

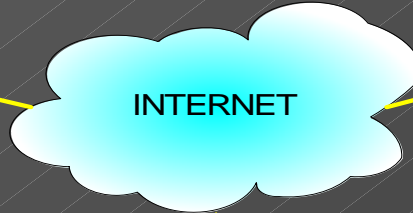
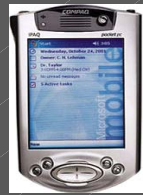
Field Force Automation

Data Management Methodologies and
Systems for Field Data Collection and
Reporting

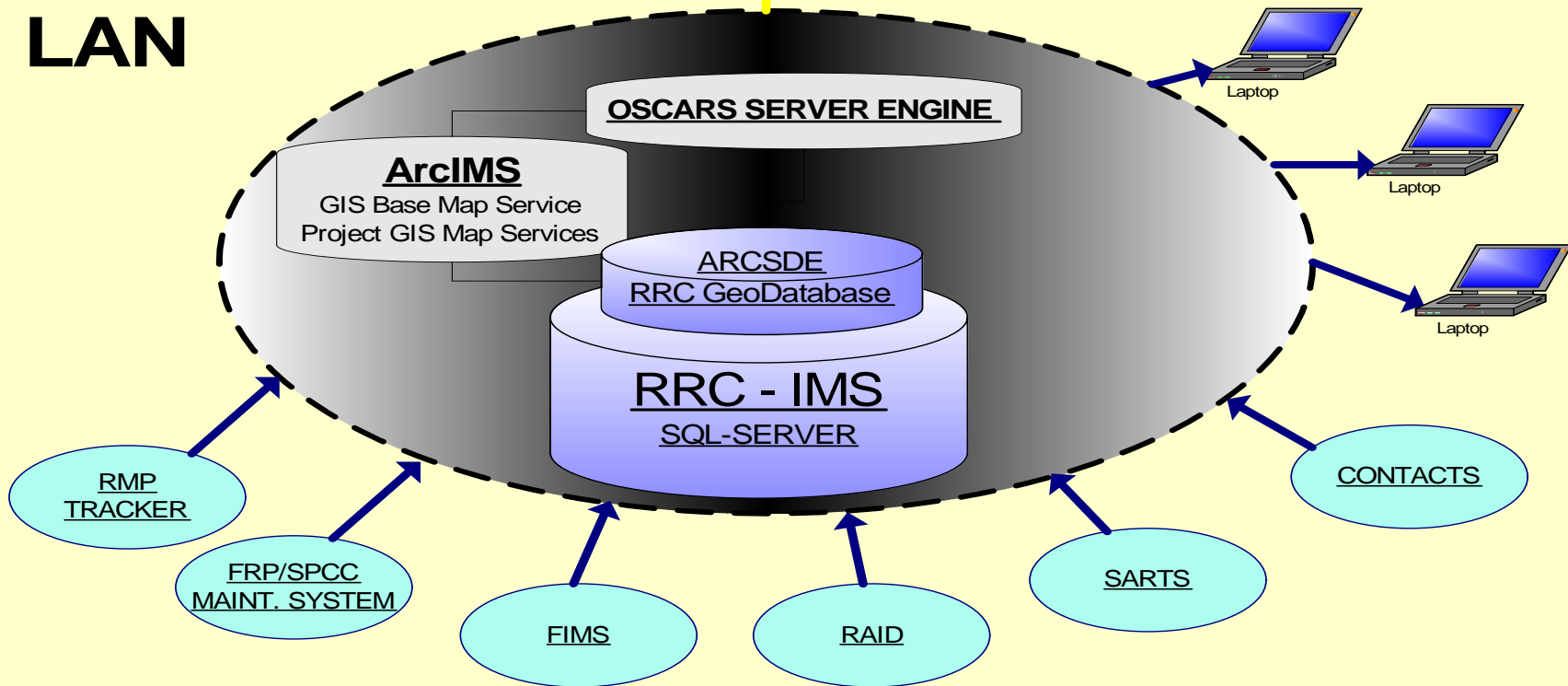
Region 6 Data Management

- Data is key component to all EPA operations.
- Historically, Data was often taken in log books, or in electronic formats that are incompatible or not designed for easy reporting/analysis.
- Goal is to incorporate into routine day to day operations data management standards to insure data quality and availability.
- Methodology for collecting data in a way that EPA/Contractors are able to access/analyze the data near real time (Emergencies, Reports, Day to Day Ops)
- The answer “Regional Response Center Enterprise Data Management System” or RRC EDMS.

