

Clean Watersheds Needs Survey (CWNS) Data Entry Portal



Data Entry Burden Reduction Using Enterprise Architecture

Michael Plastino
EPA Office of Water

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

For Conference Purposes Only

1) CWNS Overview

CWNS Overview

Required by Clean Water Act (CWA) Sec. 516

Joint Effort between EPA & States

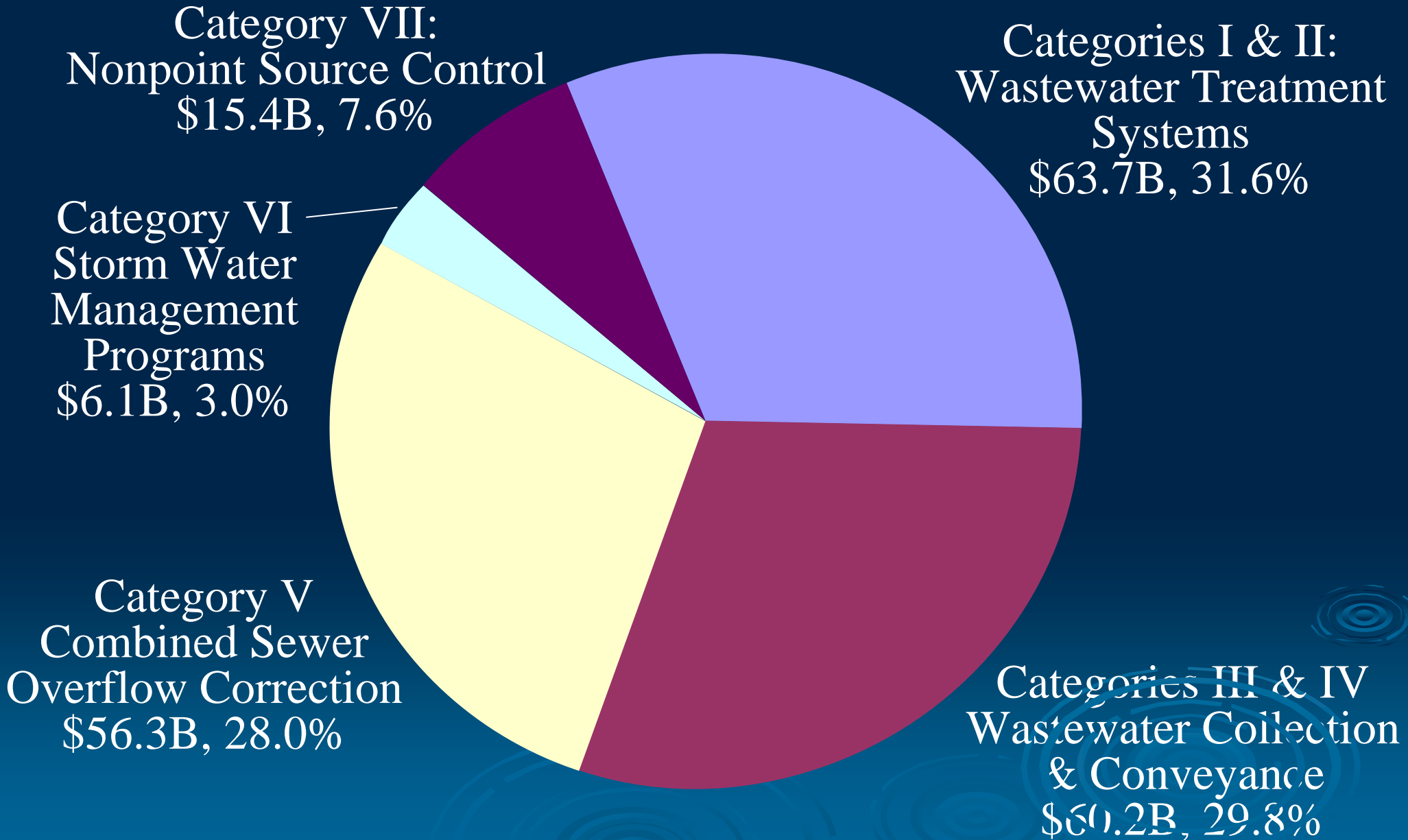
Conducted Every 4 Years since 1992, following inception of Drinking Water Needs Survey (every 2 years 1972-1992)

Closely related to

Wastewater Treatment Construction Grants (1972-1986)

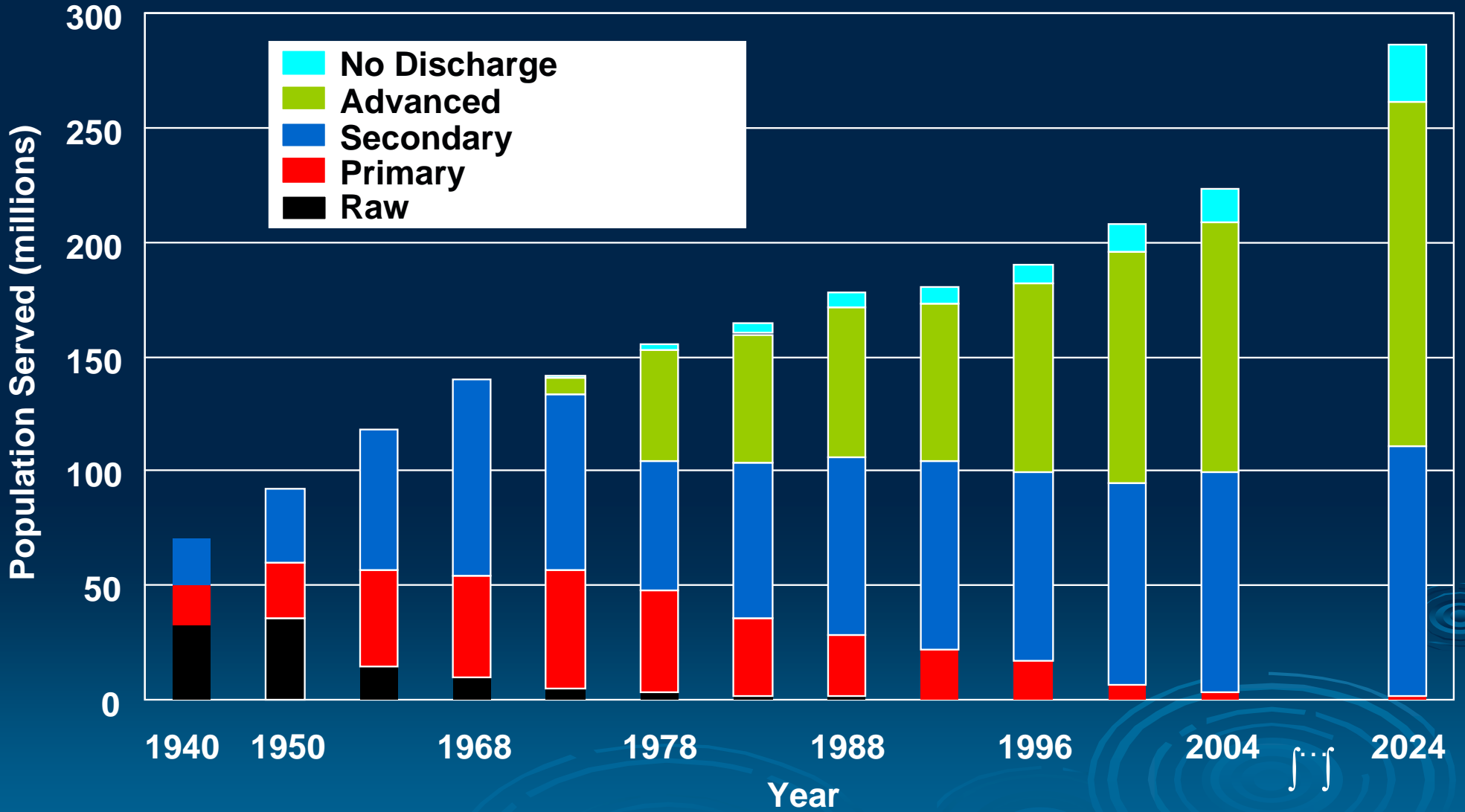
Clean Water State Revolving Fund (1988-Present)

CWNS 2000 Results



For Conference Purposes Only

CWNS 2004 Results



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Information in CWNS

Capital Needs for projects that address water quality 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 *

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%)

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 (May - 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

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

CWNS 2004 – System Supported Roles

Local /
Secondary
User

State CWNS
Coordinator

EPA

Internet

Data Entry System

Other e-Docs
(internet site,
emailed,....)

