submit to request access to the EPA Portal.

### Preliminary User Information

\* What type of Role will you perform?

- Review survey data [Federal User]
- Add/Update survey data [State User]
- Provide feedback on survey data [Local User]

\* Where is the facility located?

New Jersey 

### Comments

Dear Ketan,  
Good to see your name again. I would like to request access to update data for Facility XYZ.

Cancel

Next

# State CWNS Coordinator User Management (Delegated Administration)

# State CWNS Coordinator Logging On



## Welcome to the EPA Portal



[Portal Help](#)

### Login Instructions

If you have an epa.gov email address and LAN account, log in using the following: User Name = your LAN id and Password = your LAN password.  
If you DO NOT have an epa.gov email address and LAN account you will need to request access to the Portal using the "Request Access to the EPA Portal" link below

#### Login

Enter your user name and password to login.

User Name

Password

Login

#### Resources for EPA business partners and affiliates.

If you do not have an epa.gov email address, please click on the appropriate link below.

[Forgot your user-id or password?](#)

[Request Access to the EPA Portal](#)

# State Coordinator - Home Page -> User Management



Welcome to the EPA Portal  
**Clean Watersheds Needs Survey (CWNS)**  
 Ketan Patel  
 NJ State User

[EPA Home](#) [Support](#) [Help](#) [Logout](#)

**Search**

Keyword

[Help](#)

---

**Advanced Search**

---

**Main Menu**

---

**Administration**

[Change Password](#)

[Manage Users \(0 Pending\)](#)

[Manage Document Type](#)

[Manage O & M Category](#)

[Manage Pollution Problem](#)

[Help](#)

---

**Review Status Statistics**

**Facility/Project List**

[Help](#)

**All Facilities**

Select	<a href="#">CWNS Number</a>	<a href="#">Facility/Project Name</a>	<a href="#">Status</a>	<a href="#">County</a>	<a href="#">Feedback Status</a>	<a href="#">Authority</a>
<input type="checkbox"/>	34101813131	<a href="#">3M Industrial Mineral Div.</a>	Federal Accepted	Somerset		3M Industrial Mineral Product Division
<input type="checkbox"/>	34002064021	<a href="#">ABERDEEN TOWNSHIP NPS</a>	Federal Accepted	Monmouth		ABERDEEN TWP UTIL DEPT
<input type="checkbox"/>	34002064001	<a href="#">ABERDEEN- RIVER GARDENS CS</a>	Federal Accepted	Monmouth	Local In Progress	ABERDEEN TWP UTIL DEPT
<input type="checkbox"/>	34030233101	<a href="#">ABEX CORPORATION LF</a>	Federal Accepted	Sussex		MAHWAH, TOWNSHIP OF
<input type="checkbox"/>	34004120001	<a href="#">ABSECON CS</a>	Federal Accepted	Atlantic		ABSECON CITY
<input type="checkbox"/>	34150108101	<a href="#">ACUA SLF</a>	Federal Accepted	Atlantic		ATLANTIC CO UA (CSTL)
<input type="checkbox"/>	34008507001	<a href="#">ALEXANDRIA TWP SEPTICS</a>	State In Progress	Hunterdon	Local In Progress	ALEXANDRIA, TWP OF
<input type="checkbox"/>	34008121021	<a href="#">ALLAMUCHY TOWNSHIP NPS</a>	Federal Accepted	Warren		ALLAMUCHY TOWNSHIP
<input type="checkbox"/>	34008121002	<a href="#">ALLAMUCHY TWP MUA</a>	Federal Accepted	Warren		ALLAMUCHY TOWNSHIP
<input type="checkbox"/>	34008121001	<a href="#">ALLAMUCHY TWP SEPTICS</a>	Deleted	Warren		ALLAMUCHY TOWNSHIP
<input type="checkbox"/>	34001122001	<a href="#">ALLENDALE C.S.</a>	Federal Accepted	Bergen		ALLENDALE, BOROUGH OF
<input type="checkbox"/>	34003504001	<a href="#">ALLENHURST CS.</a>	Federal Accepted	Monmouth		ALLENHURST BOROUGH
<input type="checkbox"/>	34007123001	<a href="#">ALLENTOWN STP</a>	Federal Accepted	Monmouth		ALLENTOWN BOROUGH
<input type="checkbox"/>	34005124001	<a href="#">ALLOWAY TWP SEPTICS</a>	Federal Accepted	Salem		ALLOWAY TOWNSHIP
<input type="checkbox"/>	34008125001	<a href="#">ALPHA CS</a>	Federal Accepted	Warren		ALPHA BOROUGH
<input type="checkbox"/>	34001126001	<a href="#">ALPINE SEPTICS</a>	Federal Accepted	Bergen		ALPINE BOROUGH
<input type="checkbox"/>	34008516001	<a href="#">ANDOVER (PEQ.)SEPTIC</a>	Federal Accepted	Sussex		ANDOVER, BOROUGH OF
<input type="checkbox"/>	34008500001	<a href="#">ANDOVER SEPTICS</a>	Federal Accepted	Sussex		ANDOVER TWP
<input type="checkbox"/>	34001004002	<a href="#">ARTHURKILL WATERSHED</a>	Federal Accepted	Middlesex		NJDEP



# State Coordinator - User Management -> Add New User



Welcome to the EPA Portal  
Clean Watersheds Needs Survey (CWNS)  
Ketan Patel  
NJ State User



[EPA Home](#) [Support](#) [Help](#) [Logout](#)

[home](#) > User Management

## User List



[Help](#)

### Users

Name	Portal Username	Status
<a href="#">Greenberg, Alyse</a>		Active
<a href="#">Hines, Judy</a>		Active
<a href="#">Horiates, Nick</a>		Active
<a href="#">Parada, Luba</a>		Active
<a href="#">Patel, Ketan</a>	Ketan_Patel	Active
<a href="#">Patel, Ketan</a>		Active
<a href="#">Rancan, Helen</a>		Active
<a href="#">Shu, David</a>		Active
<a href="#">Tilvawala, Piyush</a>		Active

|<<| Prev | 1 - 9 of 9 | Next | >>|

[Add User](#)



## User Details



[Help](#)

Please Select a User From the User List

## User Search



[Help](#)

Name:

Location: New Jersey

Type:

Status:

# State Coordinator - User Management -> Add New User



Welcome to the EPA Portal  
Clean Watersheds Needs Survey (CWNS)  
Ketan Patel  
NJ State User

[EPA Home](#) [Support](#) [Help](#) [Logout](#)

[home](#) > User Management

## User List



### Users

[Help](#)

Name	Portal Username	Status
<a href="#">Connors, Matt</a>	mnconnor	Active
<a href="#">Greenberg, Alyse</a>		Active
<a href="#">Hines, Judy</a>		Active
<a href="#">Horiates, Nick</a>		Active
<a href="#">Parada, Luba</a>		Active
<a href="#">Patel, Ketan</a>	Ketan_Patel	Active
<a href="#">Patel, Ketan</a>		Active
<a href="#">Rancan, Helen</a>		Active
<a href="#">Shu, David</a>		Active
<a href="#">Tilvawala, Piyush</a>		Active

|<<| [Prev](#) | 1 - 10 of 11 | [Next](#) | >>|

[Add User](#)

## User Search



[Help](#)

**Name:**

**Location:** New Jersey

**Type:**

**Status:**

**Access Levels:**

- State User Management
- State Reference Admin
- Facility Update
- Submit for Federal Review

## User Details



[Help](#)

### Preliminary User Information

**Does this user have an existing CWIS account?**

- No  
 Yes

CWNS UserId

**Does this user have an existing EPA Portal account?**

- No  
 Yes

Portal UserId

**\* Type of Role this user is expected to perform?**

- Add/Update survey data [State User]  
 Provide feedback on survey data [Local User]

**\* Where are the facilities located?**

New Jersey

# State Coordinator - User Management -> Add New User



Welcome to the EPA Portal  
Clean Watersheds Needs Survey (CWNS)  
Ketan Patel  
NJ State User

[EPA Home](#) [Support](#) [Help](#) [Logout](#)

[home](#) > User Management

## User List



### Users

[Help](#)

Name	Portal Username	Status
<a href="#">Greenberg, Alyse</a>		Active
<a href="#">Hines, Judy</a>		Active
<a href="#">Horiates, Nick</a>		Active
<a href="#">Parada, Luba</a>		Active
<a href="#">Patel, Ketan</a>	Ketan_Patel	Active
<a href="#">Patel, Ketan</a>		Active
<a href="#">Rancan, Helen</a>		Active
<a href="#">Shu, David</a>		Active
<a href="#">Tilvawala, Piyush</a>		Active

|<< | Prev | 1 - 9 of 9 | Next | >>|

[Add User](#)

## User Search



[Help](#)

Name:

Location:

New Jersey

Type:

Status:

## User Details



[Help](#)

### User Profile Information

\*First Name

Clean

\*Last Name

Watersheds

\*Email Address

format: emailld@domainname.com

watersheds.clean@local.gov

\*Street Address

123 Town Dr

\*City

Local City

\*State

New Jersey

\*Postal Code

format: nnnnn

01234

\*Daytime Phone Number

format: (xxx) xxx-xxxx

(123) 456-7890

[Back](#)

[Next](#)

# State Coordinator - User Management -> Add New User -> Approve



Welcome to the EPA Portal  
Clean Watersheds Needs Survey (CWNS)  
Ketan Patel  
NJ State User

[EPA Home](#) [Support](#) [Help](#) [Logout](#)

[home](#) > User Management

## User List ⌵ ✕

### Users [Help](#)

<a href="#">Name</a>	Portal Username	Status
<a href="#">Greenberg, Alyse</a>		Active
<a href="#">Hines, Judy</a>		Active
<a href="#">Horiates, Nick</a>		Active
<a href="#">Parada, Luba</a>		Active
<a href="#">Patel, Ketan</a>	Ketan_Patel	Active
<a href="#">Patel, Ketan</a>		Active
<a href="#">Rancan, Helen</a>		Active
<a href="#">Shu, David</a>		Active
<a href="#">Tilvawala, Piyush</a>		Active
<a href="#">Watersheds, Clean</a>		Pending

|<<| Prev | 1 - 10 of 10 | Next | >>|

[Add User](#)

## User Search ⌵ ✕

**Name:**

**Location:** New Jersey

**Type:** State

## User Details ⌵ ✕

**Name:** Watersheds, Clean

**Status:** Pending

**Email:**

**Phone Number:**

**Registration Email Notification Comments:**

### Roles

Primary	Role	Access	Edit	Delete
<input checked="" type="radio"/>	Local:NJ	Facility Update - Feedback	<input type="text" value="✎"/>	<input type="text" value="✕"/>

[Add Role](#)





# Portlets for Managing the Data Entry Process

# Main Menu -> EPA's Oracle Collaboration Suite (OCS)

The screenshot displays the EPA Portal interface. At the top, a banner reads "Welcome to the EPA Portal Clean Watersheds Needs Survey (CWNS) Ketan Patel". Below this, a browser window titled "Team Resources - Microsoft Internet Explorer" shows a sub-page with "Welcome to the EPA Portal Michael Plastino".

**Main Menu (Left Sidebar):**

- Search
- Advanced Search
- Main Menu
- Create New Facility
- Library
- Web Conferencing
- EPA Collaboration
- AskWATERS reports
- Total Population
- Import Data
- Administrative
- Review Status

**Navigation Links (Top Right):**

- [Request Access to a Community](#)
- [Personalize Your Portal](#)
- [Portal Help](#)
- [Logout](#)

**Team Resources Page Content:**

- Search** (with a red arrow pointing to the search icon)
- General Pages**
  - [My Page](#)
  - [EPA Employee Page](#)
  - [Team Resources](#)
  - [Reference Library](#)
- Access OEI's Symposium**
  - [Symposium Information](#)
- Air Analysis**
  - [Atmospheric Conditions](#)
  - [Chemicals Pollutants & Risk](#)
  - [Facilities, Permits &](#)
- Collaborative Workspace**

Provides collaborative areas for teams and projects. Workspace supports the following services: content libraries, web conferencing and calendar meetings, tasks, announcements, discussions, and messages inbox.

[Enter Collaborative Workspace](#)
- Web Conferencing**

Allows users to host meetings over the Web and enables individuals and groups to meet, communicate, and collaborate with others in a seamless, unified manner.

[Enter Web Conferencing](#)

**Trouble Shooting/New User**  
If you have problems utilizing Web Conferencing, the tools
- Team Resources Favorites**
  - [Add New Favorites](#)
- Team Resource Links**

[Show Info](#)

  - [Contact List / Expert List](#)
  - [EPA Phone Directory](#)
  - [Organizational Chart](#)
- Discussion**

Provides online discussion forums. Post messages and questions, and share ideas on a particular theme or subject.

The browser status bar at the bottom indicates "Trusted sites" and a message: "Only Processed Best management Practices data has been updated."

# Main Menu -> CWNS Library in Oracle Collaboration Suite



Welcome to the EPA Portal  
Clean Watersheds Needs Survey (CWNS)  
Ketan Patel

Current Folder: Library - Microsoft Internet Explorer

## EPA Collaboration Suite Workspaces

[Preferences](#) [Logout](#) [Help](#)

**My Workspaces**

CWNS

[My Workspaces](#) > [CWNS](#) >

You are logged in as: Michael Plastino. Your role is 'Administrator'.

Search

Current Folder: Library

[New Folder](#) [Upload](#) [Go to Content Services](#)

All

Go

Filter By Name  [Go](#)

Library Quota Used: 8% (178.4 of 2,250 MB)

Select items and ... [Add To View](#) [Copy](#) [Move](#) [Delete](#) [Notify](#)

[Select All](#) | [Select None](#)

Select	Name	Action	Status	Size	Last Modified By	Last Modified	Description
<input type="checkbox"/>	Folder CWNS 2008 Workgroup				Michael Plastino	Sep 13, 2007 8:35 AM	Monthly meetings, SLIS, WSS,...
<input type="checkbox"/>	Folder Needs Documentation Support				Jim Preston	Oct 19, 2007 2:21 PM	Contains supporting...
<input type="checkbox"/>	Folder Trash				system	Oct 26, 2007 4:15 PM	
<input type="checkbox"/>	Folder ZZZ - Archives, CWNS 2004				Michael Plastino	Oct 15, 2007 1:34 PM	

No existing linked content

Contains linked content

[New Folder](#) [Upload](#) [Go to Content Services](#)

[My Workspaces](#) | [Preferences](#) | [Logout](#) | [Help](#)

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Trusted sites

10-Nov-04 01:44 PM

Unit Process/Best Management Practice data has been updated.