Overall RRC-EDMS: Architecture



LAN



Region 6 Web Hub

- Web hub provides one access point for all applications to EPA and START personnel.
- One username and password for access to each application

Web Hub

Websites

- [Contact Management System](#)
- [EPA Exercise Registration](#)
- [FRP SPCC Tracking](#)
- [Lake Oologah](#)
- [EPA WEB HUB](#)
- [OSCARS](#)
- [SARTS](#)
- [Remote Monitoring](#)

Region 6 Site Owner Administration

- Site Owners have ability to administer accounts through easy to use intuitive interface.

General
[Choose Working Site](#)
[Website Information](#)
[Main Menu](#)
[View Map](#)
[Calendar](#)
[Web Hub](#)

Update
[Spill Pathways](#)
[Spills](#)
[Social/Environmental](#)
[Photos](#)
[Site Operators](#)
[Site Info](#)
[Calendar](#)
[Site Activity](#)
[Action Tracking Log](#)

Users
[Manage Users](#)
[Change Password](#)

Utility
[View Logs](#)
[Add Site](#)

View
[Spill Sources](#)
[Spill Pathways](#)
[...](#)

Edit User

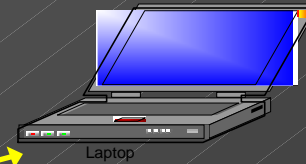
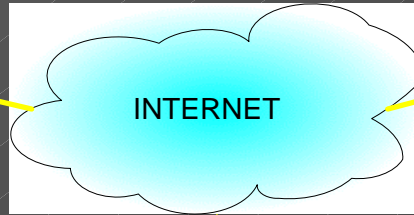
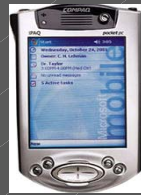
User Info

UserName:	bradmorgan
Agency:	WESTON
Email:	morganb@mail.rweston.com
Enabled:	Yes
Counties:	User has access to 503 counties. Change County Permissions
Password:	Reset Password