Data

Data

Data

Paper
Documents

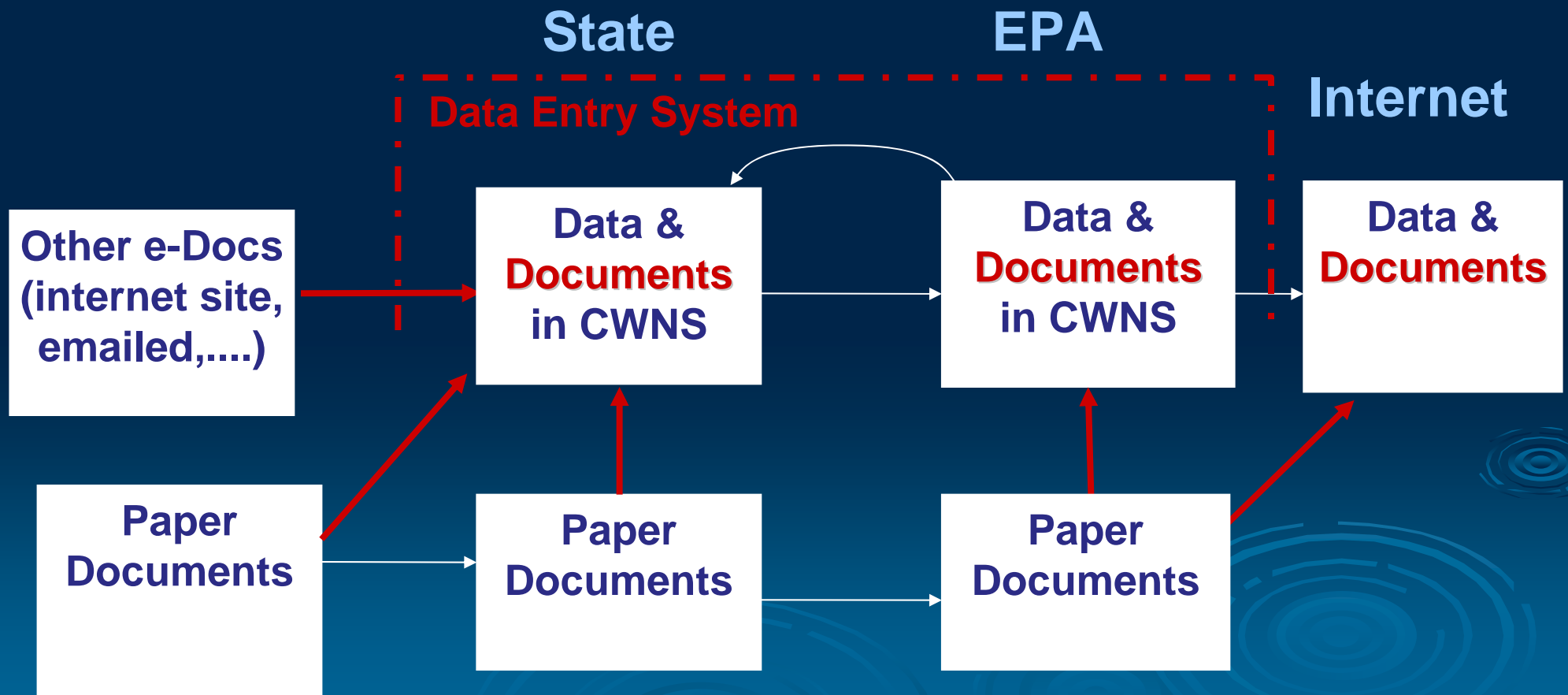
Paper
Documents

Paper
Documents
(Scanned for
CWNS 08)

CWNS 2008 Data & Document Entry Roles

Local /
Secondary
Users

*Red Text indicates new items for
2008 system*

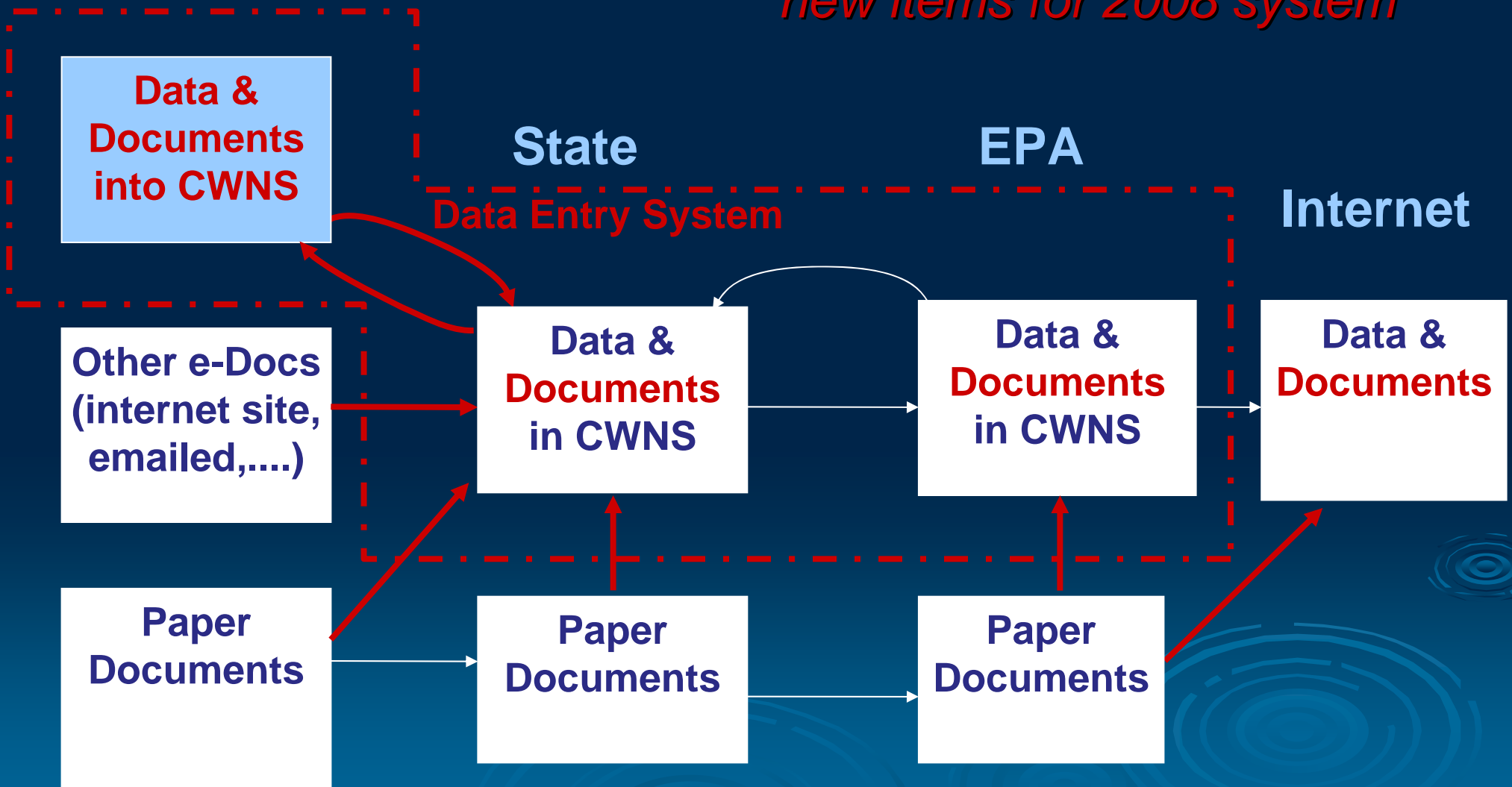


For Conference Purposes Only

CWNS 2008 Data & Document Entry Roles

Local / Secondary

Red Text and Box Outline indicates new items for 2008 system



For Conference Purposes Only

4) CWNS 2008 Data Entry System “Demo”

Local / Secondary User Initiated Registration

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

[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.

For Conference Purposes Only


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](#)

My Page

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](#).

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](#)

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.

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.

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

For Conference Purposes Only

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](#)

For Conference Purposes Only

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



For Conference Purposes Only

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

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

*Last Name

*Email Address
format: emailld@domainname.com

*Street Address

*City

*State

*Postal Code
format: nnnnn

*Daytime Phone Number
format: (xxx) xxx-xxxx

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
Connors, Matt	mnconnor	Active
Greenberg, Alyse		Active
Hines, Judy		Active
Horiates, Nick		Active
Parada, Luba		Active
Patel, Ketan	Ketan_Patel	Active
Patel, Ketan		Active
Rancan, Helen		Active
Shu, David		Active
Tilvawala, Piyush		Active

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

[Add User](#)

User Search ⌵ ✕

[Help](#)

Name:

Location:

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 -> 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

Name	Portal Username	Status
Greenberg, Alyse		Active
Hines, Judy		Active
Horiates, Nick		Active
Parada, Luba		Active
Patel, Ketan	Ketan_Patel	Active
Patel, Ketan		Active
Rancan, Helen		Active
Shu, David		Active
Tilvawala, Piyush		Active
Watersheds, Clean		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="edit"/>	<input type="text" value="delete"/>

[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, it says "Welcome to the EPA Portal Clean Watersheds Needs Survey (CWNS) Ketan Patel". Below this is a browser window titled "Team Resources - Microsoft Internet Explorer" showing a page for "Michael Plastino". The page features a navigation bar with links: "Request Access to a Community", "Personalize Your Portal", "Portal Help", and "Logout". A sidebar on the left contains a "Main Menu" with items like "Create New Facility", "Library", "Web Conferencing", "Portal Team Resources", "AskWATERS reports", "Total Population", and "Import Data". The main content area is titled "Team Resources" and includes sections for "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...), "Web Conferencing" (Allows users to host meetings over the Web...), "Team Resources Favorites" (Add New Favorites), "Team Resource Links" (Contact List / Expert List, EPA Phone Directory, Organizational Chart), and "Discussion" (Provides online discussion forums...).

For Conference Purposes Only

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

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

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

Current Folder: Library

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

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"/>	CWNS 2008 Workgroup				Michael Plastino	Sep 13, 2007 8:35 AM	Monthly meetings, SLIS, WSS,...
<input type="checkbox"/>	Needs Documentation Support				Jim Preston	Oct 19, 2007 2:21 PM	Contains supporting...
<input type="checkbox"/>	Trash				system	Oct 26, 2007 4:15 PM	
<input type="checkbox"/>	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.