Search

Advanced Search

Main Menu

Create New Facility

Library

Web Conference

EPA Collaboration

AskWATERS report

Total Population

Import Data

Administrative

Review Status

# Finding Facilities / Projects of Interest



## Welcome to the EPA Portal Clean Watersheds Needs Survey (CWNS)

Ketan Patel  
NJ State User

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### Search

Keyword

### Facility/Project List

#### Facilities based on advance search:

[Display All Facilities](#)

Select	CWNS Number	Facility/Project Name	Status	County	Feedback Status	Authority
<input type="checkbox"/>	34008507001	<a href="#">ALEXANDRIA TWP SEPTICS</a>	State In Progress	Hunterdon	Local In Progress	ALEXANDRIA, TWP OF
<input type="checkbox"/>	34004001022	<a href="#">ATLANTIC COUNTY UA - NPS</a>	State In Progress	Atlantic	Local Assigned	ATLANTIC CO UA (CSTL)
<input type="checkbox"/>	34004001002	<a href="#">ATLANTIC COUNTY UA LANDFILL</a>	State In Progress	Atlantic	Local Assigned	ATLANTIC CO UA (CSTL)
<input type="checkbox"/>	34004001001	<a href="#">ATLANTIC COUNTY UTILITIES AUTH WWTF</a>	State In Progress	Atlantic	Local Assigned	ATLANTIC CO UA (CSTL)
<input type="checkbox"/>	34004002121	<a href="#">Atlantic County - CAFO</a>	State In Progress	Atlantic	Local Assigned	Atlantic County Government

[Select All](#) | [Clear All](#) | [Import](#) | [Export](#)  
[Federal Review Requested](#) | [Local Assigned](#)

<< | Prev | 1 - 5 of 5 | Next | >>

### Advanced Search

### Main Menu

### Administration

### Review Status Statistics

Status	Total
Federal Accepted	<a href="#">2011</a>
Federal Review Requested	0
Federal Review Correction	0
State Assigned	0
<b>State In Progress</b>	<b>5</b>
State Correction Requested	0
<b>Total</b>	<b><a href="#">2016</a></b>
Deleted	<a href="#">56</a>
<b>Feedback Status</b>	
Local Assigned	<a href="#">4</a>
Local In Progress	<a href="#">3</a>
State Review Requested	0
State Annlied	0

### Announcements

Date	Message
09-Sep-07 03:57 PM	All facilities/projects have to be submitted for review by 2008/10/31
11-Nov-05 12:00 AM	Construction Cost Index data has been updated.
03-Oct-05 12:00 AM	All facilities are open for updating.
31-May-05 12:00 AM	National Estuary Program flag updated.
07-Mar-05 05:53 PM	Document Type data has been updated.
19-Feb-05 08:00 AM	You can continue to update HR'ed facilities.
08-Feb-05 12:00 AM	Construction Cost Index data has been updated.
22-Jan-05 03:23 PM	Construction Cost Index data has been updated.
22-Jan-05 03:23 PM	Construction Cost Index data has been updated.

# Finding Facilities / Projects of Interest -> Selecting a Facility / Project



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**Search** ⌵

Keyword

[Help](#)

**Advanced Search** ⌵

[Help](#)

Review Status	<input type="button" value="Federal Accepted"/> <input type="button" value="Federal Review Requested"/> <input type="button" value="Federal Review Correction"/>
Facility/Project Name	<input type="text"/>
Overall Type	<input type="button" value="Nonpoint Source"/> <input type="button" value="Onsite Wastewater Treatment"/> <input type="button" value="Storm Water"/>
Authority	<input type="text"/>
System Name	<input type="text"/>
County/FIPS	<input type="text"/>
Watershed	<input type="text"/>
Total Needs	<input type="text"/> (\$, Federal, Adjusted)
Documentation	<input type="text"/>

**Facility/Project List** ⌵

[Help](#)

Facilities based on advance search:  
[Display All Facilities](#)

Select	CWNS Number	Facility/Project Name	Status	County	Feedback Status	Authority
<input type="checkbox"/>	34008507001	<a href="#">ALEXANDRIA TWP SEPTICS</a>	State In Progress	Hunterdon	Local In Progress	ALEXANDRIA, TWP OF
<input type="checkbox"/>	34004001022	<a href="#">ATLANTIC COUNTY UA - NPS</a>	State In Progress	Atlantic	Local Assigned	ATLANTIC CO UA (CSTL)
<input type="checkbox"/>	34004001002	<a href="#">ATLANTIC COUNTY UA LANDFILL</a>	State In Progress	Atlantic	Local Assigned	ATLANTIC CO UA (CSTL)
<input type="checkbox"/>	34004001001	<a href="#">ATLANTIC COUNTY UTILITIES AUTH WWTF</a>	State In Progress	Atlantic	Local Assigned	ATLANTIC CO UA (CSTL)
<input type="checkbox"/>	34004002121	<a href="#">Atlantic County - CAFO</a>	State In Progress	Atlantic	Local Assigned	Atlantic County Government

[Select All](#) | [Clear All](#) | [Import](#) | [Export](#) | [Federal Review Requested](#) | [Local Assigned](#)

|<< | Prev | 1 - 5 of 5 | Next | >>|

**Announcements** ⌵

[Help](#)

Date	Message
09-Sep-07 03:57 PM	All facilities/projects have to be submitted for review by 2008/10/31
11-Nov-05 12:00 AM	Construction Cost Index data has been updated.
03-Oct-05 12:00 AM	All facilities are open for updating.
31-May-05 12:00 AM	National Estuary Program flag updated.
07-Mar-05 05:53 PM	Document Type data has been updated.
10-Feb-05 08:00 AM	You can continue to update HPLed facilities

# Facility / Project Home Screen



Welcome to the EPA Portal  
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home > Facility/Project

Facility: 34004001001 - ATLANTIC COUNTY UTILITIES AUTH WWTF

- Facility/Project Menu
- Summary
- Review Status
- Review Comments
- NPDES Permit Search
- Point of Contact Search

- Facility
- Location
- Needs
- Population & Flow
- Discharge & Effluent
- Pollution
- Unit Process
- Utility

## Facility Information

Name: ATLANTIC COUNTY UTILITIES AUTH WWTF

Description:

CWIS Number: 34004001001

System Name: Atlantic County UA system

Owner: Public  Military



## Facility Type

Type	Present	Projected	Change	Edit
Treatment Plant	✓	✓	Increase Capacity	
Collection: Separate Sewers	✓	✓	Rehabilitation Replacement	

[Add Type](#)

## Permits

# Facility / Project Home Screen -> Review Comments



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home > Facility/Project Facility: 34004001001 - ATLANTIC COUNTY UTILITIES AUTH WWTF

**Facility/Project Menu**

**Summary**

**Review Status**

**Review Comments**

**NPDES Permit Search**

Facility
Location
Needs
Population & Flow
Discharge & Effluent
Pollution
Unit Process
Utility

**Facility Information**

**Name:** ATLANTIC COUNTY UTILITIES AUTH WWTF

**Description:**

**CWIS Number:** 34004001001

**System Name:** Atlantic County UA system

**Owner:** Public  Military

**Facility Type**

Type	Present	Projected	Change	Edit
Treatment Plant	✓	✓	Increase Capacity	
Collection: Separate Sewers	✓	✓	Rehabilitation Replacement	

[Add Type](#)

**Permits**

**Review Status**

Status: State In Progress

Feedback Status: Local Assigned

**Review Comments**

Survey  Feedback

Author/Date	Comment
Mark Sievers 05/06/2005 13:47	User: Mark Sievers Date: 05-06- <a href="#">More...&gt;</a>

[View All](#) | [Prev](#) | 1 - 1 of 1 | [Next](#)

[Add Comment](#)

I have addressed Mr Sievers questions, please see the Needs data area

←


# Data Entry Screens

NPDES data copied to  
many Data Areas



# Facility / Project Home Screen -> NPDES Search Portlet

**Facility/Project Menu**

Fact Sheet 

**Summary**

**Review Status**

Status: State In Progress

Feedback Status:

Save

**Review Comments**

**NPDES Permit Search**

Keyword: atlantic cnty

Select	Info
<input checked="" type="checkbox"/>	<p><a href="#">NJ0148016</a></p> <p>Permit Type: General</p> <p>County: ATLANTIC</p>

<< | Prev | 1 - 1 of 1 | Next | >>

**Associate with Facility**

**Point of Contact Search**

Facility | Location | Needs | Population & Flow | Discharge & Effluent | Pollution | Unit Process | Utility

**Facility Information**

Name: ATLANTIC COUNTY UTILITIES AUTH WWTF

Description:



CWIS Number: 34004001001

System Name: Atlantic County UA system

Owner: Public  Military

Save reset

**Facility Type**

Type	Present	Projected	Change	Edit
Treatment Plant	✓	✓	Increase Capacity	
Collection: Separate Sewers	✓	✓	Rehabilitation Replacement	

[Add Type](#)

**Permits**

NPDES	Permit Number	Type	Use Data
✓	<a href="#">NJ0024473</a>	Discharge	✓

# Facility Data Area - Permit Added

Facility
Location
Needs
Population & Flow
Discharge & Effluent
Pollution
Unit Process
Utility Manag

Facility/Project Menu

Fact Sheet

Summary

Review Status

Status: State In Progress ▼

Feedback Status: ▼

Save

Review Comments

NPDES Permit Search

Keyword: atlantic county

No records found.

Point of Contact Search

## Facility Information

**Name:** ATLANTIC COUNTY UTILITIES AUTH WWTF

**Description:**

**CWIS Number:** 34004001001

**System Name:** Atlantic County UA system

**Owner:** Public  Military

Save    reset

## Facility Type

Type	Present	Projected	Change	Edit
Treatment Plant	✓	✓	Increase Capacity	
Collection: Separate Sewers	✓	✓	Rehabilitation Replacement	

[Add Type](#)

## Permits

NPDES	Permit Number	Type	Use Data	Edit
✓	<a href="#">NJ0024473</a>	Discharge	✓	
✓	<a href="#">NJ0148016</a>	General		

# NPDES Permit Data copied to... Point of Contact (Facility Data Area)

## Permits

NPDES	Permit Number	Type	Use Data	Edit	Delete
✓	<a href="#">NJ0024473</a>	Discharge	✓		
✓	<a href="#">NJ0148016</a>	General			
✓	<a href="#">NJ0159913</a>	General			

[Add Permit](#)

## Point of Contact

Responsible Entity	Authority	Role/Title	Contact Name	Phone	Email	Tribe	Edit	Delete	Edit	Delete
	ATLANTIC CNTY UA		WILLIAM HILLER	6093437728						
✓	ATLANTIC CO UA (CSTL)		President	6092726982						

[Add Point of Contact](#)

# NPDES Permit Data copied to... Location → Address & Coordinates



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home > Facility/Project

Facility: 34004001001 - ATLANTIC COUNTY UTILITIES AUTH VVWTF

- Facility/Project Menu
- Summary
- Review Status
- Review Comments

- Facility
- Location
- Needs
- Population & Flow
- Discharge & Effluent
- Pollution
- Unit Process
- Utility Management

## Location Information

### Address

Address: 1801 ABSECON BLVD      Source: Envirofacts  
Address 2:  
City: ATLANTIC CITY  
State: NJ  
Zip Code: 08401

### Coordinates

[Use Map to Get Information](#)

Location Description:      Source: Envirofacts  
Method: GPS-Other  
Datum: North American Datum of 1983      Scale: N  
Latitude: 39.2234      Latitude Direction: NORTH  
Longitude: 74.2651      Longitude Direction: WEST  
 Within Tribal Territory

# NPDES Permit Data copied to... Flow Portlet



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[Home](#) > Population & Flow

Facility: 34004001001 - ATLANTIC COUNTY UTILITIES AUTH WWTF

Facility Location Needs **Population & Flow** Discharge & Effluent Pollution Unit Process Utility Management

## NPDES Permit Flow Data

Permit Number: NJ00020923

Pipe: 001-1 Municipal Wastewater

Start Date: 5/31/05

End Date: 4/30/06

Search:

Date	Maximum Quantity (MGD)	Average Quantity (MGD)
30-Apr-06	0.2185	0.1847
31-Mar-06	0.304	0.2433
28-Feb-06	0.4449	0.329
31-Jan-06	0.7366	0.2859
31-Dec-05	0.5951	0.3183
30-Nov-05	0.5891	0.3236
31-Oct-05	0.7654	0.3667
30-Sep-05	0.4070	0.1875
31-Aug-05	0.4484	0.2344
31-Jul-05	0.4968	0.2612
30-Jun-05	0.7263	0.32
31-May-05	0.4817	0.2625
<b>Average</b>	<b>0.5782</b>	<b>0.3822</b>

Present Design Flow: 0.5 MGD

## Flow Information

	Existing	Present Design	Projected Design
Municipal Flow (MGD)	31.333	40.0	50.0
Industrial Flow (MGD)			
Infiltration Flow (MGD)			
<b>Total Flow (MGD)</b> <input type="button" value="enable"/>	31.333	40.0	50.0
Wet Weather Flow (Peak) (MGD)			
<i>Flow to Population Ratio (GPCD)</i>	94.5	120.7	108.7

## Population Information

	Resident Population			Non-Resident Population		
	Present	Projected	Projected Year	Present	Projected	Projected Year
Receiving Collection	25385	40385		261867	324715	
Upstream Collection <a href="#">details</a>	129295	192990		32711	53000	
<b>Total Receiving Treatment</b>	<b>154680</b>	<b>233375</b>		<b>294578</b>	<b>377715</b>	

# Flow Portlet


## NPDES Permit Flow Data

Permit Number: NJ00020923

Pipe: 001-1 Municipal Wastewater

Start Date: 5/31/05

End Date: 4/30/06

Search: 

Date	Maximum Quantity (MGD)	Average Quantity (MGD)
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31-Jul-05	0.4968	0.2612
30-Jun-05	0.7263	0.32
31-May-05	0.4817	0.2625
<b>Average</b>	<b>0.5782</b>	<b>0.3822</b>

**Present Design Flow: 0.5 MGD**

For Conference Purposes Only

# NPDES Permit Data copied to... Effluent & DMR Portlet



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 NJ State User

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[Home](#) > Discharge and Effluent

Facility: 34004001001 - ATLANTIC COUNTY UTILITIES AUTH WWTF

Facility Location Needs Population & Flow **Discharge & Effluent** Pollution Unit Process Utility Management

### NPDES Permit Effluent & DMR Data

Permit Number: [NJ00020923](#)

Pipe: 001-1 Municipal Wastewater

Limit Type	Parameter	Concentration			Units
		Max	Ave	Min	
Final	FLOW, IN CONDUIT OR THRU TREATMENT PLANT <a href="#">DMR</a>				
Final	BOD, CARBONACEOUS 05 DAY, 20C	15	10		mg/L
Final	BOD, CARB-5 DAY, 20 DEG C, PERCENT REMVL				
Final	OXYGEN DISSOLVED (DO)			6	mg/L
Final	SOLIDS, SUSPENDED PERCENT REMOVAL			85	%
Final	SOLIDS, TOTAL SUSPENDED	45	30		mg/L
Final	NITROGEN, AMMONIA TOTAL (AS N)	7.5	5		mg/L
Final	NITROGEN, AMMONIA TOTAL (AS N)	3	2		mg/L
Final	CHLORINE, TOTAL RESIDUAL	0.019	0.010		mg/L
Final	COLIFORM, FECAL GENERAL	400	200		#/100 ml