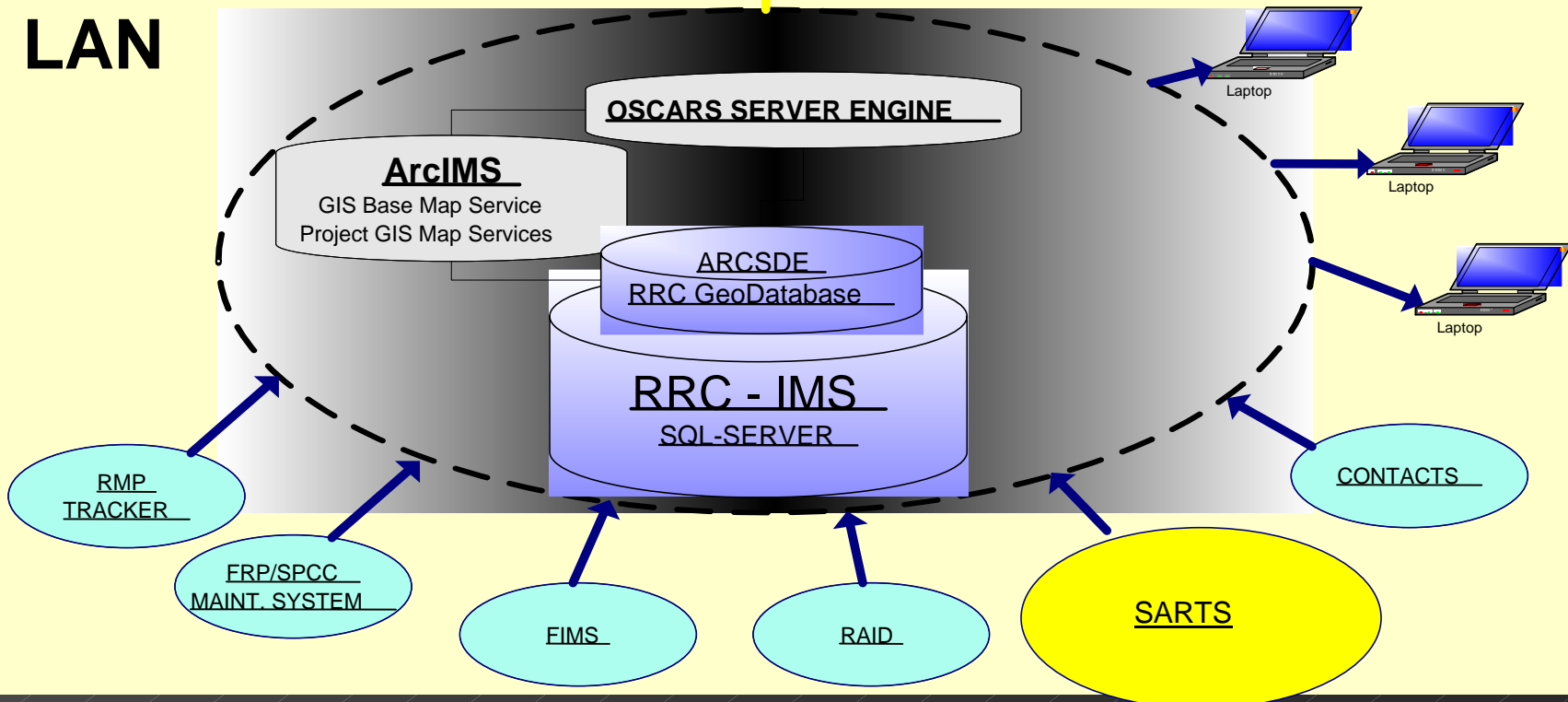
User Permissions

Operation	Allowed
General - Calendar	<input checked="" type="checkbox"/>
General - Choose Working Site	<input checked="" type="checkbox"/>
General - Main Menu	<input checked="" type="checkbox"/>
General - View Map	<input checked="" type="checkbox"/>
General - Web Hub	<input checked="" type="checkbox"/>
General - Website Information	<input checked="" type="checkbox"/>
Update - Action Tracking Log	<input checked="" type="checkbox"/>
Update - Calendar	<input checked="" type="checkbox"/>
Update - Photos	<input checked="" type="checkbox"/>
Update - Site Activity	<input checked="" type="checkbox"/>

SARTS



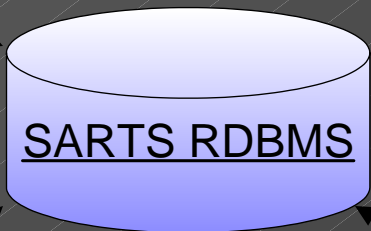
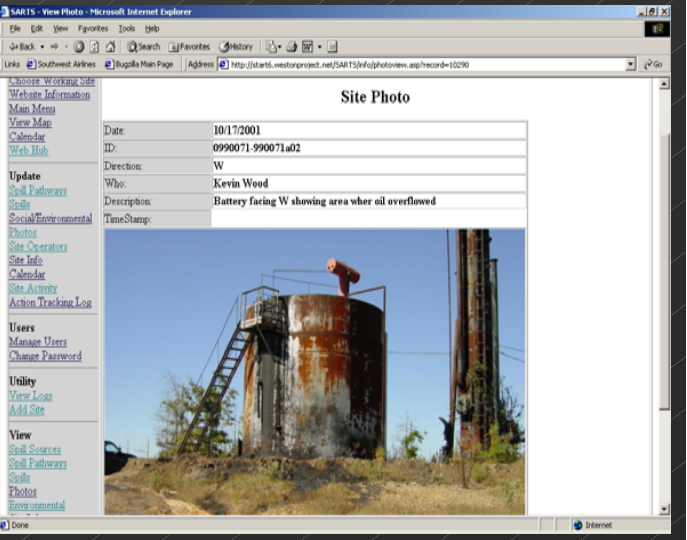
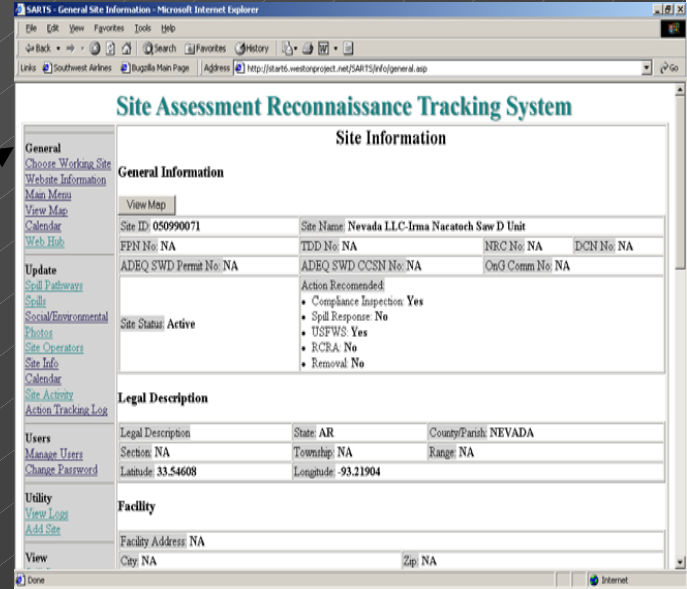
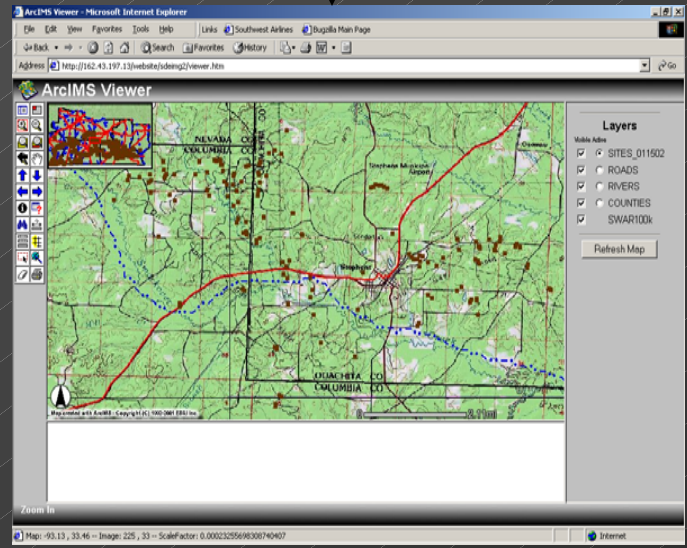
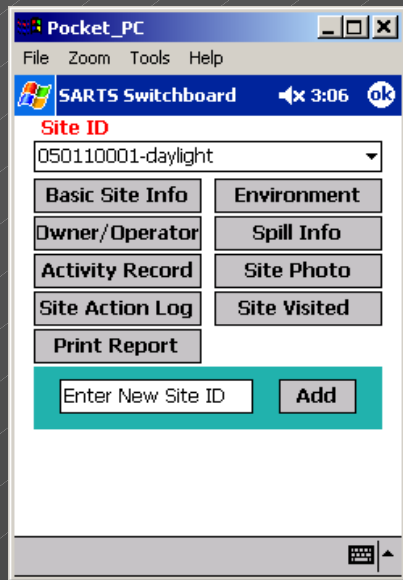
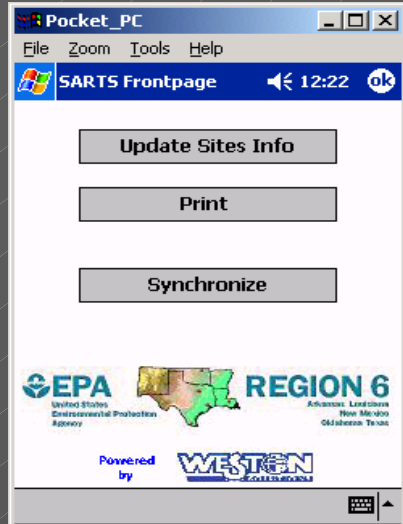
LAN



