

# Region 2 Environmental Data Collection and Information QA Lifecycle Tracking System

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January 27, 2009

# Need for New Tracking System Database

- Agency transition from Approach to Access
- Centralized point to gather information for environmental data collection activities from QAPP reviews to data archival
- Minimize manual data entry; free up resources
- Track and compare Analytical Request Form (ARF) and ANSETS submittals to determine compliance with FASTAC
- Generate various management reports

# Need for New Tracking System Database

- Workgroup formed to assess informational and database needs
- Collaboration with appropriate QA staff on individual data needs
- Consideration of potential future interactions with CLP systems including ANSETS, SUPRS and STS

# Database Structure


- Easy access to Forms, Reports and ANSETS (Exhibit 1)
- Separate forms to meet individual needs (Exhibit 2)
- Table connectivity to limit the need for repetitive data entry
- Automated import of data from ARF
- Forms:
  - Basic Site Information
  - Document Review (Exhibit 3)
  - Project Information
  - Analytical Information

# Database Structure

- Forms (cont)
  - Contractor Information
  - SDG Information
  - ROC and TDF Information
  - Rejected Data Information
  - Data Archival
  - ANSETS
- Forms setup with security features so individuals responsible for providing information can complete
- Administrative Access granted to limited number of people
- ANSETS table and form set up for compatibility with National ANSETS database

# Exhibit 1: R2 Tracking Database Welcome Page

Welcome to the EPA Region 2 HWSS Database



Please Choose Your Destination:

**Forms**

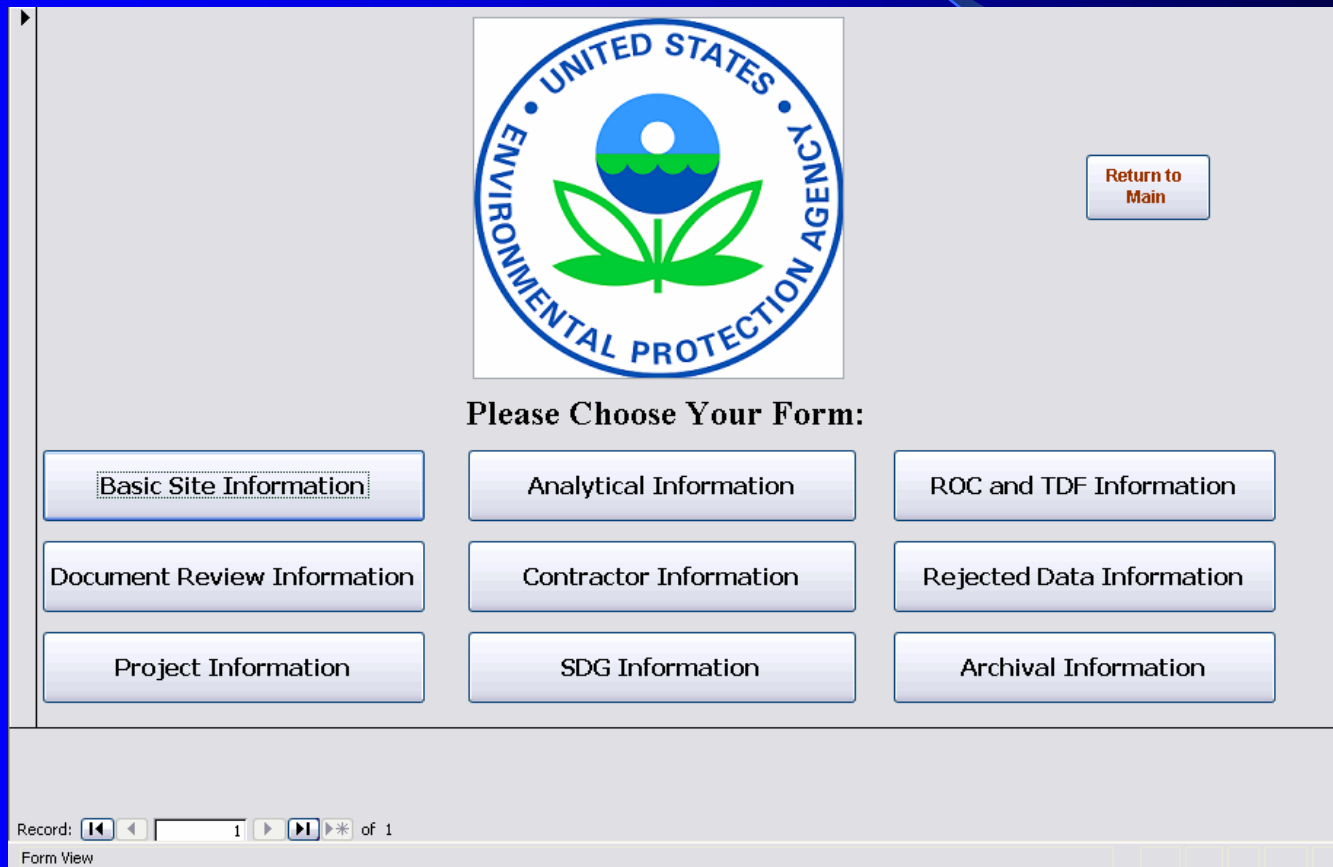
**Reports**

**ANSETS**


Close Database

Record: 1 of 1

# Exhibit 2: Database Form Selection Page



The screenshot displays the EPA Database Form Selection Page. At the top center is the EPA logo, which features a stylized flower with a sun in the center, surrounded by the text "UNITED STATES ENVIRONMENTAL PROTECTION AGENCY". To the right of the logo is a button labeled "Return to Main". Below the logo, the text "Please Choose Your Form:" is displayed. Underneath this text is a grid of nine buttons, each representing a different form category. The buttons are arranged in three rows and three columns. The first row contains "Basic Site Information", "Analytical Information", and "ROC and TDF Information". The second row contains "Document Review Information", "Contractor Information", and "Rejected Data Information". The third row contains "Project Information", "SDG Information", and "Archival Information". At the bottom of the page, there is a record navigation bar with the text "Record: 1 of 1" and several navigation icons. Below the navigation bar, the text "Form View" is displayed.



[Return to Main](#)

**Please Choose Your Form:**

<a href="#">Basic Site Information</a>	<a href="#">Analytical Information</a>	<a href="#">ROC and TDF Information</a>
<a href="#">Document Review Information</a>	<a href="#">Contractor Information</a>	<a href="#">Rejected Data Information</a>
<a href="#">Project Information</a>	<a href="#">SDG Information</a>	<a href="#">Archival Information</a>

Record: 1 of 1

Form View

# Exhibit 3: Database Form for Document Review Information

Document Review Information	
CERCLIS ID: <input type="text" value="NJD980528996"/>	Site Name: <input type="text" value="DIAMOND ALKALI CO."/> <input type="button" value="Search"/>
City/Town: <input type="text" value="NEWARK"/>	State: <input type="text" value="NJ"/>
Program Type: <input type="text" value="Remedial"/>	Version: <input type="text" value="Pre-Final"/>
Project Type: <input type="text" value="Superfund"/>	<input type="button" value="New Entry"/>
Description: <input type="text" value="QAPP for CPG Oversight, LPRRP 2008 Sediment Sampling Program"/>	<input type="button" value="Return to Forms"/>
Report Type: <input type="text" value="QAPP Related"/>	If QAPP Related: <input type="text" value="UFP"/>
QAPP Received Date: <input type="text" value="7 / 7 / 2008"/>	
Estimated Completion Date: <input type="text" value="7 / 14 / 2008"/>	Actual Completion Date: <input type="text" value="7 / 10 / 2008"/>
<b>Reviewer</b>	
First Name: <input type="text" value="Bill"/>	Fiscal Year: <input type="text" value="2008"/>
Last Name: <input type="text" value="Sy"/>	Filename: <input type="text" value="07PassRivLowResCoreovrsght.doc"/>
Notes: <input type="text"/>	

Record:   1 of 23

Enter ID from CERCLIS Database or temporary ID (booking form)

NUM



# On Going Efforts/Database Status

- Working with IT personnel to fine tune database structure, forms, and reports
- Working with the CLP SMO on the export of ANSETS data from R2 to HQ
- Developing report formats (Exhibits 4 & 5)
- Ongoing training of staff on use of database

# Exhibit 4: QA Documents Report

## QA DOCUMENTS @ HWSS FOR REVIEW

Site/Project	Project Type	Description	Version	Reviewer	Date Received	Requested/ Estimated Completion Date	Notes
POHATGONG VALLEYGROUND WATER CONTAMINATION	Superfund	Work Plan	Draft		12/29/2008	1/19/09	
TUTU WELLFIELD	Superfund	Long Term Response Action	Draft	Lopez	1/8/2009	1/19/09	
PESTICIDE WAREHOUSE III	Superfund	Oversight QAPP	Draft	Lopez	1/13/2009	2/4/2009	

Access has a one-click option to easily import the report into a Word document for additional editing and easy printing.