1-10 of 11 | [Next](#) | [All](#)

## Discharge Information

Method	Present	Flow Portion %	Projected	Flow Portion %	Location	Edit	Delete
Outfall To Surface Waters	✓		✓				

[Add Discharge](#)

## Effluent Information

	Present	Projected
<b>Treatment Level</b>	Secondary	Secondary
<b>Advance Treatment Indicators</b>		
BOD < 30mg/l	<input type="checkbox"/>	<input type="checkbox"/>
Nitrogen Removal	<input type="checkbox"/>	<input type="checkbox"/>
Phosphorous Removal	<input type="checkbox"/>	<input type="checkbox"/>
Ammonia Removal	<input type="checkbox"/>	<input type="checkbox"/>
Mercury Removal	<input type="checkbox"/>	<input type="checkbox"/>
Synthetic Organic Removal	<input type="checkbox"/>	<input type="checkbox"/>
Nutrient Removal	<input type="checkbox"/>	<input type="checkbox"/>

[Save](#) [reset](#)

# Effluent & DMR Portlet

## NPDES Permit Effluent & DMR Data

Permit Number: [NJ00020923](#)

Pipe: 001-1 Municipal Wastewater

Limit Type	Parameter	Concentration			Units
		Max	Ave	Min	
Final	FLOW, IN CONDUIT OR THRU TREATMENT PLANT <a href="#">...DMR</a>				
Final	BOD, CARBONACEOUS 05 DAY, 20C	15	10		mg/L
Final	BOD, CARB-5 DAY, 20 DEG C, PERCENT REMVL				
Final	OXYGEN DISSOLVED (DO)			6	mg/L
Final	SOLIDS, SUSPENDED PERCENT REMOVAL			85	%
Final	SOLIDS, TOTAL SUSPENDED	45	30		mg/L
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Final	NITROGEN, AMMONIA TOTAL (AS N)	3	2		mg/L
Final	CHLORINE, TOTAL RESIDUAL	0.019	0.010		mg/L
Final	COLIFORM, FECAL GENERAL	400	200		#/100 ml

1-10 of 11 | [Next](#) | [All](#)



# DMR (Discharge Monitoring Report) Details

**Close**

## DMR Data For Flow, in Conduit Or Thru Treatment Plant

Monitoring Period End Date	No Discharge Indication	Measurement Quantity Avg.	Measurement Quantity Max.	Measurement Quantity Min.	Measurement Conc. Avg.	Measurement Conc. Max.	Qty Units	Conc. Units
1/31/04	B							
2/29/04					64.1	64.1		
3/31/04					88.8	88.8		
4/30/04					70	86		
5/31/04					110	110		
6/30/04	C							
7/31/04					149	247		
8/31/04					86.1	86.1		
9/30/04					95	111		
10/31/04	C							
11/30/04					46	57		
12/31/04					93	116		
1/31/05					90	90		
2/28/05	C							
3/31/05					88	91		
4/30/05					49	49		
5/31/05					15	38		
6/30/05					43	24		
7/31/05					26	40		
8/31/05					4.3	4.3		
9/30/05	C							
10/31/05					25	28		
11/30/05					94	94		
12/31/05					33	94		
1/31/06					67	68		

# Data Entry Screens

Needs Data

- Core Functionality -

# Needs Data Area – Detailed Costs for Selected Document

Summary | Facility | Location | Needs | Population & Flow | Discharge & Effluent | Pollution | Unit Process | Utility Management

Capital Costs | Funding | O & M

Review Status

Review Comments

Document Search

## Needs By Document

Document Title	Type	Published Date	Author	Need Type	Adjusted Total(\$)	Submit Updated Document	Footnotable	Engineer's Certification of Outdated Document	Edit	Delete
<a href="#">Clean Water Financing PS, IUP and PPL</a>	01	04/19/2000	NJDEP							
<a href="#">NEW JERSEY 2004 INTENDED USE PLAN</a>	01	11/05/2003	NJDEP	Federal	\$31,230,000					
<a href="#">Recharge Cohansy Aquifer</a>	23	09/20/2004	Atlantic County M.U.A	Federal	\$935,000		✓			
<a href="#">Reclaim Water Beneficial Reuse Projects</a>	23	09/17/2004	Atlantic County Utilities Auth	Federal	\$6,062,000		✓			
<a href="#">UPDATED AUTHORITY'S 5YR CIP</a>	20	04/15/2005	ATLANTIC COUNTY U.A.	Federal	\$28,567,000					
<b>Total</b>				<b>Federal</b>	<b>\$66,794,000</b>					

[Add Document](#)

---

## Capital Costs

*Adjusted to January 2004*

Category	Classification	Cost Type	Need Type	Base (\$)	Adjusted (\$)	% SRF Eligible	Sanitary Sewer Overflow	Edit	Delete
I: Secondary Treatment		D	Federal	26,861,000	26,984,000				
III-B: Replace/Rehab of Sewers		D	Federal	4,227,000	4,246,000				

[Add Cost](#)

# Needs Data Area – Add / Edit Costs for Selected Document

Summary Facility Location Needs Population & Flow Discharge & Effluent Pollution Unit Process Utility Management

Capital Costs Funding O & M

Review Status

Review Comments

Document Search

## Needs By Document

Document Title	Type	Published Date	Author	Need Type	Adjusted Total(\$)	Submit Updated Document	Footnotable	Engineer's Certification of Outdated Document	Edit	Delete
<a href="#">Clean Water Financing PS, IUP and PPL</a>	01	04/19/2000	NJDEP							
<a href="#">NEW JERSEY 2004 INTENDED USE PLAN</a>	01	11/05/2003	NJDEP	Federal	\$31,230,000					
<a href="#">Recharge Cohansy Aquifer</a>	23	09/20/2004	Atlantic County M.U.A	Federal	\$935,000		✓			
<a href="#">Reclaim Water Beneficial Reuse Projects</a>	23	09/17/2004	Atlantic County Utilities Auth	Federal	\$6,062,000		✓			
<a href="#">UPDATED AUTHORITY'S 5YR CIP</a>	20	04/15/2005	ATLANTIC COUNTY U.A.	Federal	\$28,567,000					
<b>Total</b>				<b>Federal</b>	<b>\$66,794,000</b>					

[Add Document](#)

---

## Capital Costs

*Adjusted to January 2004*

Category	Classification	Cost Type	Need Type	Base (\$)	Adjusted (\$)	% SRF Eligible	Sanitary Sewer Overflow	Edit	Delete
I: Secondary Treatment		D	Federal	26,861,000	26,984,000				
III-B: Replace/Rehab of Sewers		D	Federal	4,227,000	4,246,000				

[Add Cost](#)

# Needs Data Area – Add / Edit Costs for Selected Document

## Capital Costs

*Adjusted to January 2004*

Category	Classification	Cost Type	Need Type	Base (\$)	Adjusted (\$)	% SRF Eligible	Sanitary Sewer Overflow	Edit	Delete
I: Secondary Treatment		D	Federal	26,861,000	26,984,000				
III-B: Replace/Rehab of Sewers		D	Federal	4,227,000	4,246,000				

## Add/Edit Cost

\* **Category:** IV-A: New Collector Sewers

**Classification:** Select a Classification

\* **Need Type:** Federal

\* **Base Amount (\$):**

\* **SRF Eligible (%):**

\* **Separate Sewer Overflow:** Select an SSO Type

**Cost Method:** Documented

**Adjusted Amount (\$):** 0

Save

Cancel

## Cost Curves

Cost Curve	Assigned	Cost Allocated	Error
Increase Flow Capacity	<input type="checkbox"/>		
Separate Sewer Systems Rehabilitated/Replaced	<input type="checkbox"/>		

# Data Entry Screens

Needs Data

- Document Management  
Support -

# Search EDMS for CWNS Documents

Summary

Review Status

Review Comments

Document Search

Document Type: 01 - Intended Use Plan

Published Date:

From:

Published Date To:

Keyword:

Select Info

- Type: Intended Use Plan  
Title: 2001 SRF/IUP Priority List  
Author: Oregon DEQ  
Published date: 11/23/1998
- Type: Intended Use Plan  
Title: CWF Intent to Apply  
Author: City of Edgerton  
Published date: 03/26/2001
- Type: Intended Use Plan  
Title: CWSRF Project Priority List - FY2005  
Author: ND Dept. of Health  
Published date: 01/06/2005
- Type: Intended Use Plan  
Title: 1995 Intended Use Plan  
Author: Jay, Mercer & Associates  
Published date: 06/17/1994
- Type: Intended Use Plan  
Title: 06  
Author: PEH  
Published date: 02/14/1990

Facility | Location | Needs | Population & Flow | Discharge & Effluent | Pollution | Unit Process

Capital Costs | Funding | O & M

## Needs By Document

Document Title	Type	Published Date	Author	Need Type	Adjusted Total(\$)	Submit Updated Document	Footnotable	Engi Certifi of Ou Doc
<a href="#">Clean Water Financing PS, IUP and PPL</a>	01	04/19/2000	NJDEP					
<a href="#">NEW JERSEY 2004 INTENDED USE PLAN</a>	01	11/05/2003	NJDEP	Federal	\$31,230,000			
<a href="#">Recharge Cohansy Aquifer</a>	23	09/20/2004	Atlantic County M.U.A	Federal	\$935,000		✓	
<a href="#">Reclaim Water Beneficial Reuse Projects</a>	23	09/17/2004	Atlantic County Utilities Auth	Federal	\$6,062,000		✓	
<a href="#">IUPDATED AUTHORITY'S SYR CIP</a>	20	04/15/2005	ATLANTIC COUNTY U.A.	Federal	\$28,567,000			
<b>Total</b>				<b>Federal</b>	<b>\$66,794,000</b>			

[Add Document](#)

## Capital Costs

*Adjusted to January 2004*

Category	Classification	Cost Type	Need Type	Base (\$)	Adjusted (\$)	% SRF Eligible	Sanitary S Overfl
I: Secondary Treatment		D	Federal	26,861,000	26,984,000		
III-B: Replace/Rehab of Sewers		D	Federal	4,227,000	4,246,000		

[Add Cost](#)

# Upload a New Document

Document Title	Type	Published Date	Author	Need Type	Adjusted Total(\$)	Submit Updated Document	Footnotable	Engineer's Certification of Outdated Document	Edit	Delete
<a href="#">Clean Water Financing PS, IUP and PPL</a>	01	04/19/2000	NJDEP							
<a href="#">JONES/STITES/CARINO/TAYLOR CREEK ESTUARY (NJ 16-000 JONES/STITES/CARINO/TAYLOR CREEK ESTUAR)</a>	11	01/01/2004	Impaired Waters Database						+	
<a href="#">NEW JERSEY 2004 INTENDED USE PLAN</a>	01	11/05/2003	NJDEP	Federal	\$31,230,000					
<a href="#">Recharge Cohansy Aquifer</a>	23	09/20/2004	Atlantic County M.U.A	Federal	\$935,000		✓			
<a href="#">Reclaim Water Beneficial Reuse Projects</a>	23	09/17/2004	Atlantic County Utilities Auth	Federal	\$6,062,000		✓			
<a href="#">UPDATED AUTHORITY'S 5YR CIP</a>	20	04/15/2005	ATLANTIC COUNTY U.A.	Federal	\$28,567,000					
<b>Total</b>				<b>Federal</b>	<b>\$66,794,000</b>					

[Add Document](#)

\* Document File:



# Enter Metadata for Newly Uploaded Document

Document Title	Type	Published Date	Author	Need Type	Adjusted Total(\$)	Submit Updated Document	Footnotable	Engineer's Certification of Outdated Document	Edit	Delete
<a href="#">Clean Water Financing PS, IUP and PPL</a>	01	04/19/2000	NJDEP							
<a href="#">NEW JERSEY 2004 INTENDED USE PLAN</a>	01	11/05/2003	NJDEP	Federal	\$31,230,000					
<a href="#">Recharge Cohansy Aquifer</a>	23	09/20/2004	Atlantic County M.U.A.	Federal	\$935,000		✓			
<a href="#">Reclaim Water Beneficial Reuse Projects</a>	23	09/17/2004	Atlantic County Utilities Auth	Federal	\$6,062,000		✓			
<a href="#">UIPATED AUTHORITY'S 5YR CIP</a>	20	04/15/2005	ATLANTIC COUNTY U.A.	Federal	\$28,567,000					
<b>Total</b>				<b>Federal</b>	<b>\$66,794,000</b>					

## Document Details

\* **Document Type:**   **Filter:**

\* **Published Date:**   (mm/dd/yyyy)

\* **Document Title:**

\* **Document Author:**

**This document can be shared with the public**

**Engineer's Certification of outdated document**

**Narrative:**

Describe how this document relates to Needs being entered, referencing relevant page/section numbers.

\* **Base Month/Year of Cost Information**   (mm/yyyy)

# Annotate a Document

Comment & Markup



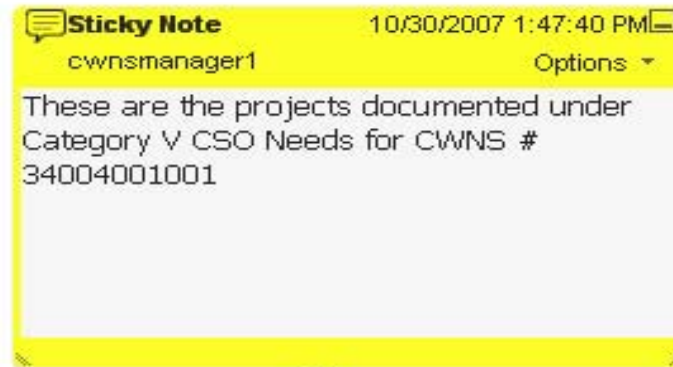
Mr. Stanley Cach, Bureau Chief  
Department of Environmental Protection  
NJDEP - Municipal Finance  
Bureau of Engineering – North  
401 E. State Street - 3<sup>rd</sup> Floor  
CN 425  
Trenton, New Jersey 08625

**Re: 2002 Clean Water Needs Survey**

Dear Mr. Cach:

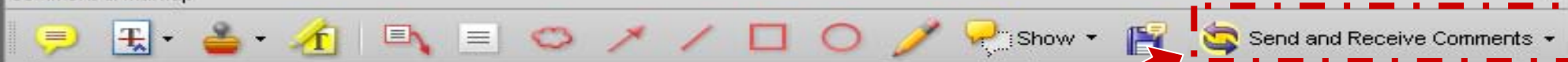
As requested by your office, we have estimated the costs of providing post netting disinfection to the CSOs located in Elizabeth, New Jersey. We feel the use of chlorine gas or sodium hypochlorite would be inappropriate in a City setting, and have therefore estimated the costs for post netting disinfection based upon the use of ultraviolet disinfection.