SARTS – OPA Recon Application

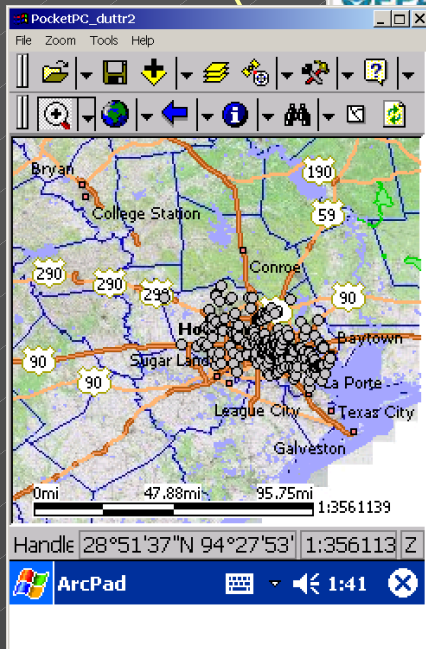
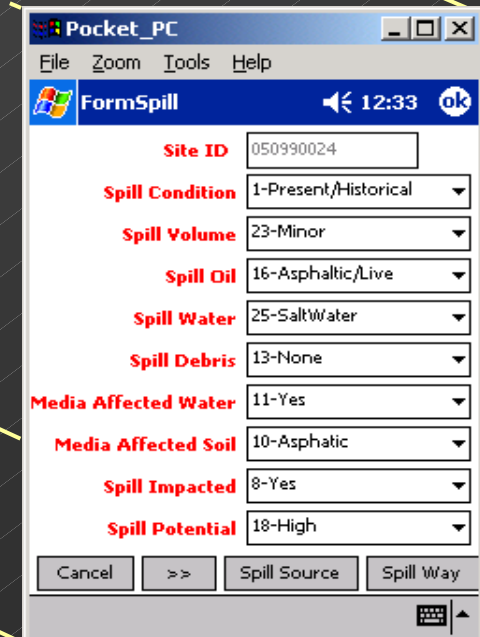
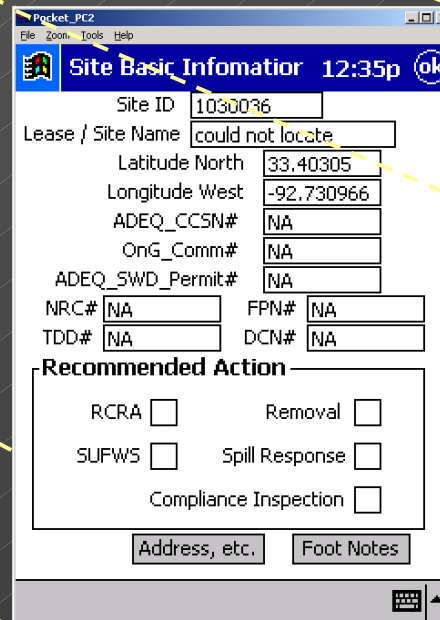
Mobile Applications