Finding Facilities / Projects of Interest



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

Review Status Statistics

Status	Total
Federal Accepted	2011
Federal Review Requested	0
Federal Review Correction	0
State Assigned	0
State In Progress	5
State Correction Requested	0
Total	2016
Deleted	56
Feedback Status	
Local Assigned	4
Local In Progress	3
State Review Requested	0
State Annlied	0

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	ALEXANDRIA TWP SEPTICS	State In Progress	Hunterdon	Local In Progress	ALEXANDRIA, TWP OF
<input type="checkbox"/>	34004001022	ATLANTIC COUNTY UA - NPS	State In Progress	Atlantic	Local Assigned	ATLANTIC CO UA (CSTL)
<input type="checkbox"/>	34004001002	ATLANTIC COUNTY UA LANDFILL	State In Progress	Atlantic	Local Assigned	ATLANTIC CO UA (CSTL)
<input type="checkbox"/>	34004001001	ATLANTIC COUNTY UTILITIES AUTH WWTF	State In Progress	Atlantic	Local Assigned	ATLANTIC CO UA (CSTL)
<input type="checkbox"/>	34004002121	Atlantic County - CAFO	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

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



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

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

Search Help

Keyword

Advanced Search Help

Review Status: Federal Accepted, Federal Review Requested, Federal Review Correction

Facility/Project Name:

Overall Type: Nonpoint Source, Onsite Wastewater Treatment, Storm Water

Authority:

System Name:

County/FIPS:

Watershed:

Total Needs: (\$, Federal, Adjusted)

Documentation:

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	ALEXANDRIA TWP SEPTICS	State In Progress	Hunterdon	Local In Progress	ALEXANDRIA, TWP OF
<input type="checkbox"/>	34004001022	ATLANTIC COUNTY UA - NPS	State In Progress	Atlantic	Local Assigned	ATLANTIC CO UA (CSTL)
<input type="checkbox"/>	34004001002	ATLANTIC COUNTY UA LANDFILL	State In Progress	Atlantic	Local Assigned	ATLANTIC CO UA (CSTL)
<input type="checkbox"/>	34004001001	ATLANTIC COUNTY UTILITIES AUTH WWTF	State In Progress	Atlantic	Local Assigned	ATLANTIC CO UA (CSTL)
<input type="checkbox"/>	34004002121	Atlantic County - CAFO	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



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

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

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

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

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- More...>

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

[Add Comment](#)

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


NPDES Permit Search

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:

Review Comments

NPDES Permit Search

Keyword: atlantic cnty

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

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

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: Military

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
✓	NJ0024473	Discharge	<input checked="" type="checkbox"/>

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
✓	NJ0024473	Discharge	✓	
✓	NJ0148016	General		

For Conference Purposes Only

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

Permits

NPDES	Permit Number	Type	Use Data	Edit	Delete
✓	NJ0024473	Discharge	✓		
✓	NJ0148016	General			
✓	NJ0159913	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 [Dropdown Arrow]

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

Summary [Dropdown Arrow]

Review Status [Dropdown Arrow]

Review Comments [Dropdown Arrow]

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
Average	0.5782	0.3822

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)			
Total Flow (MGD) <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 details	129295	192990		32711	53000	
Total Receiving Treatment	154680	233375		294578	377715	

For Conference Purposes Only

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-May-05	0.4817	0.2625
Average	0.5782	0.3822

Present Design Flow: 0.5 MGD

For Conference Purposes Only

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



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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 DMR				
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
Treatment Level	Secondary	Secondary
Advance Treatment Indicators		
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 ...DMR				
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
Clean Water Financing PS, IUP and PPL	01	04/19/2000	NJDEP							
NEW JERSEY 2004 INTENDED USE PLAN	01	11/05/2003	NJDEP	Federal	\$31,230,000					
Recharge Cohansy Aquifer	23	09/20/2004	Atlantic County M.U.A	Federal	\$935,000		✓			
Reclaim Water Beneficial Reuse Projects	23	09/17/2004	Atlantic County Utilities Auth	Federal	\$6,062,000		✓			
UPDATED AUTHORITY'S 5YR CIP	20	04/15/2005	ATLANTIC COUNTY U.A.	Federal	\$28,567,000					
Total				Federal	\$66,794,000					

[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
Clean Water Financing PS, IUP and PPL	01	04/19/2000	NJDEP							
NEW JERSEY 2004 INTENDED USE PLAN	01	11/05/2003	NJDEP	Federal	\$31,230,000					
Recharge Cohansy Aquifer	23	09/20/2004	Atlantic County M.U.A	Federal	\$935,000		✓			
Reclaim Water Beneficial Reuse Projects	23	09/17/2004	Atlantic County Utilities Auth	Federal	\$6,062,000		✓			
UPDATED AUTHORITY'S 5YR CIP	20	04/15/2005	ATLANTIC COUNTY U.A.	Federal	\$28,567,000					
Total				Federal	\$66,794,000					

[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:** **Cost Method:** Documented

Classification:

* **Need Type:**

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

Adjusted Amount (\$): 0

* **SRF Eligible (%):**

* **Separate Sewer Overflow:**

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 [x]

Review Status [x]

Review Comments [x]

Document Search [x]

Document Type: 01 - Intended Use Plan

Published Date: [] []

From: [] []

Published Date To: [] []

Keyword: [] 🔍

[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
Clean Water Financing PS, IUP and PPL	01	04/19/2000	NJDEP					
NEW JERSEY 2004 INTENDED USE PLAN	01	11/05/2003	NJDEP	Federal	\$31,230,000			
Recharge Cohansy Aquifer	23	09/20/2004	Atlantic County M.U.A	Federal	\$935,000		✓	
Reclaim Water Beneficial Reuse Projects	23	09/17/2004	Atlantic County Utilities Auth	Federal	\$6,062,000		✓	
IUPDATED AUTHORITY'S SYR CIP	20	04/15/2005	ATLANTIC COUNTY U.A.	Federal	\$28,567,000			
Total				Federal	\$66,794,000			

[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](#)

[<< | Prev | 1 - 5 of 4575 | Next | >>]

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
Clean Water Financing PS, IUP and PPL	01	04/19/2000	NJDEP							
JONES/STITES/CARINO/TAYLOR CREEK ESTUARY (NJ 16-000 JONES/STITES/CARINO/TAYLOR CREEK ESTUAR)	11	01/01/2004	Impaired Waters Database						+	
NEW JERSEY 2004 INTENDED USE PLAN	01	11/05/2003	NJDEP	Federal	\$31,230,000					
Recharge Cohansy Aquifer	23	09/20/2004	Atlantic County M.U.A	Federal	\$935,000		✓			
Reclaim Water Beneficial Reuse Projects	23	09/17/2004	Atlantic County Utilities Auth	Federal	\$6,062,000		✓			
UPDATED AUTHORITY'S 5YR CIP	20	04/15/2005	ATLANTIC COUNTY U.A.	Federal	\$28,567,000					
Total				Federal	\$66,794,000					

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* 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
Clean Water Financing PS, IUP and PPL	01	04/19/2000	NJDEP							
NEW JERSEY 2004 INTENDED USE PLAN	01	11/05/2003	NJDEP	Federal	\$31,230,000					
Recharge Cohansy Aquifer	23	09/20/2004	Atlantic County M.U.A.	Federal	\$935,000		<input checked="" type="checkbox"/>			
Reclaim Water Beneficial Reuse Projects	23	09/17/2004	Atlantic County Utilities Auth	Federal	\$6,062,000		<input checked="" type="checkbox"/>			
UPDATED AUTHORITY'S 5YR CIP	20	04/15/2005	ATLANTIC COUNTY U.A.	Federal	\$28,567,000					
Total				Federal	\$66,794,000					

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



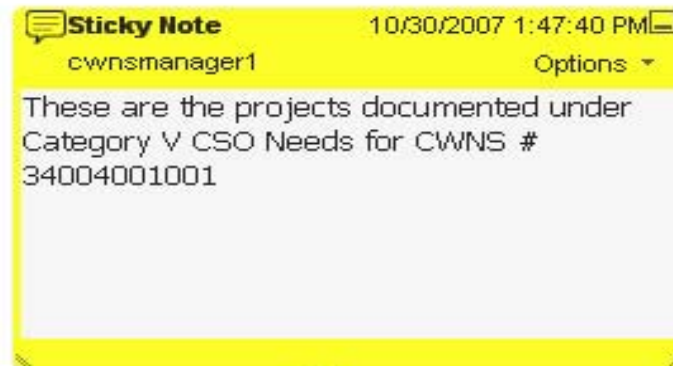
Mr. Stanley Cach, Bureau Chief
Department of Environmental Protection
NJDEP - Municipal Finance
Bureau of Engineering – North
401 E. State Street - 3rd Floor
CN 425
Trenton, New Jersey 08625

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

Send and Receive Comments

Mr. Stanley Cach, Bureau Chief
Department of Environmental Protection
NJDEP - Municipal Finance
Bureau of Engineering – North
401 E. State Street - 3rd 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

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

Capital Costs Funding O & M

Summary

Review Status

Review Comments

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

Funding Source

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

Select	Loan Info
<input type="checkbox"/>	<p>Borrower: Cape May Point Borough Tracking #: S340005-01 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 <input checked="" type="checkbox"/> Rehabilitation Amount: \$161,766</p>

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

Associate with Facility

CWSRF Load Information added to Needs Funding Area



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Ketan Patel
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

Funding Source

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 Loan Info

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

[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
- 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
Loan	SRF	11/10/2005	S340005-01	Federal/State	15	III-B Sewer System Rehabilitation	\$161,766		✓		✗
Total							\$161,766				

Add/Edit Funding Source

* Type: Grant

* Agency/Program: CDBG

* Award Date: 10/28/2005 (mm/dd/yyyy)

* Loan Number: ABC-1234

* Source: Private

* Total(\$): 1000000

* % Funded by CWSRF: 0

Save Cancel

Add State managed Funding data to Needs Funding Area



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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	S340005-01	Federal/State	15	III-B Sewer System Rehabilitation	\$161,766				
Total							\$1,161,766				


[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  HUC-8 (defaulted to Primary Watershed)
 Keyword Only
Keyword