Total projects costs for the 34 sites are estimated to range between \$80 and \$90 million. This estimate in no way commits the City to providing such facilities or even to supporting the concept of CSO disinfection, but rather is provided for the purpose of completing the Department's clean water needs survey.



# Submit Annotations


Comment & Markup



Mr. Stanley Cach, Bureau Chief  
Department of Environmental Protection  
NJDEP - Municipal Finance  
Bureau of Engineering – North  
401 E. State Street - 3<sup>rd</sup> Floor  
CN 425  
Trenton, New Jersey 08625

**Sticky Note** 10/30/2007 1:46:40 PM  
cwnsmanager1 Options  
These are the projects documented under  
Category V CSO Needs for CWNS #  
34004001001

**Send Comments**

 You are about to upload your comments to the server, where they will be posted for other reviewers to see. This action cannot be undone.

Are you sure you want to send your comments to the server now?

Do not show this message again

Send Cancel

post netting  
chlorine gas  
ve therefore  
F ultraviolet

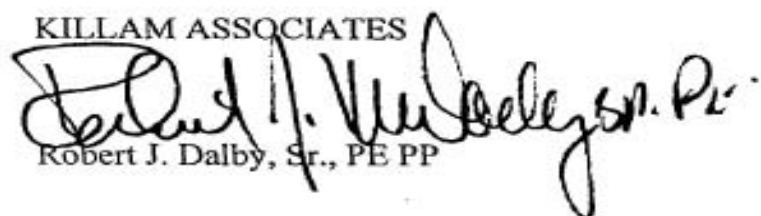
\$90 million.

This estimate in no way commits the City to providing such facilities or even to supporting the concept of CSO disinfection, but rather is provided for the purpose of completing the Department's clean water needs survey.

If you have any questions, please feel free to call.

Very truly yours,

KILLAM ASSOCIATES



Robert J. Dalby, Sr., PE PP

# Data Entry Screens

Needs Funding Data

- Use Clean Water State  
Revolving Fund (CWSRF)

Data -

# Find & Select CWSRF Loan Information



Clean Watersheds Needs Survey (CWNS)  
Ketan Patel  
NJ State User

[EPA Home](#) [Support](#) [Help](#) [Logout](#)

[home](#) > Needs

Facility: 34004001001 - ATLANTIC COUNTY UTILITIES AUTH WWTF

- Summary
- Review Status
- Review Comments

- Facility
  - Location
  - Needs
  - Population & Flow
  - Discharge & Effluent
  - Pollution
  - Unit Process
  - Utility Mar
- Capital Costs
  - Funding
  - O & M

### CBR Search

Borrower: cape may

Tracking #:

Execution Start Date:

Execution End Date:

Associated with current Facility/Project in CBR

Associated with current Facility/Project's NPDES Permit(s) in CBR

Search

Select	Loan Info
<input type="checkbox"/>	<p>Borrower: Cape May Point Borough Tracking #: <a href="#">S340005-01</a> Loan Execution Date: 11/10/2005 Total: \$161,766</p> <p>Project: 15 Facility Name: Cape May Point Borough</p> <p>Category: III-B Sewer System</p> <p><input checked="" type="checkbox"/> Rehabilitation Amount: \$161,766</p>

|<< | Prev | 1 - 1 of 1 | Next | >>|

Associate with Facility

### Funding Source

Type	Agency / Program	Award Date	Loan Number	Source	Project	Cost Category	Amount	% Funded by CWSRF	Consistent with CBR
------	------------------	------------	-------------	--------	---------	---------------	--------	-------------------	---------------------

[Add Funding Source](#)



# CWSRF Load Information added to Needs Funding Area



Welcome to the EPA Portal  
Clean Watersheds Needs Survey (CWNS)  
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NJ State User



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[home](#) > Needs

Facility: 34004001001 - ATLANTIC COUNTY UTILITIES AUTH WWTF

Summary

Facility

Location

Needs

Population & Flow

Discharge & Effluent

Pollution

Unit Process

Utility Mar

Review Status

Capital Costs

Funding

O & M

Review Comments

CBR Search

Borrower

Tracking #

Execution Start Date

Execution End Date

Associated with current Facility/Project in CBR

Associated with current Facility/Project's NPDES Permit(s) in CBR

Search

Select

## Funding Source

Type	Agency / Program	Award Date	Loan Number	Source	Project	Cost Category	Amount	% Funded by CWSRF	Consistent with CBR
Loan	SRF	11/10/2005	<a href="#">S340005-01</a>	Federal/State	15	III-B Sewer System Rehabilitation	\$161,766		✓
<b>Total</b>							<b>\$161,766</b>		

[Add Funding Source](#)



# Add State managed Funding data to Needs Funding Area



Welcome to the EPA Portal  
Clean Watersheds Needs Survey (CWNS)  
Ketan Patel  
NJ State User

[EPA Home](#) [Support](#) [Help](#) [Logout](#)

[home](#) > Needs

Facility: 34004001001 - ATLANTIC COUNTY UTILITIES AUTH WWTF

Summary | Facility | Location | **Needs** | Population & Flow | Discharge & Effluent | Pollution | Unit Process | Utility Management

Capital Costs | Funding | O & M

- Summary
- Review Status
- Review Comments
- CBR Search

## Funding Source

Type	Agency / Program	Award Date	Loan Number	Source	Project	Cost Category	Amount	% Funded by CWSRF	Consistent with CBR	Edit	Delete
Loan	SRF	11/10/2005	<a href="#">S340005-01</a>	Federal/State	15	III-B Sewer System Rehabilitation	\$161,766		✓		✗
<b>Total</b>							<b>\$161,766</b>				

## Add/Edit Funding Source

\* Type:

\* Agency/Program:  ←

\* Award Date:  (mm/dd/yyyy)

\* Loan Number:

\* Source:

\* Total(\$):

\* % Funded by CWSRF:

# Add State managed Funding data to Needs Funding Area



Welcome to the EPA Portal  
Clean Watersheds Needs Survey (CWNS)  
Ketan Patel  
NJ State User



[EPA Home](#) [Support](#) [Help](#) [Logout](#)

[home](#) > Needs

Facility: 34004001001 - ATLANTIC COUNTY UTILITIES AUTH WWTF

- Summary
- Review Status
- Review Comments
- CBR Search

Facility Location Needs Population & Flow Discharge & Effluent Pollution Unit Process Utility Management

Capital Costs Funding O & M

## Funding Source

Type	Agency / Program	Award Date	Loan Number	Source	Project	Cost Category	Amount	% Funded by CWSRF	Consistent with CBR	Edit	Delete
Grant	CDBG	10/28/2005	ABC-1234	Private			\$1,000,000	0			
Loan	SRF	11/10/2005	<a href="#">S340005-01</a>	Federal/State	15	III-B Sewer System Rehabilitation	\$161,766				
<b>Total</b>							<b>\$1,161,766</b>				

[Add Funding Source](#)



# Data Entry Screens

## Use Impaired Waters Listing to Document Needs

# Find Impaired Waters in Search Portlet – Associate with Facility

### Impaired Waters Search

Distance(Miles)   
 Watershed   
 Keyword Only   
Keyword

All  TMDL Completed  TMDL Needed

Select	Information
<input checked="" type="checkbox"/>	List ID: <a href="#">NJ 16-0005 JONES/STITES/CARINO/TAYLOR CREEK ESTUAR</a> 303(d) Water Body Name: JONES/STITES/CARINO/TAYLOR CREEK ESTUARY <a href="#">...TMDLs</a>
<input type="checkbox"/>	List ID: <a href="#">NJ-LM2160 X</a> 303(d) Water Body Name: NEW BROOKLYN LAKE <a href="#">...TMDLs</a>
<input type="checkbox"/>	List ID: <a href="#">NJ 0899</a> 303(d) Water Body Name: MILL CREEK No TMDLs Entered
<input type="checkbox"/>	List ID: <a href="#">NJ 15-0014 TUCKAHOE RIVER ESTUARY</a> 303(d) Water Body Name: TUCKAHOE RIVER ESTUARY No TMDLs Entered
<input type="checkbox"/>	List ID: <a href="#">NJ 15-0002 BABCOCK CREEK</a> 303(d) Water Body Name: BABCOCK CREEK No TMDLs Entered

[|<<](#) [Prev](#) | 1 - 5 of 26 | [Next](#) | [>>|](#)

### Impaired Waters

List ID	Water Body Name	TMDL
---------	-----------------	------

# Impaired Waters Associated with Facility (Pollution Data Area)

### Impaired Waters Search

Distance(Miles)

Watershed
HUC-8 (defaulted to Primary Watershed)

Keyword Only

Keyword

All
 TMDL Completed
 TMDL Needed

Search
Clear

Select

Information

List ID: [NJ-LM2160\\_X](#)  
 303(d) Water Body Name: NEW BROOKLYN LAKE  
[...TMDLs](#)

List ID: [NJ\\_0899](#)  
 303(d) Water Body Name: MILL CREEK  
 No TMDLs Entered

List ID: [NJ\\_15-0014\\_TUCKAHOE RIVER ESTUARY](#)  
 303(d) Water Body Name: TUCKAHOE RIVER ESTUARY  
 No TMDLs Entered

List ID: [NJ\\_15-0002\\_BABCOCK CREEK](#)  
 303(d) Water Body Name: BABCOCK CREEK  
 No TMDLs Entered

List ID: [NJ-15CA-GT\\_EGG HARBOR R ESTUARY](#)  
 303(d) Water Body Name: GREAT EGG HARBOR  
 No TMDLs Entered

|<< | Prev | 1 - 5 of 25 | [Next](#) | >>|

## Impaired Waters

List ID	Water Body Name	TMDL
<a href="#">NJ_16-0005_JONES/STITES/CARINO/TAYLOR CREEK ESTUAR</a>	JONES/STITES/CARINO/TAYLOR CREEK ESTUARY	<a href="#">Detail Report</a>

75

# Needs Data Area



## Welcome to the EPA Portal Clean Watersheds Needs Survey (CWNS)

Ketan Patel  
NJ State User

[EPA Home](#) [Support](#) [Help](#) [Logout](#)

[home](#) > Needs

Facility: 34004001001 - ATLANTIC COUNTY UTILITIES AUTH WWTF

**Summary** ▾ ×

Facility | Location | **Needs** | Population & Flow | Discharge & Effluent | Pollution | Unit Process | Utility Management

**Review Status** ▾ ×

Capital Costs | **Funding** | O & M

**Review Comments** ▾ ×

### Needs By Document

**Document Search** ▾ ×

Document Title	Type	Published Date	Author	Need Type	Adjusted Total(\$)	Submit Updated Document	Footnotable	Engineer's Certification of Outdated Document
<a href="#">Clean Water Financing PS, IUP and PPL</a>	01	04/19/2000	NJDEP					
<a href="#">JONES/STITES/CARINO/TAYLOR CREEK ESTUARY (NJ 16-0005 JONES/STITES/CARINO/TAYLOR CREEK ESTUAR)</a>	11	01/01/2004	Impaired Waters Database					
<a href="#">NEW JERSEY 2004 INTENDED USE PLAN</a>	01	11/05/2003	NJDEP	Federal	\$31,230,000			
<a href="#">Recharge Cohansy Aquifer</a>	23	09/20/2004	Atlantic County M.U.A.	Federal	\$935,000		✓	
<a href="#">Reclaim Water Beneficial Reuse Projects</a>	23	09/17/2004	Atlantic County Utilities Auth	Federal	\$6,062,000		✓	
<a href="#">UIPDATED AUTHORITY'S 5YR CIP</a>	20	04/15/2005	ATLANTIC COUNTY U.A.	Federal	\$28,567,000			
<b>Total</b>				<b>Federal</b>	<b>\$66,794,000</b>			

[Add Document](#)

# Data Entry Screens

## Screens Customized for Nonpoint Source Projects

# Nonpoint Source Projects – Data Area Tabs reduced to four



Welcome to the EPA Portal  
**Clean Watersheds Needs Survey (CWNS)**  
 Ketan Patel  
 NJ State User



[EPA Home](#) [Support](#) [Help](#) [Logout](#)

[home](#) > Facility/Project

Project: 34004001022 - ATLANTIC COUNTY UA - NPS

- [Facility/Project Menu](#) ▾
- [Summary](#) ▾
- [Review Status](#) ▾
- [Review Comments](#) ▾
- [NPDES Permit Search](#) ▾
- [Point of Contact Search](#) ▾

Project Location Needs Pollution

## Project Information

\* **Name:** ATLANTIC COUNTY UA - NPS

**Description:**

\* **CWIS Number:** 34004001022

**System Name:** Atlantic County UA system

\* **Owner:** Public  Military

## Project Type

Type	Present	Projected	Change	Edit	Delete
Agriculture - Cropland	✓	✓	Rehabilitation Process Improvement		
Silviculture	✓	✓	Rehabilitation		
Urban	✓	✓	No Change		

# Use Map to Get Location Information



Welcome to the EPA Portal  
Clean Watersheds Needs Survey (CWNS)  
Ketan Patel  
NJ State User



[EPA Home](#) [Support](#) [Help](#) [Logout](#)

[home](#) > Facility/Project

Project: 34004001022 - ATLANTIC COUNTY UA - NPS

- Facility/Project Menu
- Summary
- Review Status
- Review Comments

- Project
- Location
- Needs
- Pollution

## Location Information



### Coordinates



[Use Map to Get Information](#)

* Location Description:	Facility Center/Centroid	Source:	Manual
* Method:	Address Matching-Block Face	* Measure Date:	07/11/2001 (mm/dd/yyyy)
* Datum:	World Geodetic System of 1984	Scale:	
* Latitude:	39.3769 (DD.ddddd)	* Latitude Direction:	<input checked="" type="radio"/> N <input type="radio"/> S
* Longitude:	74.4498 (DD.ddddd)	* Longitude Direction:	<input type="radio"/> E <input checked="" type="radio"/> W
		<input type="checkbox"/> Within Tribal Territory	
Save reset			

### Areas Related To Needs

Primary	County	Code	Edit	Delete
---------	--------	------	------	--------

# WATERS Lite Viewer opens in separate browser

The image shows a screenshot of a web browser displaying the EPA Portal. The main content area features a map of the Atlantic City area, including locations like Pomona, Aberdeen, and Atlantic City. The map is overlaid with a blue water body and a red line indicating a specific facility or project. A sidebar on the left contains navigation links: [home](#) > Facility/Project, [Facility/Project Me](#), [Summary](#), [Review Status](#), and [Review Comments](#). The top left corner displays the EPA logo and the text "Welcome to the EPA Portal".