Secure Web Applications



SARTS – PDA Application

Mobile Data Collection Applications



Mobile GIS

SARTS – Secure Web Site

SARTS - General Site Information - Microsoft Internet Explorer

Site Assessment Reconnaissance Tracking System

General Information

View Map

Site ID: 050990071	Site Name: Nevada LLC Irma Nacatoch Saw D Unit		
FFN No: NA	TDD No: NA	NRC No: NA	DCN No: NA
ADEQ SWD Permit No: NA	ADEQ SWD CCSSN No: NA	OnG Comm No: NA	

Site Status: Active

Legal Description

Legal Description	State: AR	County/Parish: NEVADA
Section: NA	Township: NA	Range: NA
Latitude: 33.54608	Longitude: 93.21904	

Facility

Facility Address: NA

City: NA Zip: NA

SARTS - Calendar - Microsoft Internet Explorer

Site Assessment Reconnaissance Tracking System

Jump to Month: Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb

August 2002


Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12 08:00 AM • Site Goode A • Event Info	13 08:00 AM • Site Saxon • Event Info	14 08:00 AM • Site Gregory 4,5,6 • Event Info	15 08:00 AM • Final SPOC recon on sites 051390545, 547, 546 & 142 D. Sharp • Event Info	16 09:00 AM • Site Irma Nacatoch Sand Unit • Event Info	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Jump to Month: Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb

SARTS - View Photo - Microsoft Internet Explorer

Site Photo

Date:	10/17/2001
ID:	0990071-990071a02
Direction:	W
Who:	Kevin Wood
Description:	Battery facing W showing area where oil overflowed
TimeStamp:	



SARTS - Update User - Microsoft Internet Explorer

Edit User

User Info

UserName: bradmorgan

Agency: WESTON

Email: morgben@mail.rweston.com

Enabled: Yes

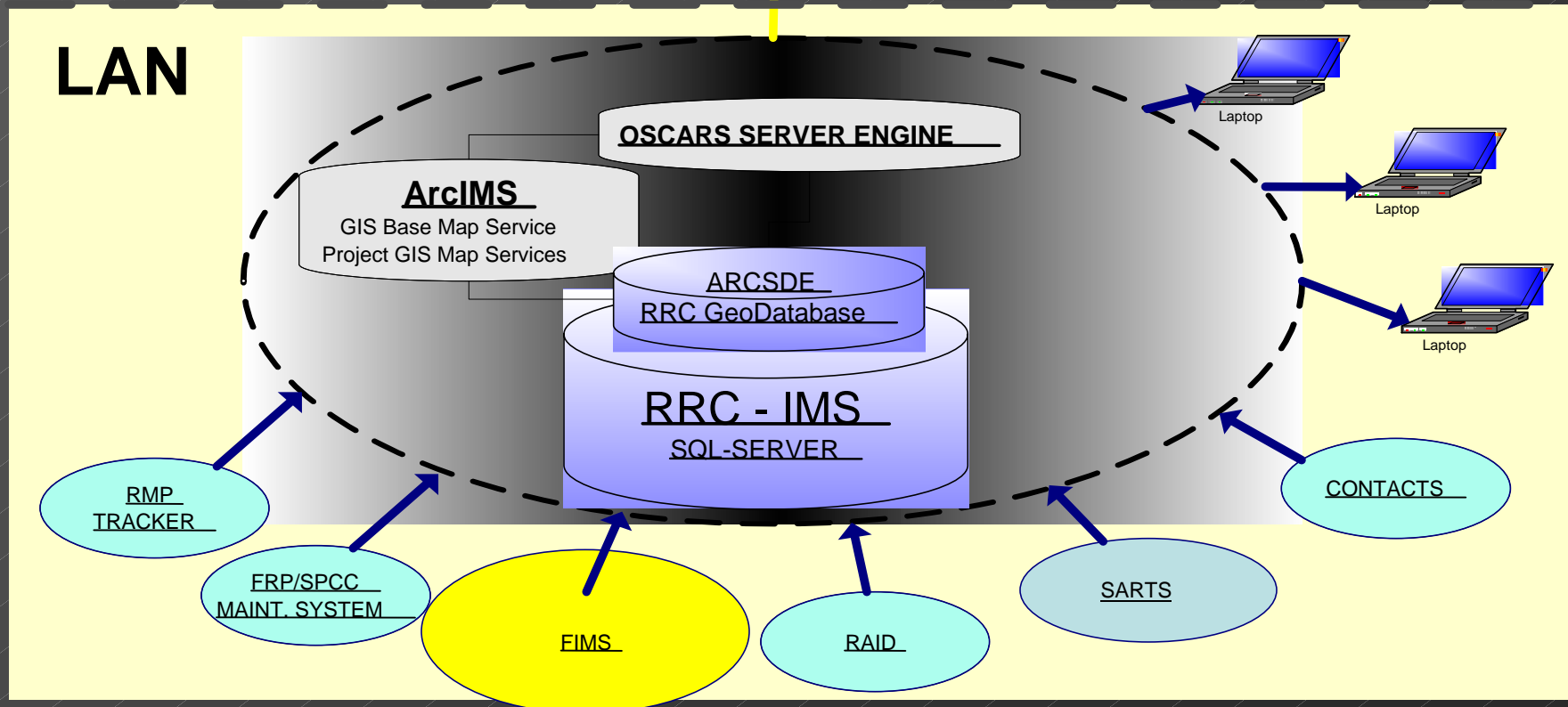
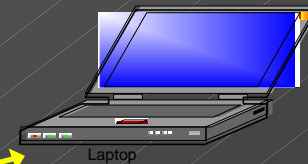
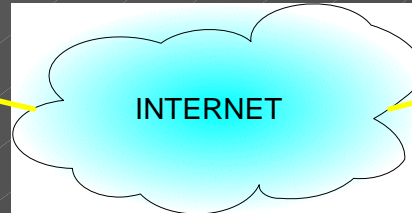
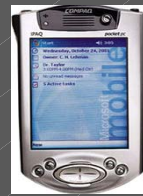
Counties: User has access to 503 counties.