All TMDL Completed TMDL Needed

Select	Information
<input checked="" type="checkbox"/>	List ID: NJ 16-0005 JONES/STITES/CARINO/TAYLOR CREEK ESTUAR 303(d) Water Body Name: JONES/STITES/CARINO/TAYLOR CREEK ESTUARY ...TMDLs
<input type="checkbox"/>	List ID: NJ-LM2160 X 303(d) Water Body Name: NEW BROOKLYN LAKE ...TMDLs
<input type="checkbox"/>	List ID: NJ 0899 303(d) Water Body Name: MILL CREEK No TMDLs Entered
<input type="checkbox"/>	List ID: NJ 15-0014 TUCKAHOE RIVER ESTUARY 303(d) Water Body Name: TUCKAHOE RIVER ESTUARY No TMDLs Entered
<input type="checkbox"/>	List ID: NJ 15-0002 BABCOCK CREEK 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
<input type="checkbox"/>	List ID: NJ-LM2160_X 303(d) Water Body Name: NEW BROOKLYN LAKE ...TMDLs
<input type="checkbox"/>	List ID: NJ_0899 303(d) Water Body Name: MILL CREEK No TMDLs Entered
<input type="checkbox"/>	List ID: NJ_15-0014_TUCKAHOE RIVER ESTUARY 303(d) Water Body Name: TUCKAHOE RIVER ESTUARY No TMDLs Entered
<input type="checkbox"/>	List ID: NJ_15-0002_BABCOCK CREEK 303(d) Water Body Name: BABCOCK CREEK No TMDLs Entered
<input type="checkbox"/>	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
NJ_16-0005_JONES/STITES/CARINO/TAYLOR CREEK ESTUAR	JONES/STITES/CARINO/TAYLOR CREEK ESTUARY	Detail Report

For Conference Purposes Only

74

Needs Data Area



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

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[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
Clean Water Financing PS, IUP and PPL	01	04/19/2000	NJDEP					
JONES/STITES/CARINO/TAYLOR CREEK ESTUARY (NJ 16-0005 JONES/STITES/CARINO/TAYLOR CREEK ESTUAR)	11	01/01/2004	Impaired Waters Database					
NEW JERSEY 2004 INTENDED USE PLAN	01	11/05/2003	NJDEP	Federal	\$31,230,000			
Recharge Cohansy Aquifer	23	09/20/2004	Atlantic County M.U.A.	Federal	\$935,000		✓	
Reclaim Water Beneficial Reuse Projects	23	09/17/2004	Atlantic County Utilities Auth	Federal	\$6,062,000		✓	
UIPDATED AUTHORITY'S 5YR CIP	20	04/15/2005	ATLANTIC COUNTY U.A.	Federal	\$28,567,000			
Total				Federal	\$66,794,000			

[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 [?] [chat]

Name:

Description:

CWIS Number:


System Name: 

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 | **Project** | **Location** | **Needs** | **Pollution**

Summary
Review Status
Review Comments

Location Information

[Use Map to Get Information](#)

Coordinates

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

Areas Related To Needs

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

WATERS Lite Viewer opens in separate browser

The image shows a screenshot of the EPA Portal website. On the left, there is a navigation menu with the following items: [home](#) > Facility/Project, **Facility/Project Me**, **Summary**, **Review Status**, and **Review Comments**. The main content area displays a map of the Atlantic City area, including locations like Pomona, Cardiff, Pleasanton, Venice Park, Atlantic City, Margate City, and Ocean City. The map is overlaid with a blue water body and a red line indicating a facility or project. A scale bar indicates 5 miles. The map is titled "Virtual Earth" and includes copyright information: "© 2007 Microsoft Corporation © 2006 NAVTEQ © ARES".

A separate browser window titled "Web Page Dialog" is open over the map, showing the URL: http://rtidemo.rti.org/WLV_Viewer/VEViewer.aspx?type=CWNSNPS&sessionId=3D6B1743E849D14BE04060C. The browser window also shows a "Support Help Logout" menu and a "Map to Get Information" link.

WATERS Lite Viewer – Multiple view options



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

[Help](#)

Overview Clear Start Sketch Submit

For Conference Purposes Only

WATERS Lite Viewer – Delineating a Polygon...



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

[Help](#)

Overview Clear Pause Sketch Submit

For Conference Purposes Only

WATERS Lite Viewer – Finishing the Polygon, Return to CWNS

Microsoft®
Virtual Earth™

2D 3D

Road
Aerial
Hybrid

1.781 miles, 65.701 acres

0.6 miles

© 2007 Microsoft Corporation © 2005 NAVTEQ
© AND Image courtesy of USGS

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

Overview Clear Pause Sketch Submit

[Help](#)

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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
Captial Improvement Plan for Passaic County	04/02/2008	✓
Sanitary Sewer System Addendum	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	Passaic County Waste Water Treatment Plant	Local In Progress
34001001002	Whippany River Watershed	Local In Progress
34001001003	Westside Sewer System	State Review Requested
-	New Passaic County Waster Water Treatment Plant	State New Requested



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	Passaic County Waste Water Treatment Plant	Local In Progress
34001001002	Whippany River Watershed	Local In Progress
34001001003	WestSide Sewer System	State Review Requested
-	New Passaic County Waster Water Treatment Plant	State New Requested

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
Feedback Status: Local In Progress
State: MO
Federal Needs: \$5,699,000
System Name:

CWNS Number: 34001001001
Review Status: State in Progress

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

Save

Review Comments

Document Management

Facility: 34001001001 Passaic County ...

Title	date	public
Capital Improvement Plan for Passaic County	04/02/2008	✓
Sanitary Sewer System Addendum	01/02/2008	

Add

Facility: Passaic County Waste Water Treatment Plant

Save Cancel

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"/>

Add New Type

Permits

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

Add Permit

Points of Contact

Done Local intranet 100%

For Conference Purposes Only

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

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

For Conference Purposes Only

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)

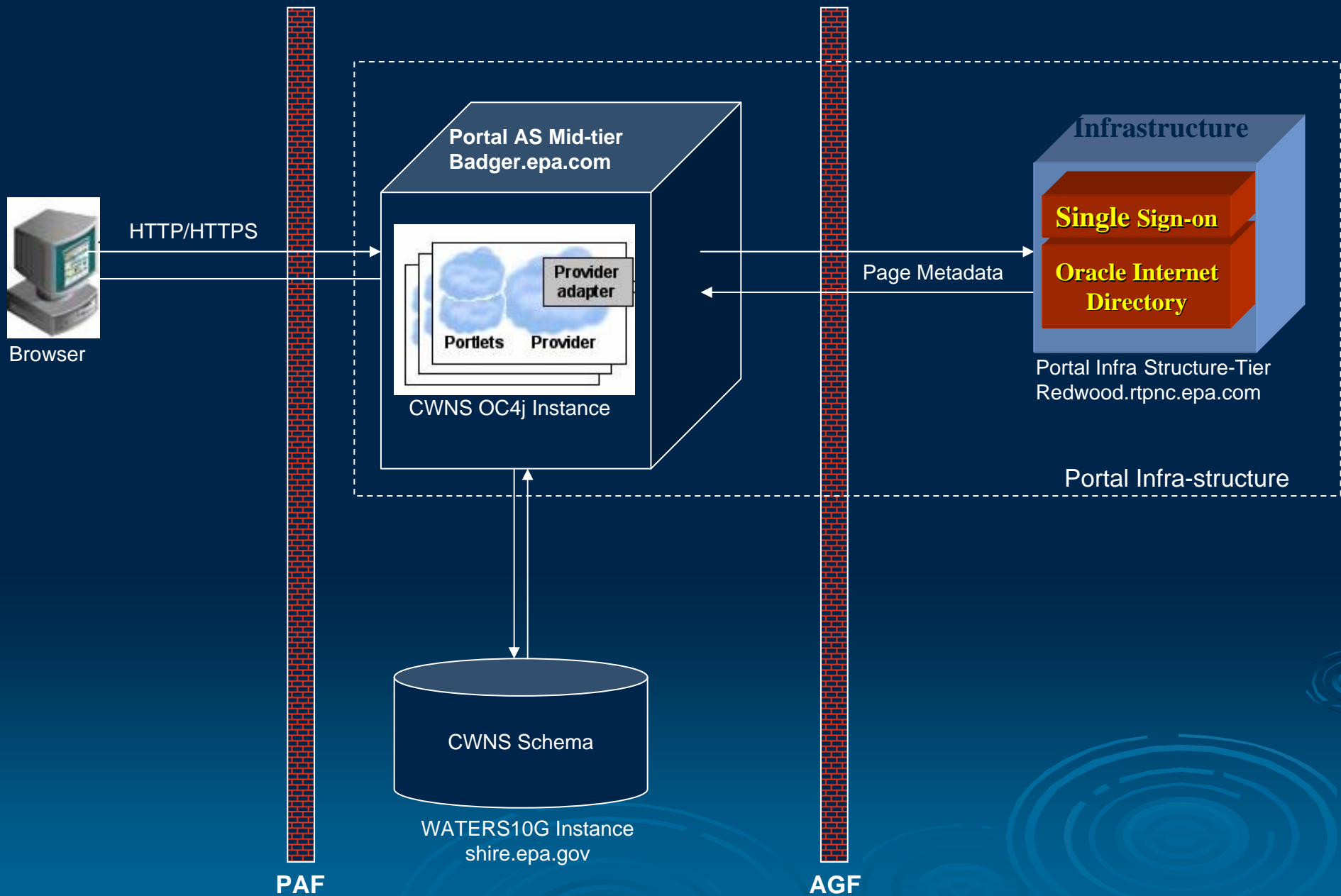
Northbridge Environmental (SRF Benefits Database)