Overlaid on the main page is a separate browser window titled "Web Page Dialog". This window displays the same map content, but with a different interface. It includes a "2D 3D" toggle, a zoom control, and a map style selector with options for "Road", "Aerial", and "Hybrid". The map in this window shows a red dashed box around a specific area, likely the facility of interest. The browser's address bar at the bottom of the dialog window shows the URL: [http://rtidemo.rti.org/WLV\\_viewer/VEViewer.aspx?type=CWNSNPS&sessionId=3D6B1743E849D14BE04060C](http://rtidemo.rti.org/WLV_viewer/VEViewer.aspx?type=CWNSNPS&sessionId=3D6B1743E849D14BE04060C). The browser's status bar indicates "Internet".

On the right side of the main page, there is a navigation menu with links for [Support](#), [Help](#), and [Logout](#). Below this, there is a section for "ATLANTIC COUNTY UA - NPS" and a "Map to Get Information" link. A calendar icon is visible at the bottom right of the page.



# WATERS Lite Viewer – Multiple view options



x (lon): -74.508 y (lat): 39.4

[Help](#)

Overview Clear Start Sketch Submit

# WATERS Lite Viewer – Delineating a Polygon...



x (lon): -74.497 y (lat): 39.385

[Help](#)

Overview Clear Pause Sketch Submit

# WATERS Lite Viewer – Finishing the Polygon, Return to CWNS



x (lon): -74.502 y (lat): 39.388

[Help](#)

Overview Clear Pause Sketch **Submit**

# CWNS received Location data from WATERS Lite Viewer

Project: 34004001022 - ATLANTIC COUNTY UA - NPS

Project

Location

Needs

Pollution

## Location Information



### Coordinates

[Use Map to Get Information](#)

\* Location Description:

Facility Center/Centroid

Source:

WATERS Light Viewer

\* Method:

Interpolation-Map

\* Measure Date:

10/26/2007

(mm/dd/yyyy)

\* Datum:

North American Datum of 1983

Scale:

100000

\* Latitude:

39.3880

( DD.ddddddd )

\* Latitude Direction:

N  S

\* Longitude:

74.5025

( DD.ddddddd )

\* Longitude Direction:

E  W

Within Tribal Territory

Save

reset

# Data Entry Screens

## Local Community Interaction with System

# Local User Home Page



## Welcome to the EPA Portal Clean Watersheds Needs Survey

John Doe  
NJ Local User



[Logout](#) [Home](#) [Help](#)

### My Roles

NJ Local User  
[NJ State User](#)

### Main Menu

[Create New Facility](#)  
[Change Password](#)  
[Support](#)

### Document Management

Facility		
34001001001 - Passaic County ...		
Title	date	public
<a href="#">Captial Improvement Plan for Passaic County</a>	04/02/2008	✓
<a href="#">Sanitary Sewer System Addendum</a>	01/02/2008	
<input type="button" value="Add"/>		

### Facility Search

Search

Search for "Sewer" returned 5 results

Select	Info
	CWNS Number: 34001001006

### Facility/Project List

CWNS Number	Facility/Project Name	Feedback Status
34001001001	<a href="#">Passaic County Waste Water Treatment Plant</a>	<a href="#">Local In Progress</a>
34001001002	<a href="#">Whippany River Watershed</a>	<a href="#">Local In Progress</a>
34001001003	<a href="#">Westside Sewer System</a>	<a href="#">State Review Requested</a>
-	<a href="#">New Passaic County Waster Water Treatment Plant</a>	<a href="#">State New Requested</a>



# Local User -> Facility Home Page



## Welcome to the EPA Portal Clean Watersheds Needs Survey

John Doe  
NJ Local User



[Logout](#) [Home](#) [Help](#)

### My Roles

NJ Local User  
[NJ State User](#)

### Main Menu

[Create New Facility](#)  
[Change Password](#)  
[Support](#)

### Facility/Project List

CWNS Number	Facility/Project Name	Feedback Status
34001001001	<a href="#">Passaic County Waste Water Treatment Plant</a>	<a href="#">Local In Progress</a>
34001001002	<a href="#">Whippany River Watershed</a>	<a href="#">Local In Progress</a>
34001001003	<a href="#">WestSide Sewer System</a>	<a href="#">State Review Requested</a>
-	<a href="#">New Passaic County Waster Water Treatment Plant</a>	<a href="#">State New Requested</a>

### Document Management

Facility:

### Facility: Passaic County Waste Water Treatment Plant

## Facility Feedback Sheet

[Edit](#) [State Fact Sheet](#) [Refresh](#) [Print](#)

Facility Name: Passaic County Waste Water Treatment Plant CWNS Number: 34001001001  
 Feedback Status: Local In Progress Review Status: State in Progress  
 State: MO  
 Federal Needs: \$5,699,000  
 System Name:

### Facility Type

Type	Present	Projected	Change
Collection: Separate Sewers	✓	✓	Expansion Rehabilitation
Collection: Combined Sewer	✓	✓	Replacement Expansion
Individual On-Site System Area	✓	✓	Abandonment
Treatment Plant	✓	✓	Process Improvement

### Responsible Entity

Name	Authority	Address	Phone	Email
John Franklin	Kirksville, City of			

# Local User -> Sample Data Entry Page


Clean Watershed Needs Survey - Windows Internet Explorer

T:\TO 32 - CWNS\TO 32 Product Development\TO32 Applications\1 - Reference Material\Demo\Nov 25\web\localPages\facility.html

Google

Links ADC\_page9\_files ADC\_page9.htm Customize Links EPA Login Free AOL with Spam Blocker Free Hotmail Windows Windows Marketplace Windows Media

Clean Watershed Needs ...



**Welcome to the EPA Portal**  
Clean Watersheds Needs Survey  
John Doe  
NJ Local User

[Logout](#) [Home](#) [Help](#)

**Review Status**

Status: State In Progress

Feedback Status: Local In Progress

Associated Local Users

John Doe  
Scott Blocher

**Review Comments**

**Document Management**

Facility: 34001001001 Passaic County ...

Title	date	public
<a href="#">Capital Improvement Plan for Passaic County</a>	04/02/2008	<input checked="" type="checkbox"/>
<a href="#">Sanitary Sewer System Addendum</a>	01/02/2008	<input type="checkbox"/>

**Facility: Passaic County Waste Water Treatment Plant**

**Facility** Needs Population & Flow Discharge & Effluent Pollution CSO

**Facility Information**

\* Facility: Passaic County Waste Water Treatment  Privately Owned

Facility Description: Regional Treatment Plant for Northern Passaic County  Military

\* CWNS Number: 34001001001  Federal

System Name: Adair

**Facility Type**

Type	Present	Projected	Changes	Delete
Treatment Plant	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> No Change <input checked="" type="checkbox"/> Rehabilitation <input type="checkbox"/> Replacement <input type="checkbox"/> Process Improvement	<input type="checkbox"/>

**Permits**

NPDES	Permit Number	Type	Active	Use Data	Delete
<input checked="" type="checkbox"/>	NJ00020923	Discharge	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	NJ00020924	Discharge	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	NJA222123	State	<input type="checkbox"/>	<input type="radio"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	NJ0020925	Discharge	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="checkbox"/>

**Points of Contact**



# Small Community Forms – Fax Capture

## System

- Generates forms with facility/project specific data
- Adds facility/project ID bar code to top of form

## CWNS State Coordinator

- Prints form, mails to community

## Small Community

- Marks up form with current data, faxes to 1-800 number

## System

- Associates form, as PDF, to facility/project data in system

# Local Updates – Faxed to 1-800 #, Linked to Facility in System

CWNS Number: 34001001001

Name: Florham Park SA STP (DRAFT; data is fictitious)

Data Last Updated: October 1, 2004

## Step 1: Verify and Update the Accuracy of Basic Facility Information

<b>Facility/ Project Name:</b>	Penns Grove Sewerage				
<b>The facility is part of the following system:</b>					
<b>Organization responsible for facility/project:</b>	Penns Grove SA				
<b>Point of Contact</b>	Robert Lukin	<b>Role/ Title</b>	Plant Manager		
<b>Address</b>	1000 Maple Street				
<b>City</b>	Florham Park	<b>State</b>	NJ	<b>Zip Code</b>	11111
<b>Phone</b>	703-444-1150	<b>Fax</b>	703-444-1152		
<b>Email</b>	<a href="mailto:rlin@gmail.com">rlin@gmail.com</a>				
<b>Permit Number(s):</b>	NJ00020923, NJA222123				
<b>County:</b>	Salem				

### Facility/Project Type

For a complete list of "Facility/Project Types" and "Changes Needed" visit <http://www.epa.gov/cwns/cwns2008.htm>.

<input type="checkbox"/> This data is correct.	<input type="checkbox"/> This data is not correct. Mark change(s) in table or on additional sheet.		
<b>Type</b>	<b>Present</b>	<b>Projected</b>	<b>Changes Needed</b>

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# Acknowledgements

OEI Portal, ECMS/EDMS, EnviroFacts & NCC Teams

OECA ICIS Team

OW WATERS, Impaired Waters & SRF Benefits Teams

OEI and OW Enterprise Architecture Teams

Contractor Support

Lockheed Martin (CWNS, Portal, IAM, OCS,  
ECMS/EDMS, EnviroFacts)

Computer Sciences Corporation (NCC deployment)

Indus Corporation (WATERS Lite Viewer & Impaired Waters)

RTI, International (WATERS Lite Viewer)

Northbridge Environmental (SRF Benefits Database)

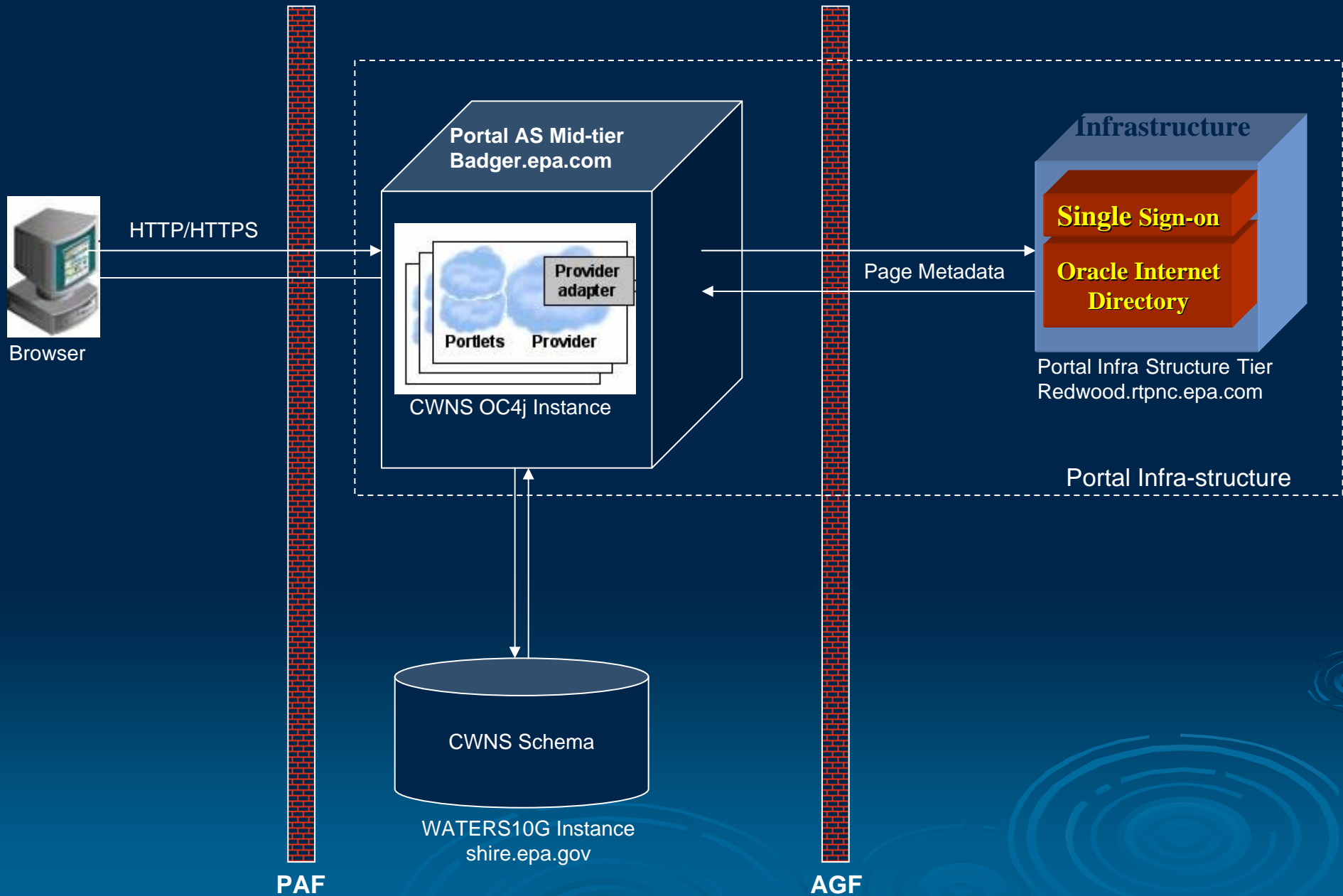
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# Supplemental Slides

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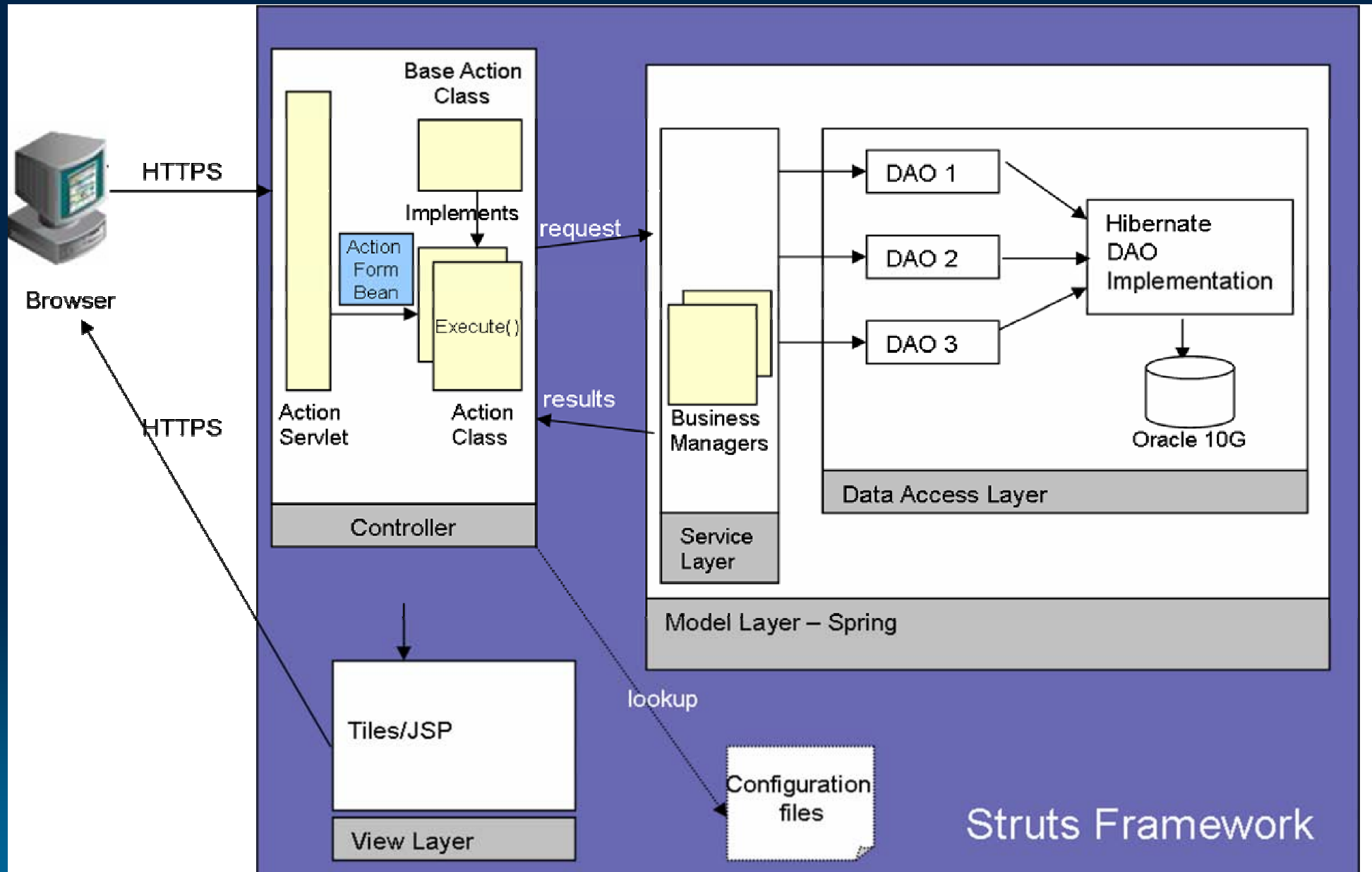
# 5) CWNS 2008 Data Entry System - Technical Details -