Reset Password

User Permissions

Operation	Allowed
General - Calendar	<input checked="" type="checkbox"/>
General - Choose Working Site	<input checked="" type="checkbox"/>
General - Main Menu	<input checked="" type="checkbox"/>
General - View Map	<input checked="" type="checkbox"/>
General - Web Hub	<input checked="" type="checkbox"/>
General - Website Information	<input checked="" type="checkbox"/>
Update - Action Tracking Log	<input checked="" type="checkbox"/>
Update - Calendar	<input checked="" type="checkbox"/>
Update - Photos	<input checked="" type="checkbox"/>
Update - Site Activity	<input checked="" type="checkbox"/>

Facility Information Management System - FIMS



EPA/OSC Personalized Secure Web Interface

The screenshot displays the EPA/OSC Personalized Secure Web Interface. The page title is "Facility Response Plan Maintenance Dashboard". The user is logged in as Cory Robertson, and the date is 7/22/2002. The interface is divided into several sections:

- Left Navigation Menu:** Log Out, Staging Area, FRPs: New, Modify, Facilities: Browse, Modify, Utilities: Manage Users, Recent Actions, Document Library, Help.
- Welcome, Cory Robertson!** (7/22/2002)
- Facility Response Plans:** A table showing the number of plans for different categories:

Category	Count
Production Site	6
FRPs on the site:	6
Staging Area	0
Plans in review:	0
Need to be published:	0
Need to be modified:	0
- Your Notes:** A text area containing the note: "This is a scratch-pad that you can use to leave yourself reminders". An "Update..." button is located below the text area.

At the bottom of the page, there are navigation links for Facilities (Browse, Modify), FRPs (New, Modify), Utilities (Manage Users, Recent Actions, Document Library), and General (Home, Log Out, Staging Area, Help). A legal notice section is also present, stating: "Legal Notice: This is where the legal disclaimers need to go."

FRP - Integrated User Management

EPA Facility Response Plan Maintenance Dashboard [Home](#)

Welcome, Cory Robertson! 7/22/2002

Facility Response Plans:

Production Site	#
FRPs on the site:	6
Staging Area	#
Plans in review:	0
Need to be published:	0
Need to be modified:	0

Your Notes:

This is a scratch-pad that you can use to leave yourself reminders

Manage/Add Users

EPA Facility Response Plan Maintenance Dashboard [Home](#)

Facilities: [Browse](#) | [Modify](#)

FRPs: [New](#) | [Modify](#)

Utilities: [Manage Users](#) | [Recent Actions](#) | [Document Library](#)

General: [Home](#) | [Log Out](#) | [Staging Area](#) | [Help](#)

Legal Notice: This is where the legal disclaimers need to go.