For Conference Purposes Only

Supplemental Slides

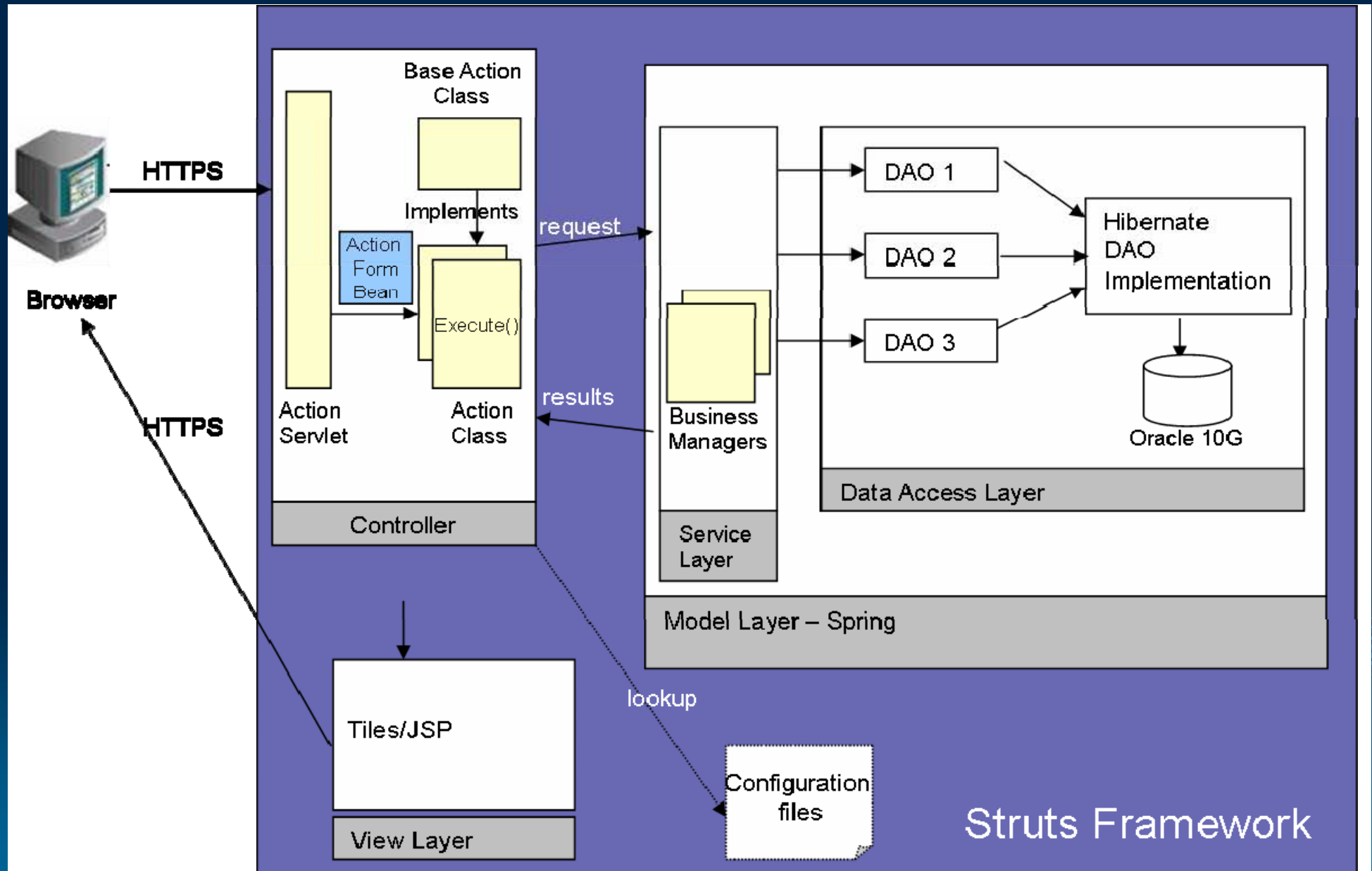
5) CWNS 2008 Data Entry System - Technical Details -