# CWNS – High Level System Architecture



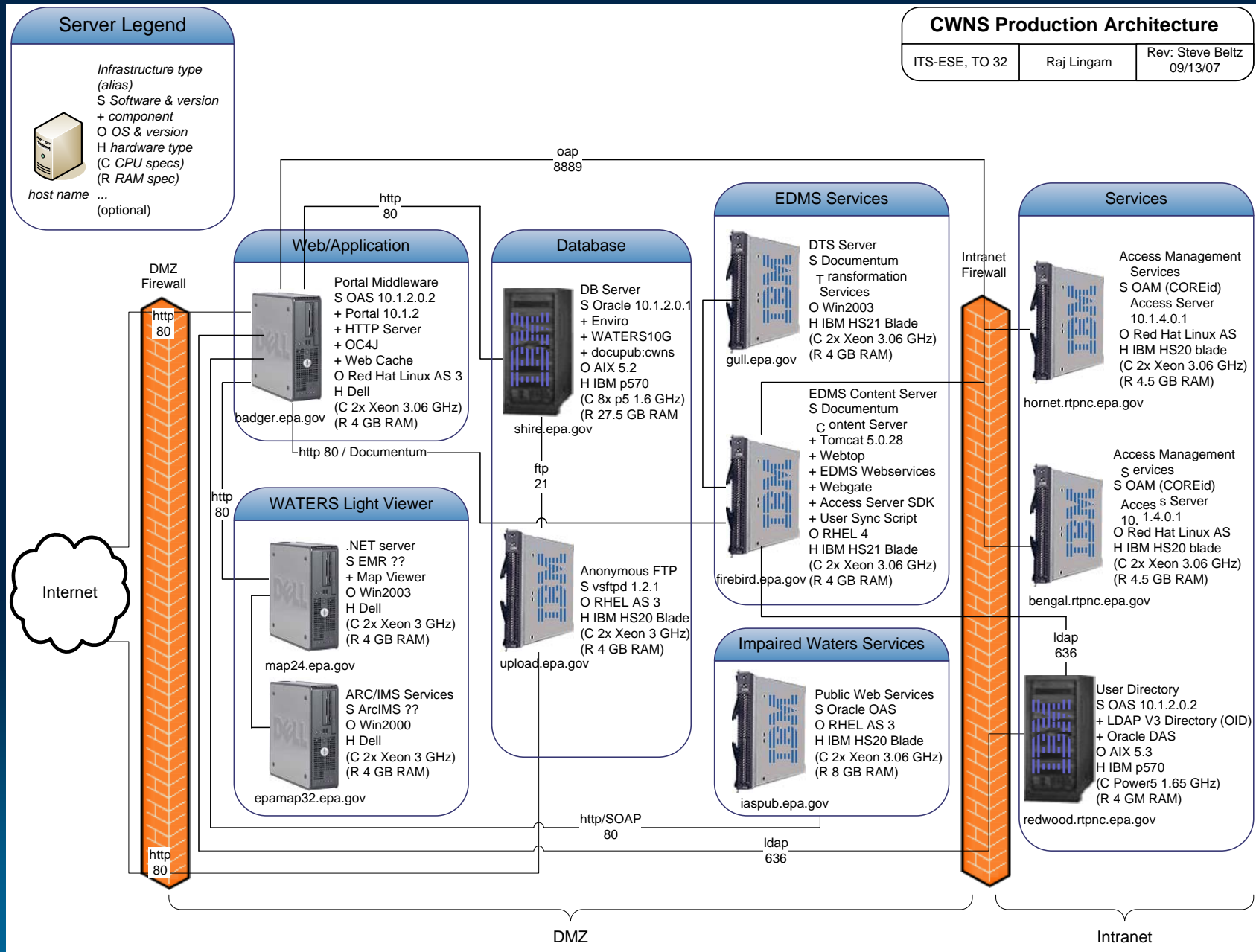
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# CWNS – Software Architecture



For Conference Purposes Only

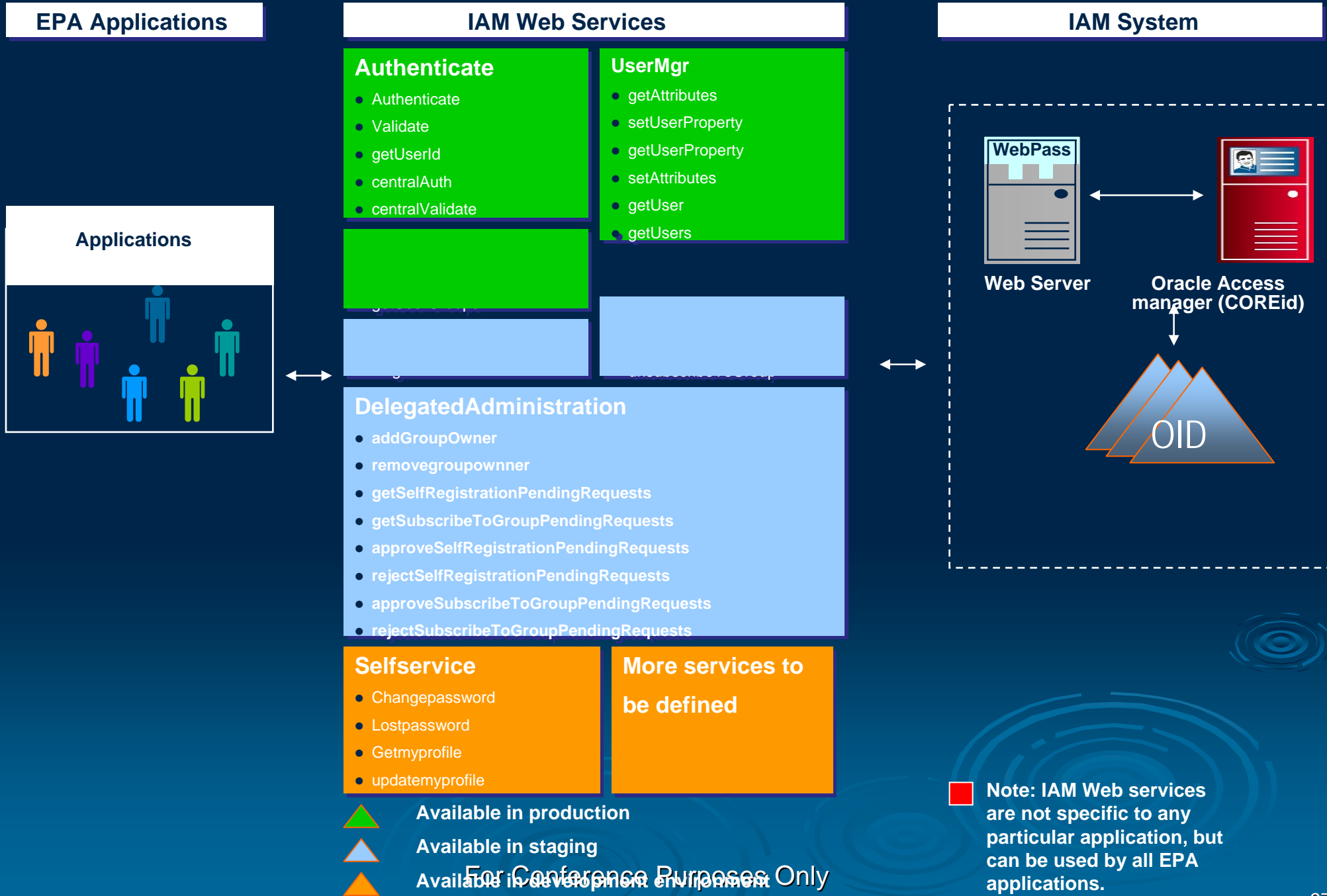
# CWNS in NCC Production Environment



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# Identity Access & Management (IAM) Web Services

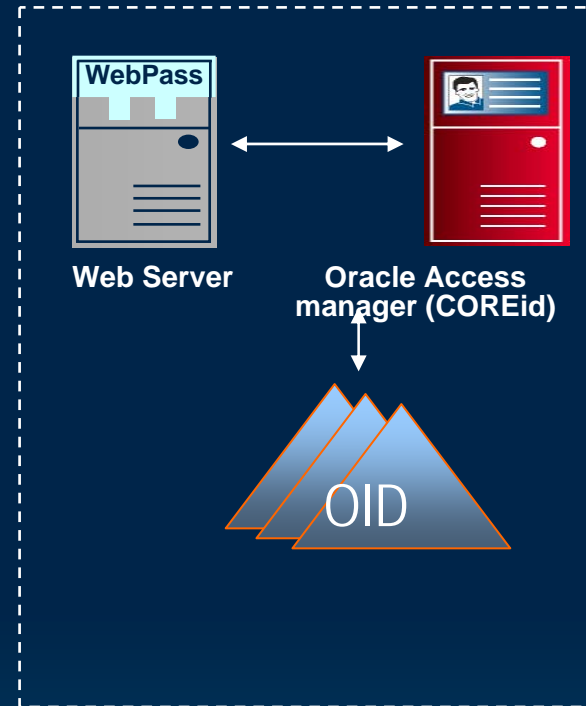
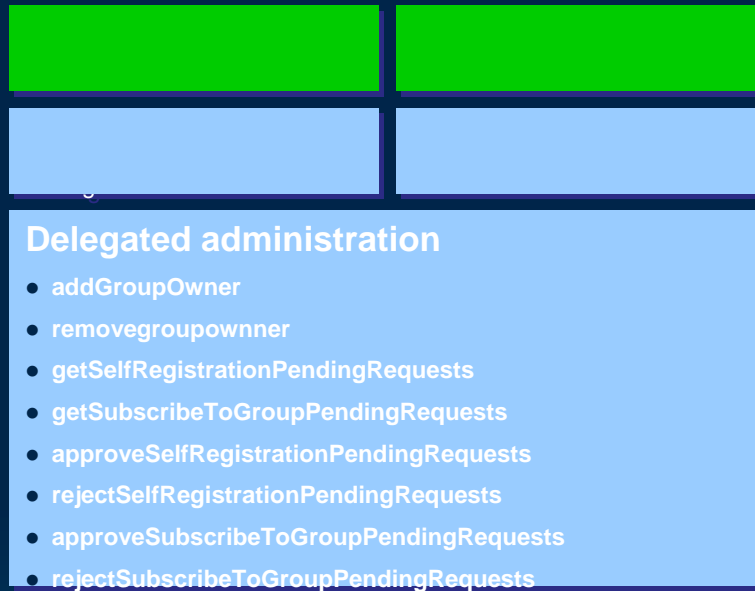


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# CWNS IAM Web Services

## CWNS Application

## IAM Web Services



Available in production



Available in staging environment



Note: 2 additional services added to ICD on 1 June and delivered on 6 June.