Manage Users

Add A User:

User Type:
 Regulator
 Facility ([choose facility...](#))

Name:

Email:

UserName:

Password:
(please re-enter your password)

Password:

Modify A User:

Name:

Email:

UserName:

Password:
(please re-enter your password)

Password:

User List(click to modify):

Name	Username	Role	Email
Joe Facility	joefacility@abc.com	1	joefacility@abc.com
klj	lkjhlkjh	1	lkjhlkjh
Curtis Vaughn	cvaughn@usa.net	1	cvaughn@usa.net
Don Smith	don.smith@epa.gov	1	don.smith@epa.gov
Joe Tester	joe@abc.com	1	joe@abc.com
John Q. Facility	John@abc.com	1	John@abc.com
Cory Robertson	robertsc	4	cory.robertson@westonsolutions.com

|< << >> >| 1 / 1

Facilities: [Browse](#) | [Modify](#)

FRPs: [New](#) | [Modify](#)

Utilities: [Manage Users](#) | [Recent Actions](#) | [Document Library](#)

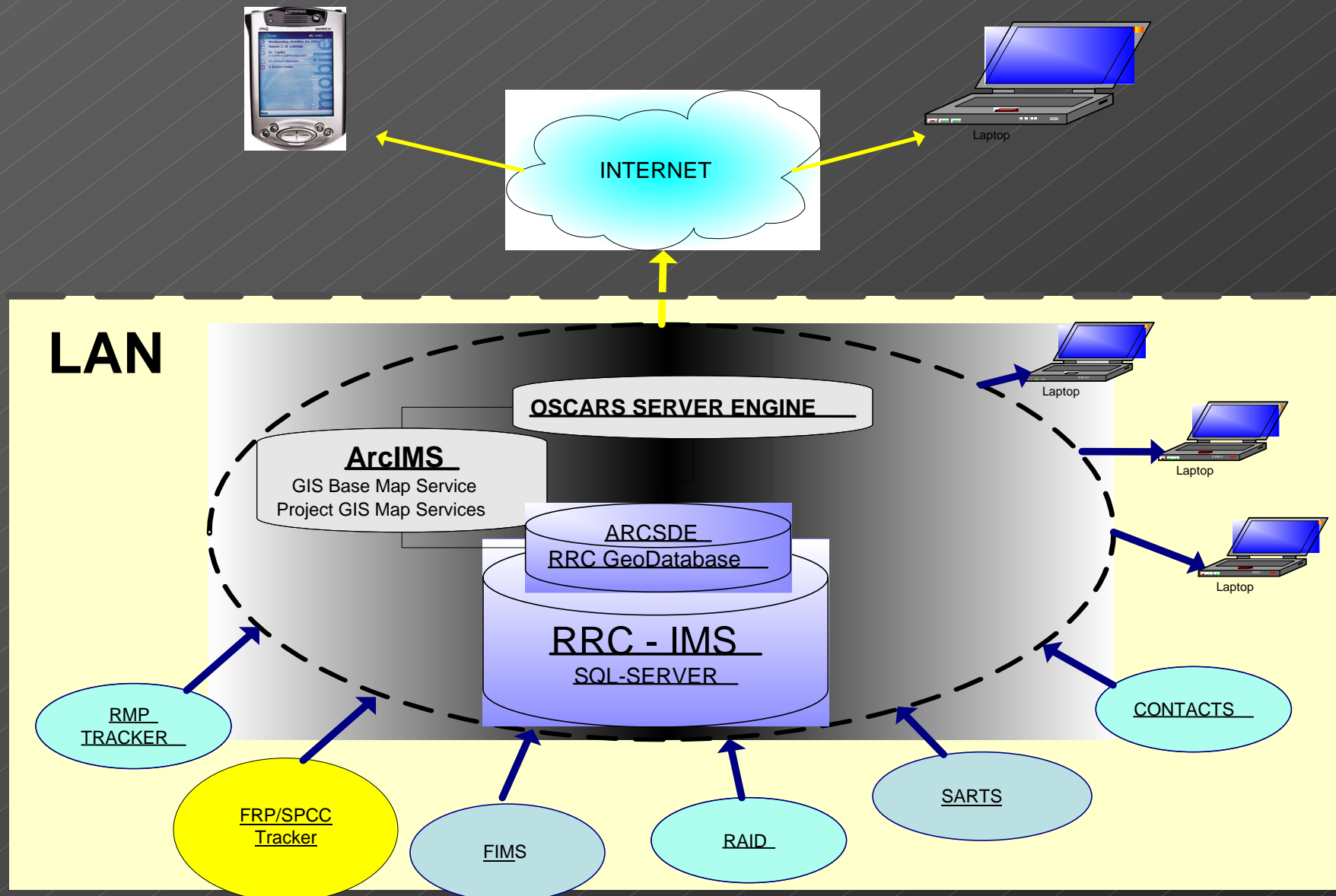
General: [Home](#) | [Log Out](#) | [Staging Area](#) | [Help](#)

FRP – Uploaded Plan

- FRP's are one Click away
- FRP's can be Bit Served so User only downloads section of interest
- Immediate Access to ERAP, Facility Diagrams, and other important Data.