CWNS – High Level System Architecture

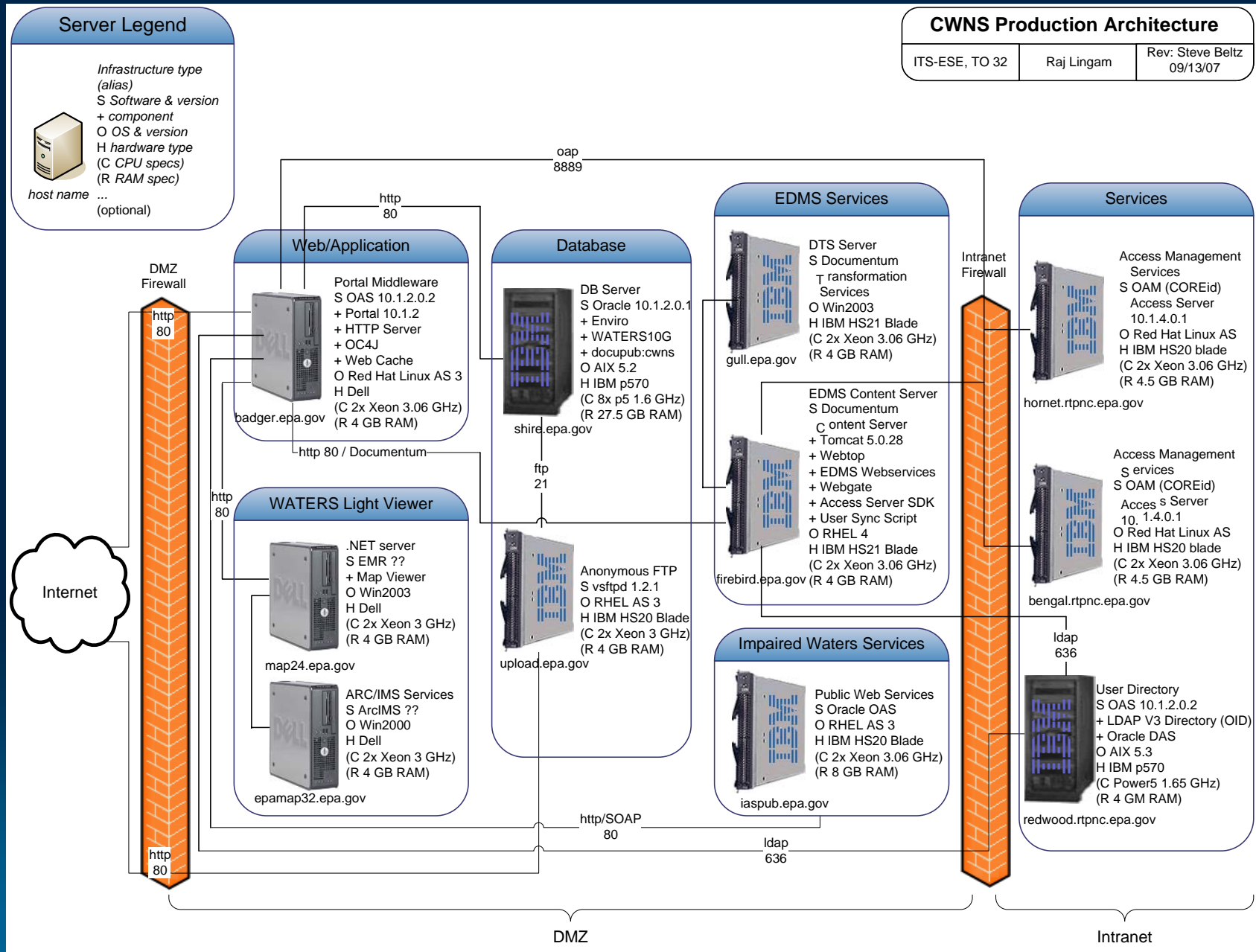


For Conference Purposes Only

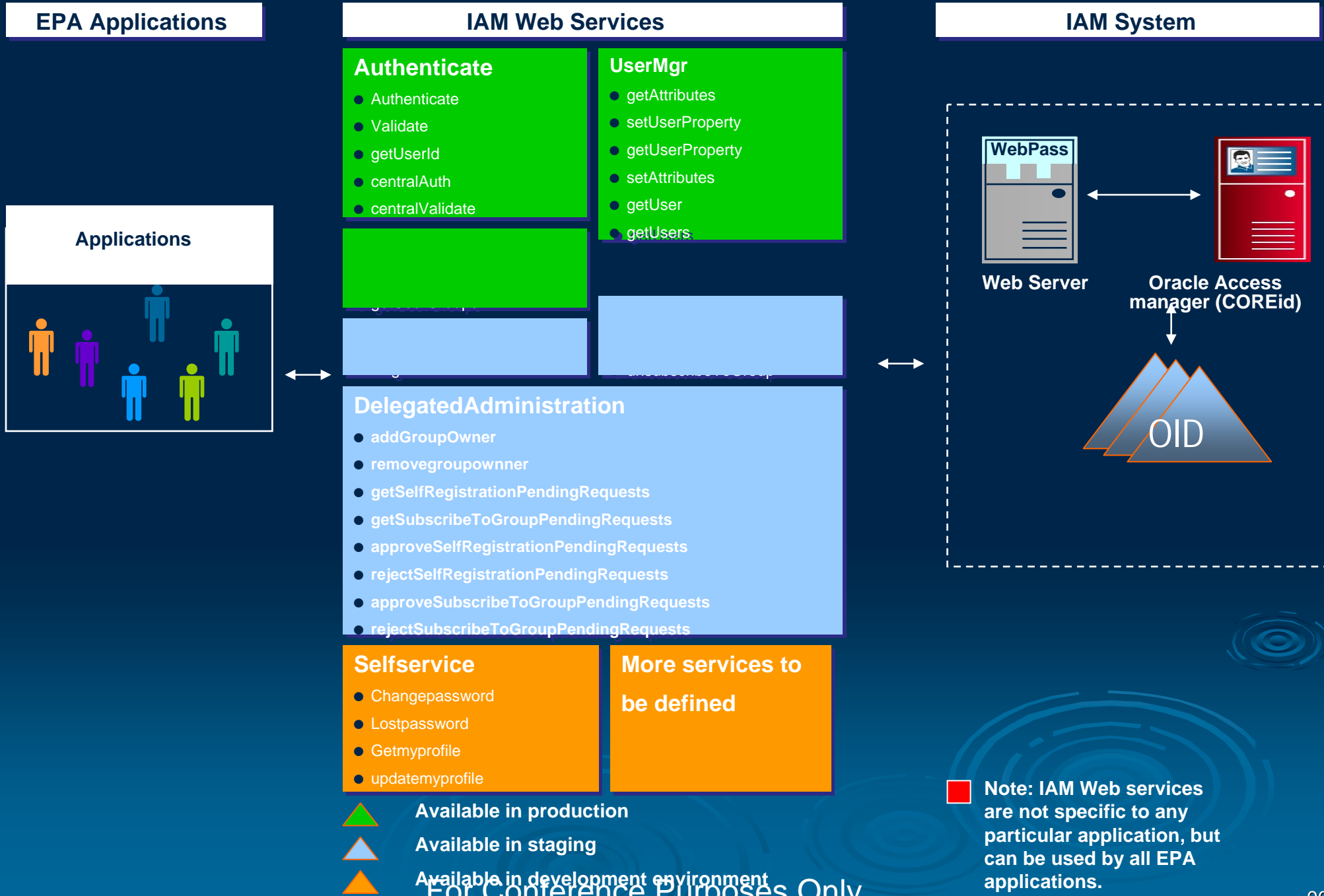
CWNS – Software Architecture



CWNS in NCC Production Environment



Identity Access & Management (IAM) Web Services

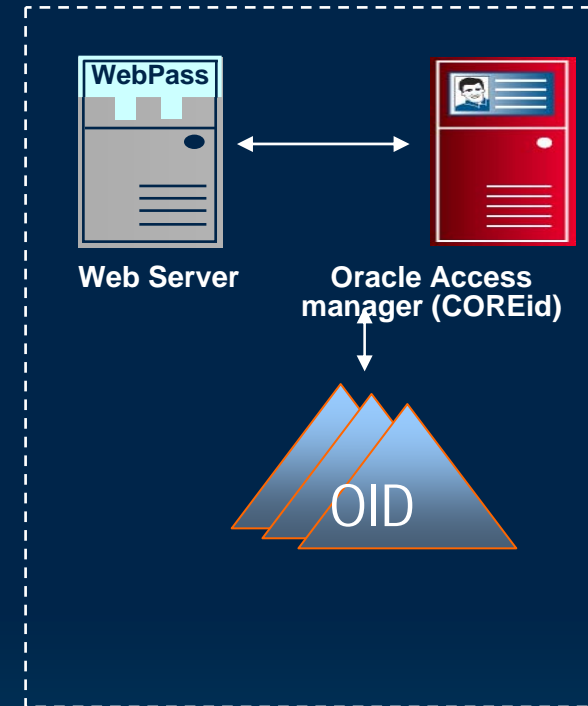
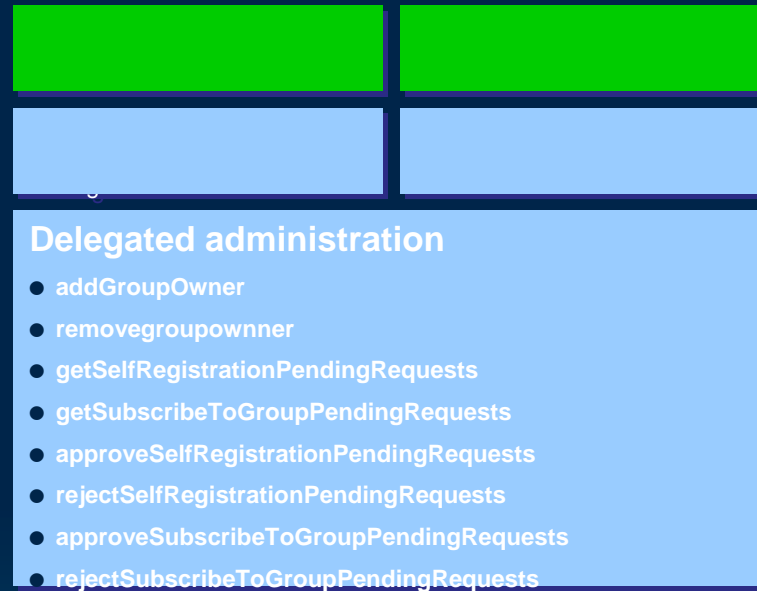


CWNS IAM Web Services

CWNS Application

IAM Web Services

IAM System



Available in production

Available in staging environment



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

EDMS Web Services

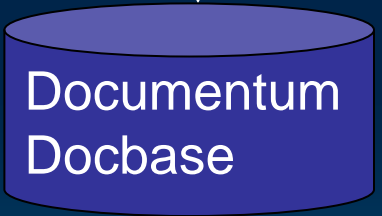
CWNS Application

EDMS Web Services

EDMS System



- uploadDocument
- createUrlByObjectId

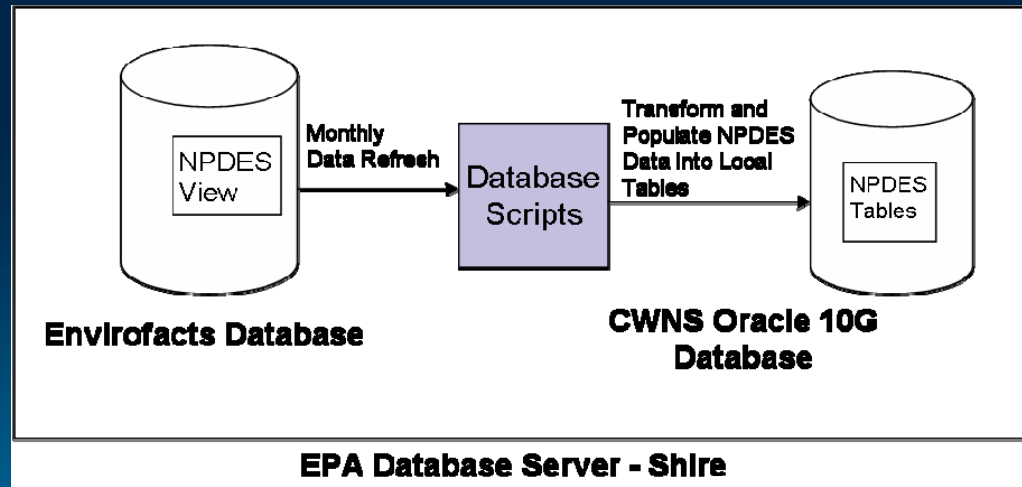


- ▲ Available in production
- ▲ Available in staging environment

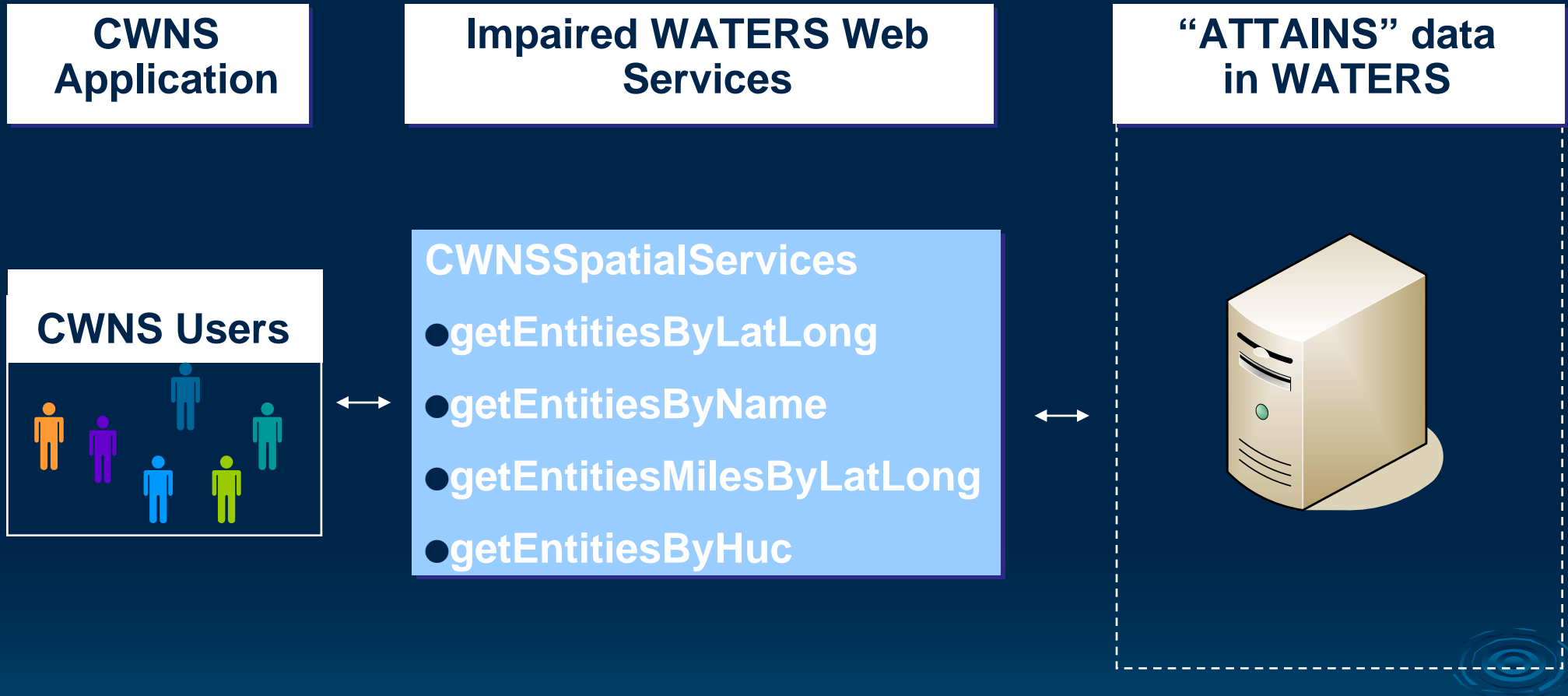
For Conference Purposes Only

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



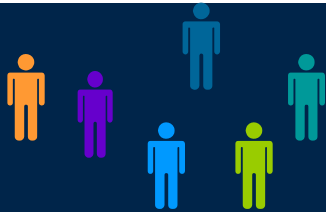
Available in staging environment

For Conference Purposes Only

WATERS Lite Viewer Web Services

CWNS Application

CWNS users



Impaired WATERS Web Services

WATERS_Zoom_Service

- findAdjacentFeatures
- findFeatureByPoint
- getBBox

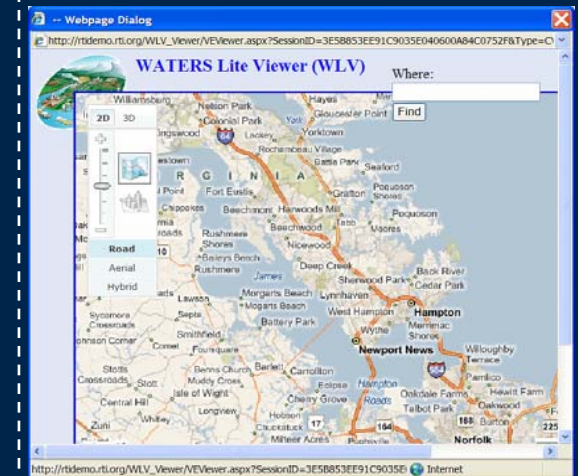
WATERS_Create_List_Service

- 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

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

[Recent Additions](#) | [Contact Us](#) | Search:

[EPA Home](#) ; [Water](#) ; [WATERS](#) ; [Tools](#) ; [Ask WATERS](#)



**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:

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

(Display only)

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

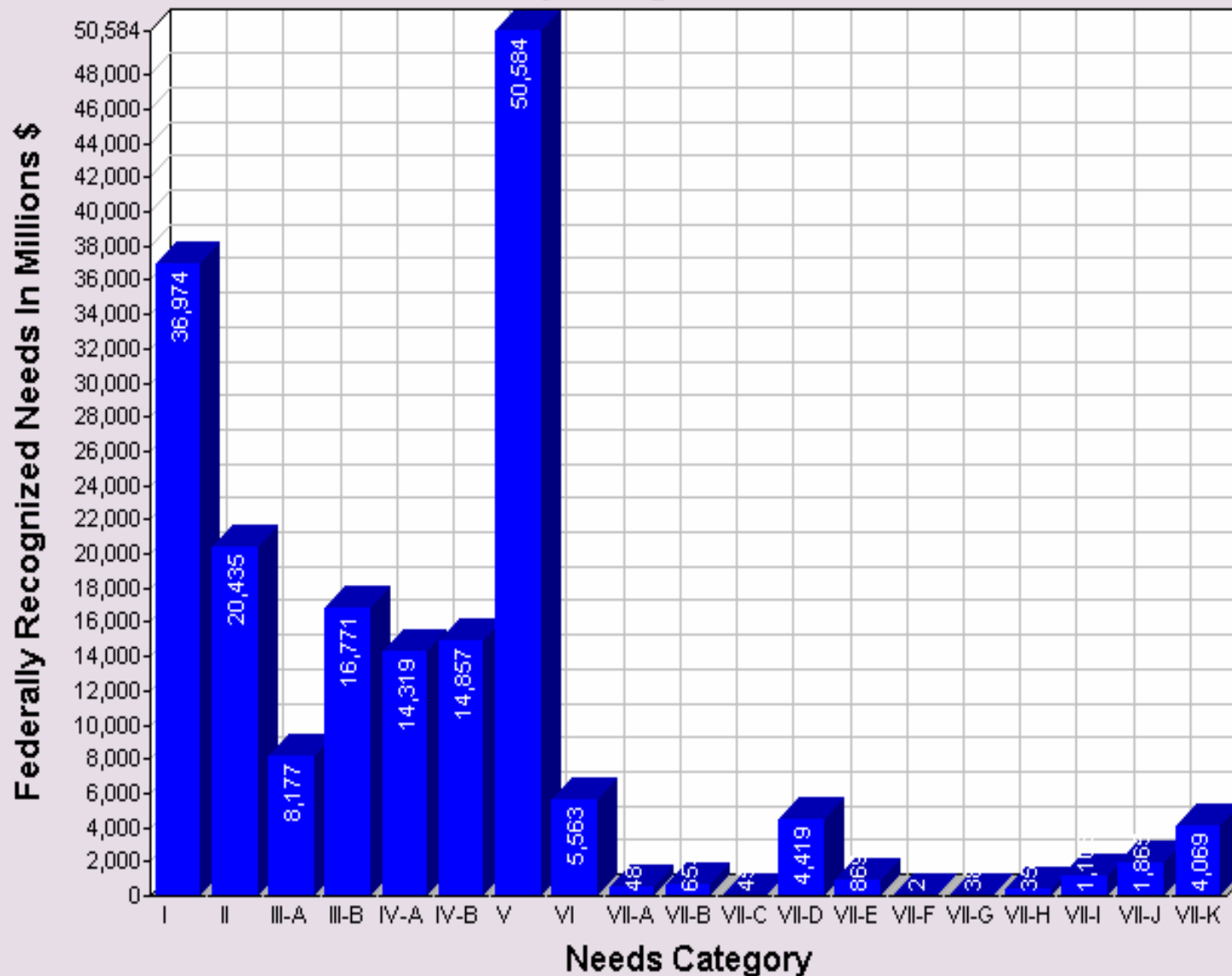
(Display only)

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

(Display only)

CWNS Total Federally Recognized Needs by Category

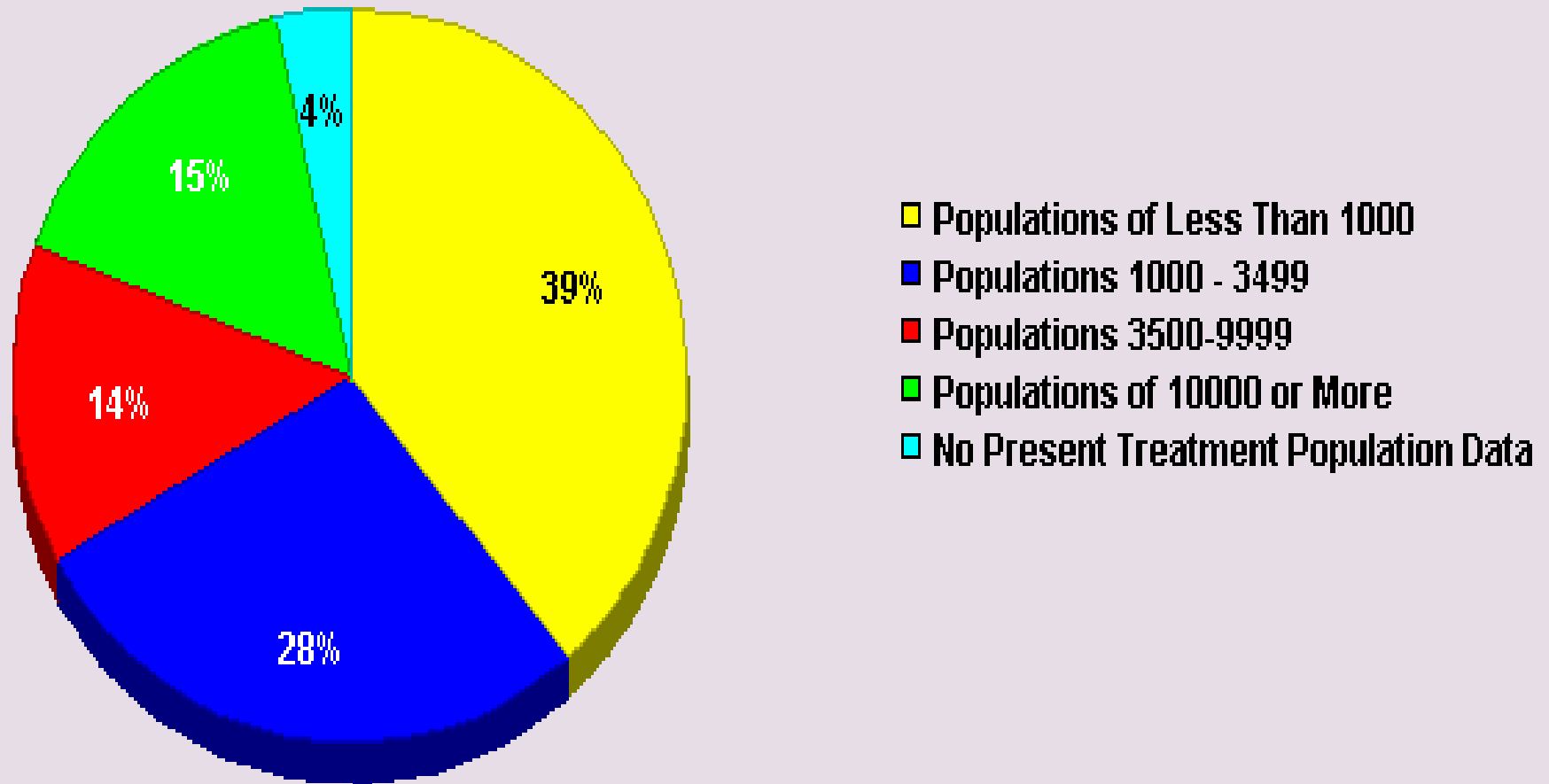
■ Federally Recognized Needs



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

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:](#) 

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

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

(Display only)

Run Report

Reset

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.