# Exhibit 5: Completed Reviews Report

## Completed Reviews

Site Name	Project Type	Description	Reviewer Last Name	QAPP Received Date	Review Completion	Turnaround	Notes
DIAMOND ALKALI CO.	Superfund	QAPP for CPG Oversight, LPRP 2008 Sediment Sampling Program	Sy	7/7/2008	7/10/2008	3	
SHERWIN-WILLIAMS/HILL LIARDS CREEK	PRP	Supplemental RI for Paints Works Site	Sy	7/8/2008	7/31/2008	23	
DIAMOND ALKALI CO.	Superfund	Oversight QAPP for the Lower Passaic River Restoration Project	Sy	7/21/2008	7/24/2008	3	Notified EPM (Alice Yeh) on 7/24/08 via e-mail that comments #2 and #10 were not addressed. No formal written document generated.
PUCHACK WELL FIELD	Superfund	QAPP for Pilot Study, Remedial Design for OUI	Sy	7/31/2008	8/19/2008	19	
DIAMOND ALKALI CO.	Superfund	Sampling, Analysis and Monitoring Plan for O & M	Sy	8/11/2008	9/4/2008	24	A new plan will be submitted in UFP once new PQL studies are initiated
DIAMOND ALKALI CO.	PRP	Engineering Evaluation/Cost Analysis	Sy	10/6/2008	10/17/2008	11	
DIAMOND ALKALI CO.	Superfund	Lower Passaic River Sediment Consolidation Analysis	Sy	10/24/2008	10/29/2008	5	QAPP Addendum/Modification prepared by Sea Engineering, Inc. submitted by Makohn Pirnie

# Analytical Request Form (ARF)

- Combined separate request forms used by the DESA lab and the CLP
- Designed to provide information to monitor compliance with FASTAC
- Designed in Excel with the intent for automated export of data into Regional Tracking database
- Form provided electronically to RSCC by customers

# Structure of ARF

- 3 Excel Worksheets
  - Project specific information
  - Analytical requirements information
  - Detailed instructions
- Drop down menus for several fields
- Meets informational needs for both the Regional Lab and CLP

# Analytical Request Process

- Form submitted electronically to RSCC
- RSCC checks completeness & accuracy
- RSCC collaborates with Regional Lab as to what samples stay in house, what goes to the CLP or National Non-RAS lab, and what needs to be sub-contracted out
- CLP requests are entered into SUPRS for scheduling

# Analytical Request Process

- Information from ARF is transferred to the tracking database (currently done manually, but will be automated in future)
- Exhibits 6 & 7 show ARF worksheets
- Exhibits 8 & 9 show corresponding tracking database forms

US EPA Region 2  
Analysis Request Form

**\*\* Shaded area for RSC C use only \*\***



# Exhibit 7: R2 ARF Analytical Information Worksheet

[illegible]

# Exhibit 8: Database Project Information Form

Project Information			
CERCLIS ID	<input type="text" value="PRN000204538"/>	Case Number	<input type="text" value="37315"/>
		Operable Unit	<input type="text" value="01"/>
		Action Code:	<input type="text"/>
Date Cancelled	<input type="text"/>	Lab Used	<input type="text"/>
<b>EPA Project Manager</b>		<b>Trip Report</b>	<b>Sampling</b>
First Name	<input type="text" value="Adalberto"/>	Date Due	<input type="text" value="5/30/2008"/>
Last Name	<input type="text" value="Bosque"/>	Date Received	<input type="text"/>
		Start Date	<input type="text" value="4/28/2008"/>
		End Date	<input type="text" value="5/23/2008"/>
Request Received Date	<input type="text"/>	Date Booked	<input type="text"/>
		Requestor Notified Date	<input type="text"/>
Contaminants of Concern	<input type="text" value="Volatiles"/>		
Known Hazardous Waste Constituents	<input type="text"/>		
Special Requests	<input type="text"/>		
<input type="button" value="Find CERCLIS"/>			
<input type="button" value="New Entry"/>			
<input type="button" value="Return to Forms"/>			