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# EDMS Web Services

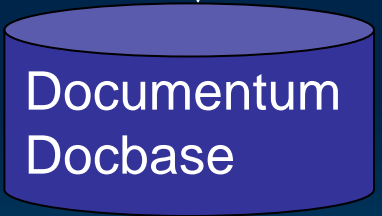
CWNS Application

EDMS Web Services

EDMS System



- uploadDocument
- createUrlByObjectId

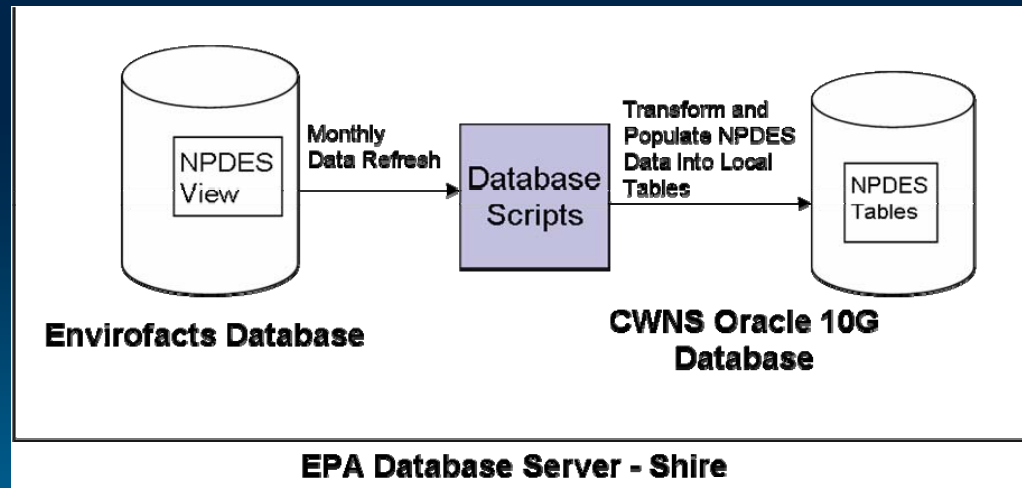


- ▲ Available in production
- ▲ Available in staging environment

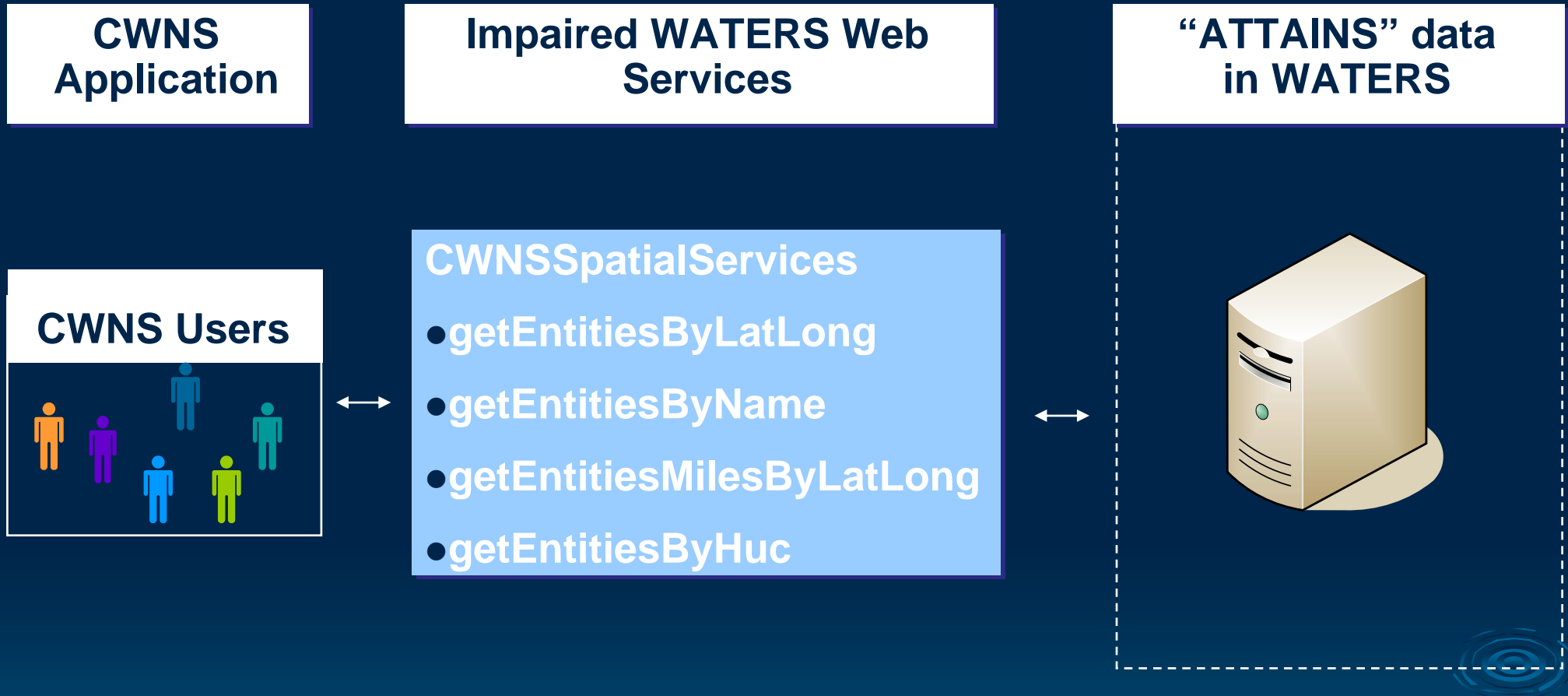
For Conference Purposes Only

# NPDES Integration

- Interfaces with the EnviroFacts database to obtain NPDES permit information
  - Monthly data refreshes from NPDES views setup in EnviroFacts
  - Transformed and stored locally in the CWNS database



# Impaired WATERS Web Services



Available in production



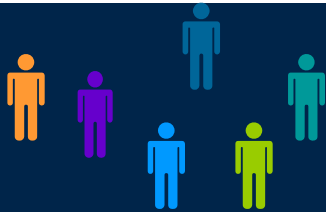
Available in staging environment

For Conference Purposes Only

# WATERS Lite Viewer Web Services

## CWNS Application

### CWNS users



## Impaired WATERS Web Services

### WATERS\_Zoom\_Service

- findAdjacentFeatures
- findFeatureByPoint
- getBBox

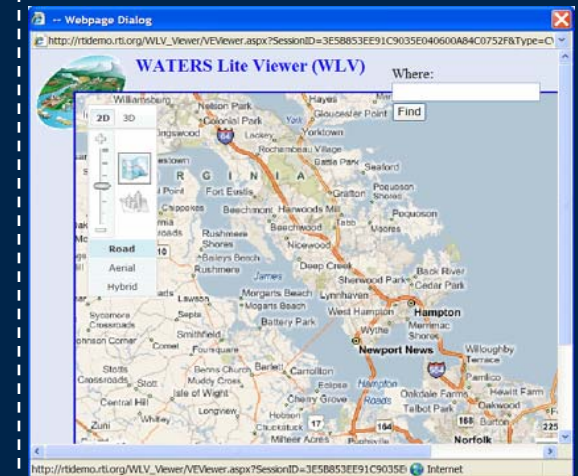
### WATERS\_Create\_List\_Service

- CreateList

### WATERS\_Indexing\_Service

- createSession
- deleteSession
- removePendingIndexFeature
- retrievePendingIndexFeatures
- retrieveSketches
- savePendingIndexFeatures
- savePointToSession
- savePolygonToSession

## WATERS Lite Viewer



Available in production



Available in staging environment

# 6) CWNS – Public Data Access

# CWNS Public Data Access

Data is at [WWW.EPA.GOV/CWNS](http://WWW.EPA.GOV/CWNS)

CWNS 2000 data is currently available

All CWNS 2004 data will be available after Report submitted to Congress

Data, available in EPA Office of Water's Ask WATERS internet tool, can be:

Accessed via easy web interface

Compared with other water program data

Organized into various charts, tables, and maps





# Clean Watersheds Needs Survey (CWNS)

[Contact Us](#) | [Print Version](#)

Search:  All EPA  This Area

**GO**

You are here: [EPA Home](#) » [Water](#) » [Wastewater](#) » [CWNS](#) » CWNS 2000 Data

## CWNS 2000 DATA

There are three easy ways to access CWNS data.

### 1. [Facility Fact Sheet](#)

Summarizes all CWNS data available for a specific waste water treatment facility or nonpoint source (NPS) pollution prevention project.

### 2. [Ask WATERS Simple Query Tool](#)

The Ask WATERS Simple Query Questions allows you to access data for wastewater facilities stormwater management programs, and NPS pollution control projects in a watershed, state, region, or the entire nation.

Nine Ask WATERS Simple Query Questions that summarize data from CWNS are:

1. [How many CWNS 2000 facilities and projects have needs and in what categories are their needs?](#)
2. [What CWNS 2000 facilities and projects have needs documented to federal standards?](#)
3. [What are the current and projected flows for publicly owned wastewater treatment facilities?](#)
4. [How many people are served by publicly owned wastewater treatment facilities?](#)
5. [Combination of Questions #2 and #3](#)
6. [Combination of Questions #2 and #4](#)
7. [Combination of Questions #2, #3, and #4](#)
8. [What are the discharge methods and locations for CWNS 2000 facilities and projects?](#)
9. [What are the names and locations of publicly owned wastewater treatment facilities currently in operation?](#)

#### Description of CWNS Data

- [Dictionaries: Data User's Dictionary and Technical Data Dictionary \(in EPA's Environmental Data Registry\)](#)
- [Overview: Ask WATERS internet tool \(used for data reports on this web site\)](#)

[CWNS Home Page](#)

[CWNS Basics](#)

[CWNS 2008](#)

[CWNS 2004](#)

[- Report to Congress](#)  
[- Data](#)

[CWNS 2000](#)

[- Report to Congress](#)  
[- Data](#)

[1996 CWNS](#)

[- Report to Congress](#)  
[- Data](#)

[Where You Live](#)

[Data Dictionary](#)

## Watershed Assessment, Tracking Results System

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**Enter Report Selection Criteria for:  
How many CWNS 2000 facilities and projects have  
needs and in what categories are their needs?**

[Return to Ask WATERS Question List](#)

## Geographic Location Criteria

EPA Region:  ▼

State:  ▲  
 AK - Alaska  
 AL - Alabama  
 AR - Arkansas  
 AS - American Samoa ▼

Watershed (Hydrologic Unit Code) - Click [Map](#) or [List](#) to Select Code

(Display only)

County Name - Click [List](#) to Select County

(Display only)

Congressional District - Click [List](#) to Select Congressional District

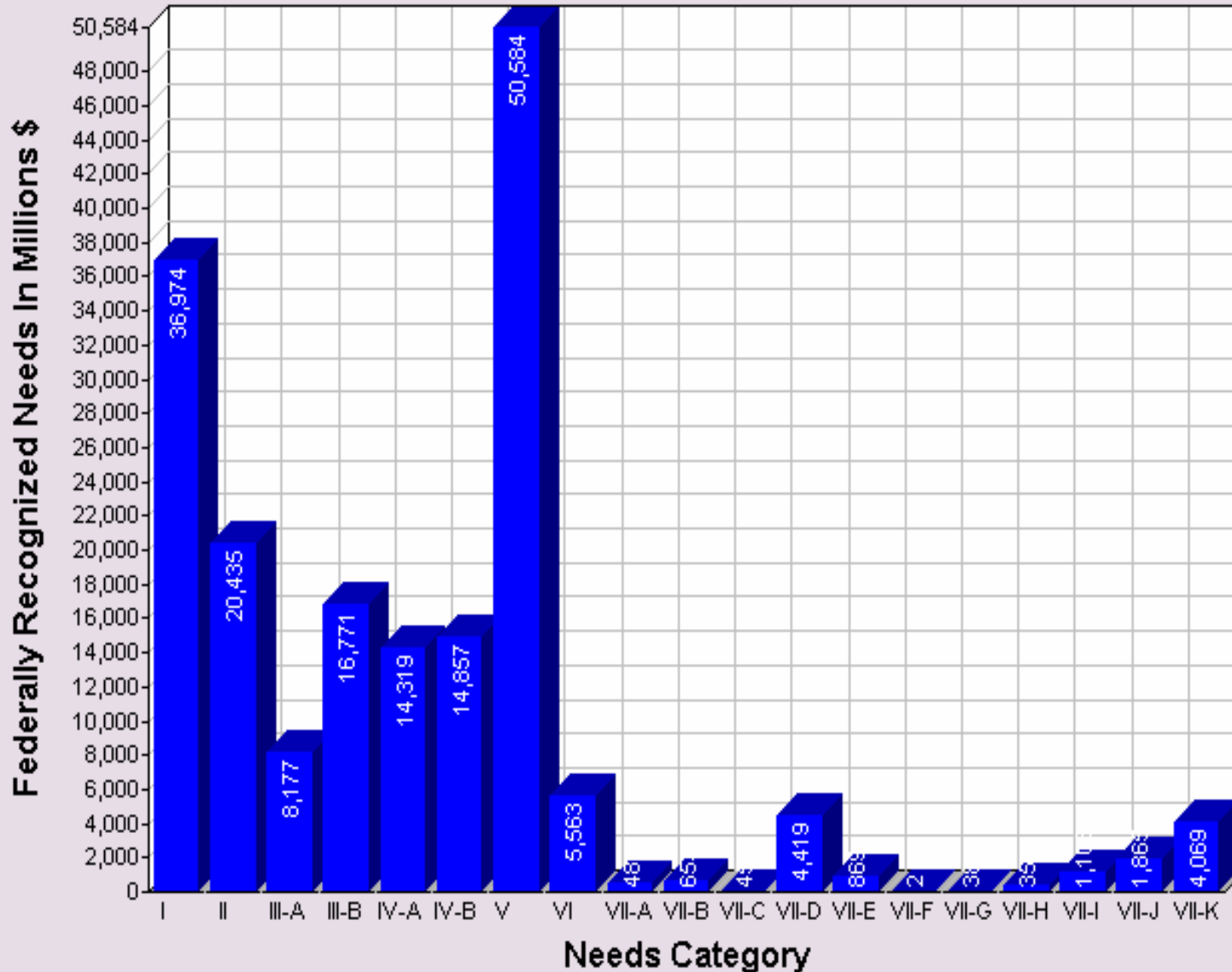
(Display only)

Run Report

Reset

# CWNS Total Federally Recognized Needs by Category

■ Federally Recognized Needs

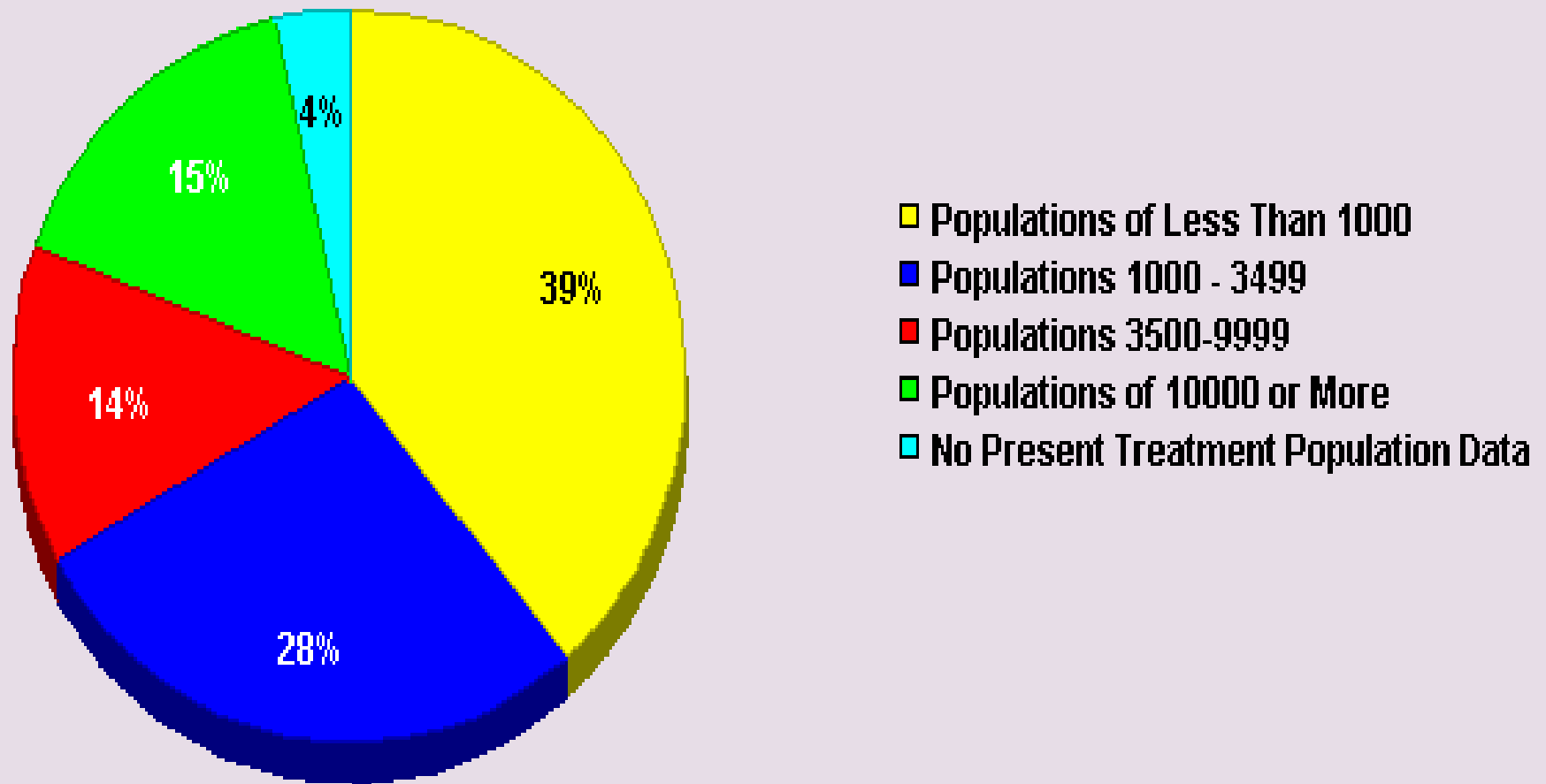


Category Legend	
I	Secondary Wastewater Treatment
II	Advanced Treatment
III-A	Infiltrate/Inflow Correction
III-B	Replace/Rehab of Sewers
IV-A	New Collector Sewers
IV-B	New Interceptor Sewers
V	Combined Sewer Overflow
VI	Separate Storm Sewer System
VII-A	NPS-Agriculture (cropland)
VII-B	NPS-Agriculture (animals)
VII-C	NPS-Silviculture
VII-D	NPS-Urban
VII-E	NPS-Ground Water Unknown Source
VII-F	NPS-Marinas
VII-G	NPS-Resource Extraction
VII-H	NPS-Brownfield
VII-I	NPS-Storage Tanks
VII-J	NPS-Sanitary Landfills
VII-K	NPS-Hydromodification
VIII	Confined Animals (Point Source)
IX	Mining (Point Source)

Click on any bar to get a detailed facility listing

For Conference Purposes Only

## Percentage of CWNS Facilities and Projects by Present Population Served Size



16187 CWNS Facilities and Projects

Click on any pie slice to get a detailed facility listing.