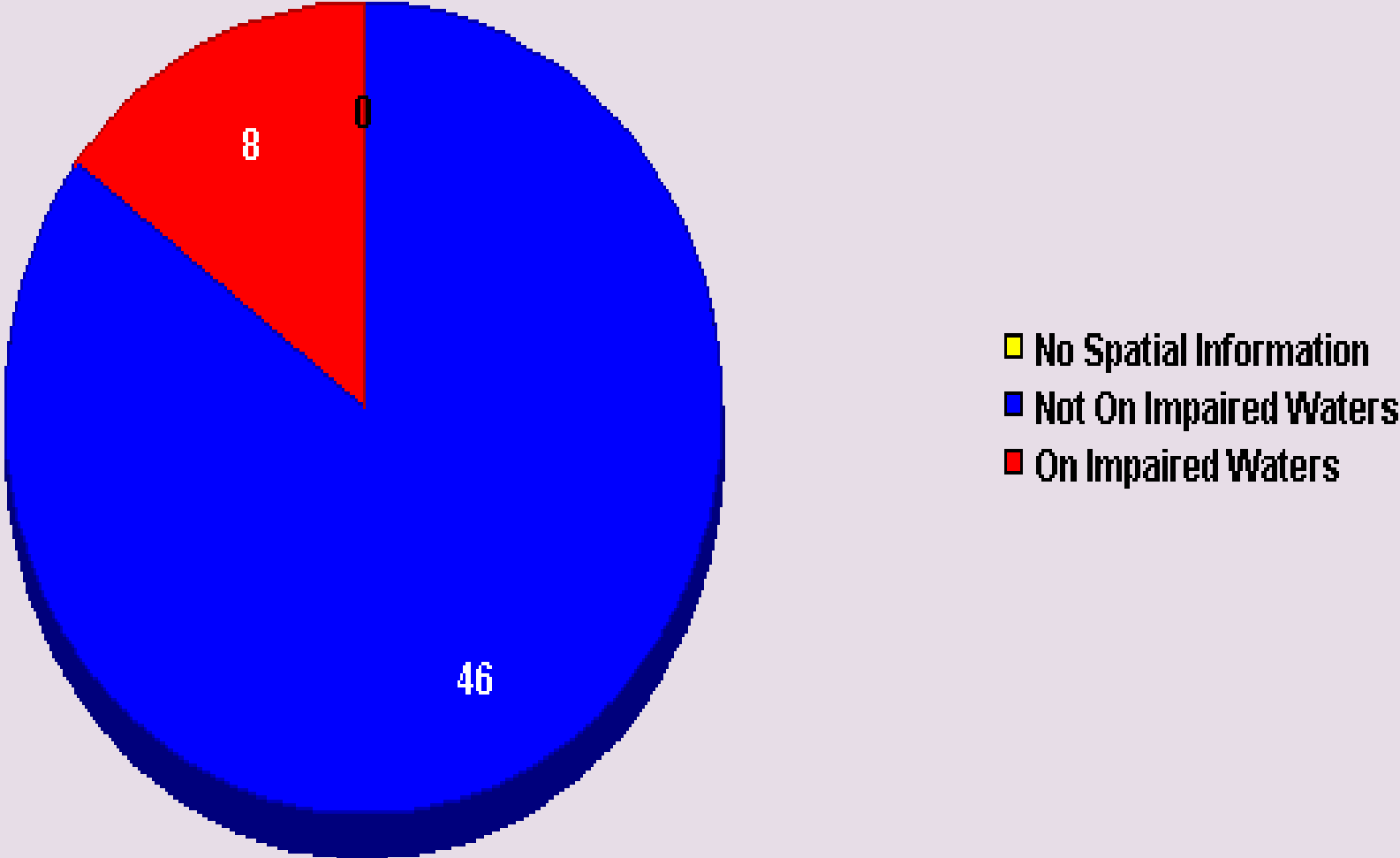
Needs Category Type (Select one or more categories):

Select/De-select all Needs categories

I: Secondary Wastewater Treatment

II: Advanced Treatment

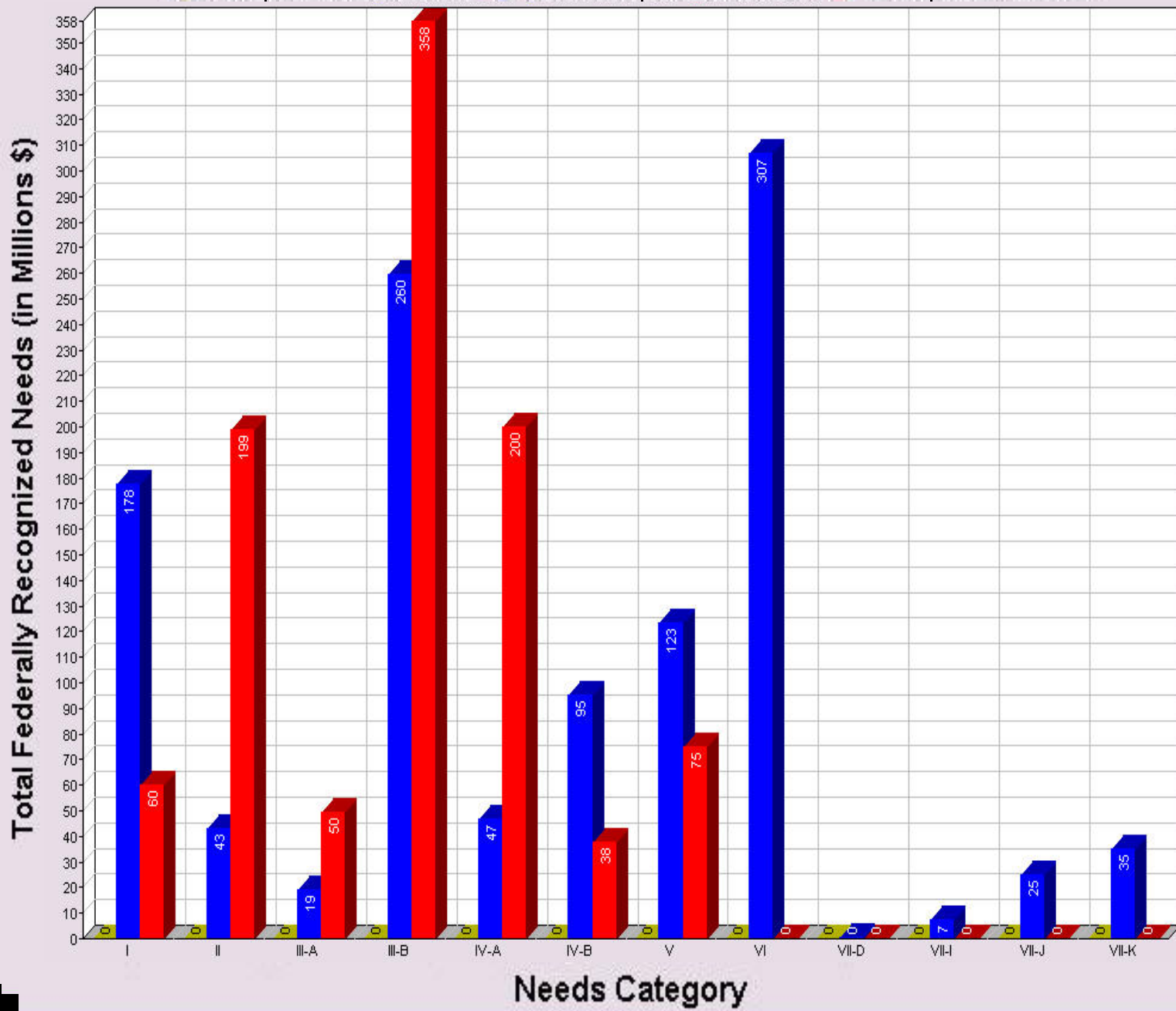
Impaired Water Status for CWNS Facilities and Projects



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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[EPA Home](#) > [Water](#) > [WATERS](#) > [Tools](#) > Ask WATERS

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	CWNS Facility Report	Map CWNS Facility	II	Advanced Treatment	\$16,488,000	\$46,377,000	No
3	MD	Carroll	24000005003	Freedom District WWTP	CARROLL COUNTY DPW	CWNS Facility Report	Map CWNS Facility	II	Advanced Treatment	\$2,928,000	\$27,031,000	No
					MOUNTAIN							

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:

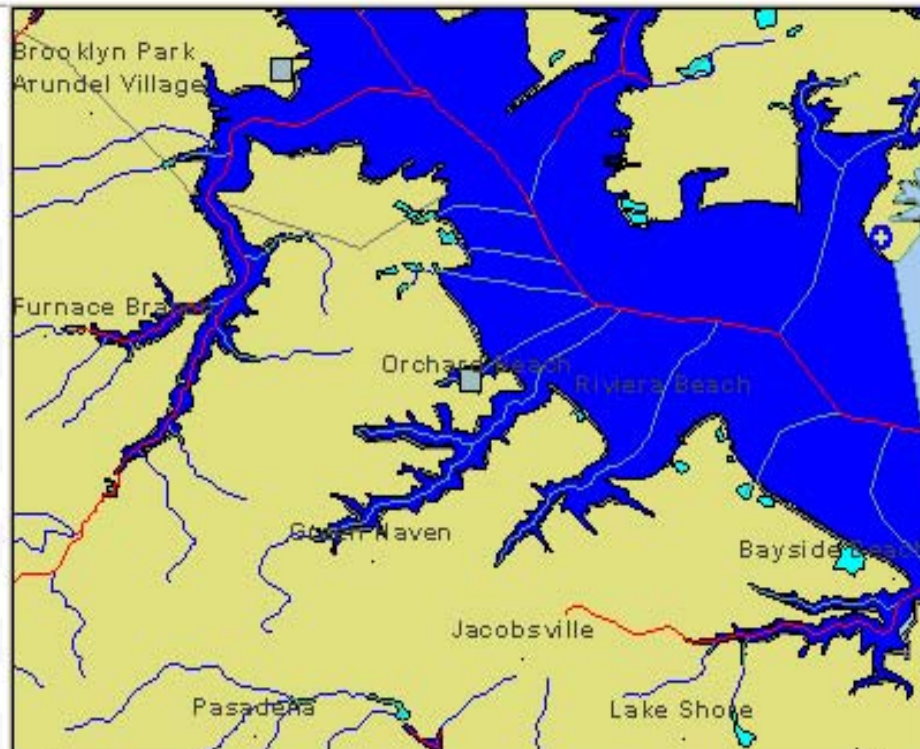
Name:
 Authority: ANNE ARUNDEL COUNTY DPW
 Address:
 Phone: Fax:
 Email:

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)	Number	Type
indicates NPDES Permit	MD0021661	Discharge

- | DISPLAY | LABEL ALL | ACTIVE | MAP FEATURES |
|-------------------------------------|--------------------------|-------------------------------------|---------------------------|
| <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



Click on map to:

Zoom In
 Zoom to View
 Recenter Map
 Show Location

Locator Map
 Start New Map

 Click on compass to pan map
 Printable Map

Identify Active Feature
 Add Active Feature Label

[Multi-color Menu](#)
[Zoom To Area Menu](#)