Record:   1 of 57

ID from CERCLIS Database or temporary ID (booking form)

# Exhibit 9: Database Analytical Information Form

frmAnalyticalInput

## Analytical Information

CERCLIS ID:

Case Number:

Shipping Dates  
 Start:   
 End:

Requested Analyses:

Planned # Samples	Actual # Samples	Conc. Level	Matrix	Analysis	TAT	SOW/Method	Laboratory Name
200		Low	Soil	VOCs, TCL	42	SOMD1.2	MITKEM
200		Low	Soil	SEMI-VOLATILES, TCL + SUSIM	42	SOMD1.2	MITKEM
200		Low	Soil	PCBs, TCL	42	SOMD1.2	MITKEM
200		Low	Soil	PESTICIDES, TCL	42	SOMD1.2	MITKEM
200		Low	Soil	METALS, TAL (ICP-MS) + Hg & CN (1441.2)	42	ILMB5.4	CHEM
200		Low	Soil	SEMI-VOLATILES, 1,4-DIOXANE (1564.1)	42	SOMD1.2	MITKEM
15		Low	Aqueous	VOCs, TCL	42	SOMD1.2	MITKEM
15		Low	Aqueous	SEMI-VOLATILES, TCL	42	SOMD1.2	MITKEM
15		Low	Aqueous	PCBs, TCL	42	SOMD1.2	MITKEM
15		Low	Aqueous	PESTICIDES, TCL	42	SOMD1.2	MITKEM
15		Low	Aqueous	METALS, TAL (ICP-MS) + Hg & CN	42	ILMB5.4	CHEM
42		Low	Aqueous	SEMI-VOLATILES, 1,4-DIOXANE (1564.1)	42	SOMD1.2	MITKEM

Record:     1 of 21

Record:     24 of 51

# ANSETS Database Form

- Region 2 policy dictates that ANSETS information be provided directly to the Regional RSCC.
- The Region then populates a desktop ANSETS database and then exports the data to SMO for incorporation into the national ANSETS database.
- ANSETS is being incorporated into new tracking database
- ANSETS information will be provided to SMO as an export from the tracking database.
- The database ANSETS form (Exhibit 10) mimics the ANSETS form submitted by analytical service requestors
- Currently, ANSETS data is manually entered into database form.

# Exhibit 8: Database ANSETS Form

System ID:  Region:  Sample Start Date:  Sample End Date:  [New Entry](#)

Project Number:  Account Number:  DAS Number:  CLP Case Number:

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CERCLIS ID:

Site Name:   
City/Town:  State:

Funding Lead:  Action:  PRP Taken?: ☐

Op Unit:  EPA Project Individual:  Project Cost:

Sampling Organization:

Completed by:  Organization:

Date Completed:  Comments:

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**Analytical Services Information**

	Lab Name	City	State	# of Samples	Matrix	Analysis	Method	TAT	Unit Cost
▶	Waste Stream Technology	Buffalo	NY	1	Sediment	Backfill Characteristics		14	\$795.00
	Waste Stream Technology	Buffalo	NY	7	Soil	Total Arsenic	6010B	14	\$15.00
*									\$0.00

Record:  of 131  
Form View

# Future of Database and ARF

- Switch ARF and ANSETS to Access forms to allow for automated upload into tracking database.
- Work with ASB and SMO to explore the feasibility of transfer of information between SMO systems such as SUPRS and STS and the R2 Tracking Database.
- Incorporate labels established by the Data Review Workgroup into the tracking database.
- Update and revise database as necessary to meet changing requirements, needs and goals.

# Benefits

- Centralized point for data collection allowing access to a larger group of people.
- Better tracking of project and data information to meet customer needs.
- Report generation to meet informational needs and requirements for multiple purposes.
- Minimize the need for manual data entry freeing up resources to meet other needs.



Questions ?



# For More Information Contact

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