## Enter Report Selection Criteria for: How many and what categories of CWNS 2000 facilities and projects, documented to federal standards, are located on impaired waters?

[Return to Ask WATERS Question List](#)

### Geographic Location Criteria

EPA Region: No Region Selected

State:    
AK - Alaska  
AL - Alabama  
AR - Arkansas  
AS - American Samoa

Watershed (Hydrologic Unit Code) - Click [Map](#) or [List](#) to Select Code

(Display only)

## HUC Map Maryland - Microsoft Internet Explorer

Select a watershed address by clicking on it:



Watershed Address (HUC, Name): 02060003, Gunpowder-Patapsco

Run Report

Reset

#### Programmatic Search Criteria

All columns selected below will appear on the generated report in addition to the base columns. Records returned will be limited to those in which at least one of the selected columns has a value greater than zero.

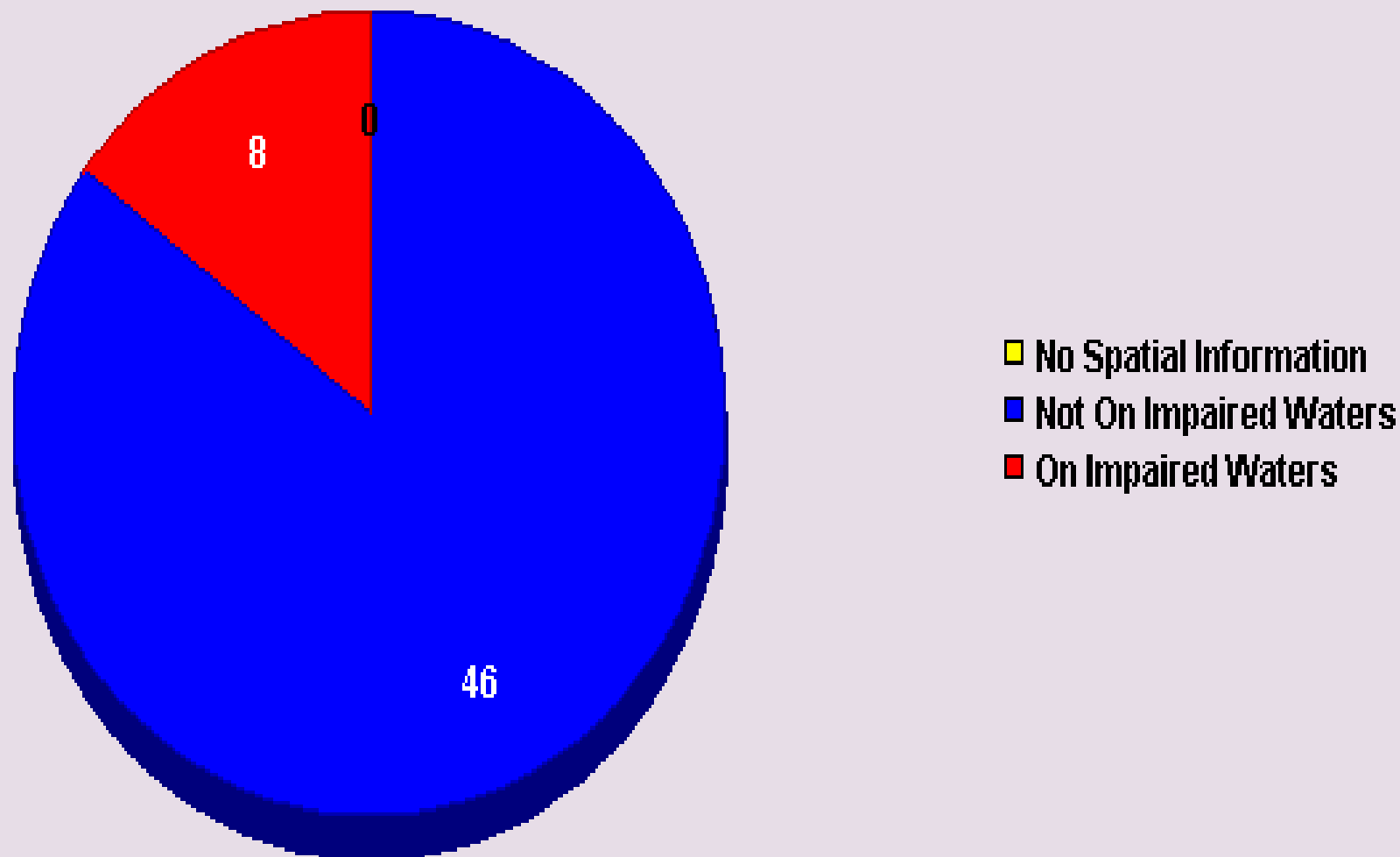
Needs Category Type (Select one or more categories):

Select/De-select all Needs categories

I: Secondary Wastewater Treatment

II: Advanced Treatment

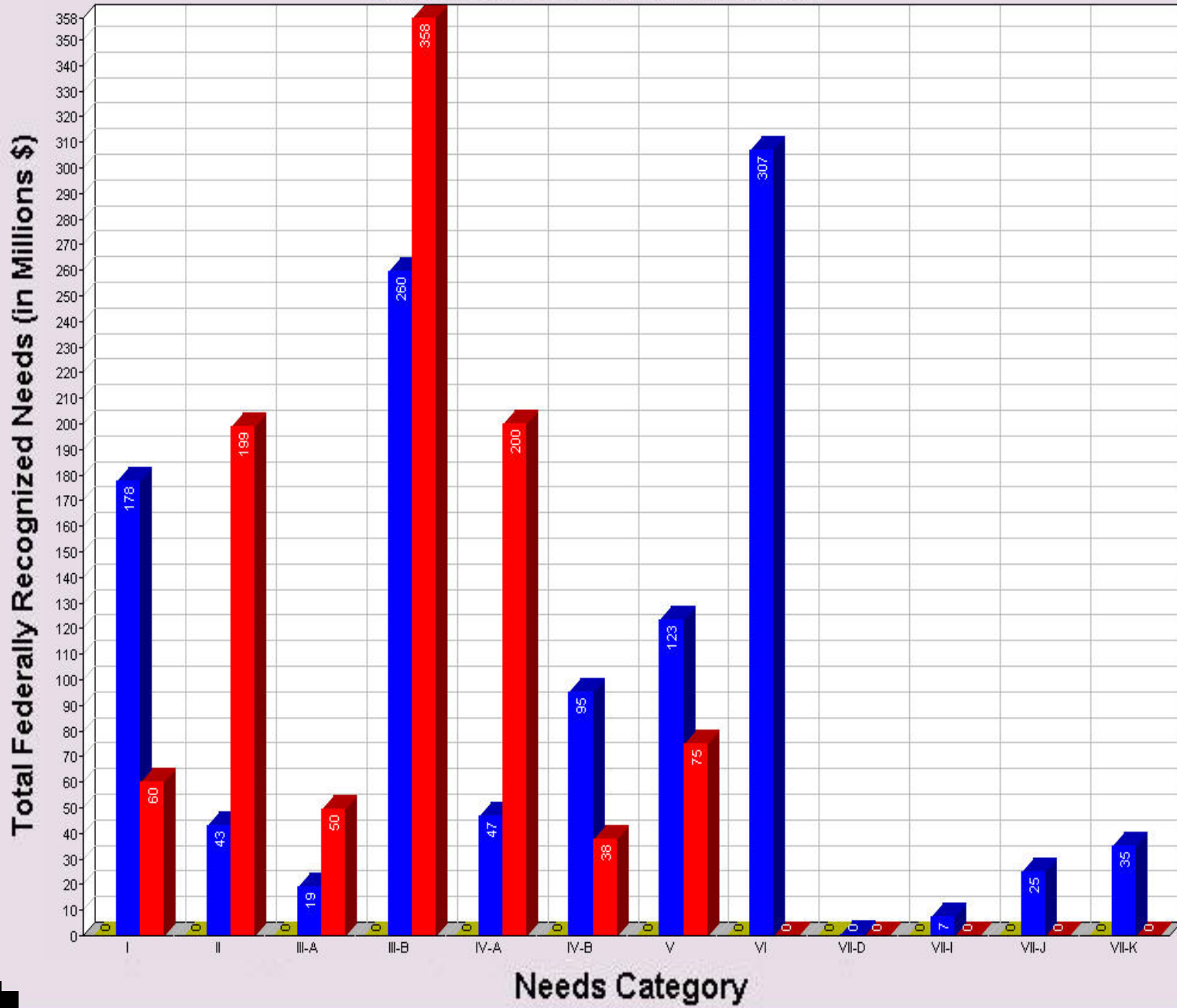
# Impaired Water Status for CWNS Facilities and Projects



54 CWNS Facilities and Projects

Click on any pie slice to get a detailed facility listing.

■ No Spatial Information   
 ■ Not On Impaired Waters   
 ■ On Impaired Waters



- Category Legend**
- I Secondary Wastewater Treatment
  - II Advanced Treatment
  - III-A Infiltrate/Inflow Correction
  - III-B Replace/Rehab of Sewers
  - IV-A New Collector Sewers
  - IV-B New Interceptor Sewers
  - V Combined Sewer Overflow
  - VI Separate Storm Sewer System
  - VII-A NPS-Agriculture (cropland)
  - VII-B NPS-Agriculture (animals)
  - VII-C NPS-Silviculture
  - VII-D NPS-Urban
  - VII-E NPS-Ground Water Unknown Source
  - VII-F NPS-Marinas
  - VII-G NPS-Resource Extracation
  - VII-H NPS-Brownfield
  - VII-I NPS-Storage Tanks
  - VII-J NPS-Sanitary Landfills
  - VII-K NPS-Hydromodification
  - VIII Confined Animals (Point Source)
  - IX Mining (Point Source)





# Watershed Assessment, Tracking & Environmental Results System

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## Ask WATERS Results

Documented Needs Exist, HUC = 02060003, Needs Category = II, Overlap Category = 1

[Return to Ask WATERS Question List](#) [Return to Report Selection Criteria Screen](#)

[Important Report Information](#)

### CWNS Facilities with Approved Federal Needs

### CWNS Facility Listing

Page No. 1

REGION	STATE	COUNTY	CWNS_NUMBER	FACILITY	AUTHORITY	CWNS_REPORT	CWNS_MAP	CATEGORY CODE	CATEGORY_NAME	NEED_AMT	NEEDS	OV
3	MD	Anne Arundel	24000003001	COX CREEK WWTP	ANNE ARUNDEL COUNTY DPW	<a href="#">CWNS Facility Report</a>	<a href="#">Map CWNS Facility</a>	II	Advanced Treatment	\$16,488,000	\$46,377,000	No
3	MD	Carroll	24000005003	Freedom District WWTP	CARROLL COUNTY DPW	<a href="#">CWNS Facility Report</a>	<a href="#">Map CWNS Facility</a>	II	Advanced Treatment	\$2,928,000	\$27,031,000	No
					MOLINT							

CWNS#: 24000003001 Facility: COX CREEK WWTP  
 NPDES: MD0021661

Review Status: HA 10/16/01  
 Federal Needs (\$000): \$46,377

System Name:

Point of Contact

Tribe: No

Location (Point of Record)

County, State: Anne Arundel MD  
 Congressional District: 2401  
 Within Tribe Territory: No  
 Latitude/Longitude: 39.1739 N / 76.5347 W  
 Watershed: Gunpowder-Patapsco.  
 NHD Index:

Name:

Authority: ANNE ARUNDEL COUNTY DPW

Address:

Phone:

Fax:

Email:

Facility Description

Nature	Present	Projected	Change(s)
Collection: Separate Sewers	Y	Y	Expansion
Collection: Separate Sewers	Y	Y	Rehabilitation
Collection: Separate Sewers	Y	Y	Replacement
Treatment Plant	Y	Y	Increase Level Of Treatment
Treatment Plant	Y	Y	Process Improvement

Permit(s)

\*indicates NPDES Permit

Number: MD0021661\*  
 Type: Discharge



**MAP FEATURES**

DISPLAY	LABEL ALL	ACTIVE	Feature Name
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Facilities
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Clean Watersheds Needs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Community Landmarks
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Nutrient Stations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water Quality Stations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Streets
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Railroads
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ZIP Codes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	National Estuary Programs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Congressional Districts
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Federal Lands
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Watersheds
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tribal Lands
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Aggregate Ecoregions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Level III Ecoregions
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Counties
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	States
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surface Waters
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Impaired Waters
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water Quality Standards
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Assessed Waters
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Beaches
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sewage No Discharge Zones

Update Map      **10 Miles Wide (Local)**      Help

**Locator Map**

Click on map to:

Locator Map

Start New Map

Zoom In  By 2X  Zoom to View  Recenter Map  Show Location

Local

Identify Active Feature

Add Active Feature Label

Printable Map

Multi-color Menu

Zoom To Area Menu