The screenshot displays the Adobe Acrobat interface with the document 'OSRP.pdf' open. The left sidebar shows a detailed table of contents with 'ERAP' highlighted under 'Section 1'. The main content area shows 'Division #1' of the 'ExxonMobil' plan, featuring an aerial map of the Neches River area. The map includes a legend with symbols for Booms, Response Sites, and Impact levels (High, Moderate, Low). Key locations marked on the map include Trinity Industries, Riverfront Park, and Port of Beaumont. Three containment booms are shown: Boom #1 (approx. 300' of Boom), Boom #1 (approx. 700' of Boom), and Boom #2 (approx. 1200' of Boom). The map is titled 'Aerial #1' and is attributed to Morris Environmental, Inc. The bottom status bar indicates the document is page 29 of 269, with a page size of 8.5 x 11 in.

FRP/SPCC Tracking System



FRP/SPCC Inspection Tracking System

Facility Inspection 3:38

- A & A TANK TRUCK SERVICE
- A.J. WARD ETAL SWD #1
- A.R. CARTER NO. 2A
- ABEL AND ABEL "A"
- ABILENE AG SERVICE AND SUPPLY, INC.**
- ABILENE LUMBER, DOOR, TRUSS AND PICK
- ABILENE TERMINAL
- ADVANTAGE DFW AIRPORT
- AE ROBERTSON SPECIALITY CO.
- ALAMO CONCRETE PRODUCTS
- ALAMO DFW AIRPORT
- ALBUQUERQUE CAISSON, INC.
- ALBUQUERQUE SOUTH VALLEY FACILITY
- ALCON LABOROTIES, INC.
- ALDERMAN #1
- ALFORD OIL CO. BULK STORAGE

Open Inspection

Inspection

SPCC FRP Facility 3:38

SPCC Case No. _____

FRP Case No. _____

Company ID _____ Review

Facility ID 10 Review

Inspector Name _____

Inspection Date _____

Synopsis of _____

Number of _____

Inspection View

SPCC General Information 3:41

Applicable Storage Containers

- Above Ground Storage Tank
- Under Ground Storage Tank
- Drums
- In-plant Piping
- Mobile Storage Tank
- Surface Impoundments
- Lagoons
- Equipment

Other Containers

Storage Function

- Transferring
- Distributing

Inspection View

SPCC - Bulk Storage Information 3:41

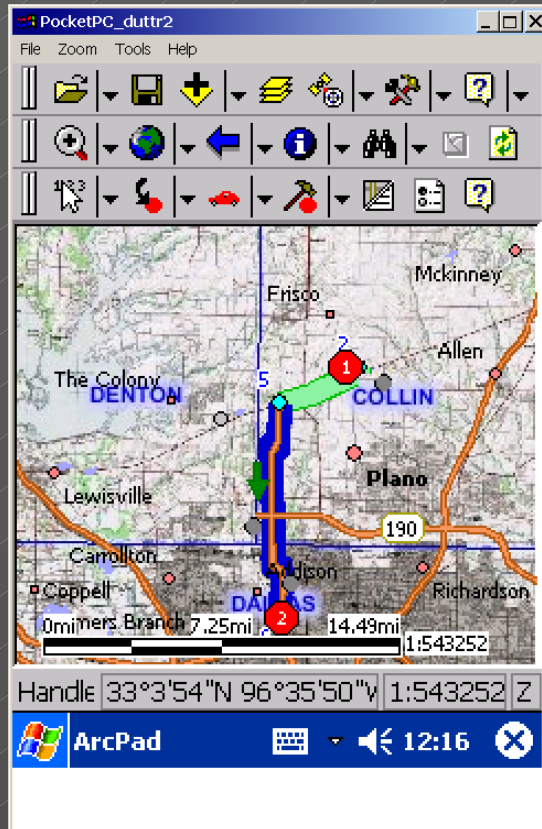
Check all applicable descriptions

- Refinery/Petrochemical
- Petroleum Distributor
- Trucking/Transport
- Contractor
- Railroad
- Farm
- Trustee/Native American
- Commercial/Private
- Gas Station/Convenience
- Auto Dealership
- Consumer
- Utilities

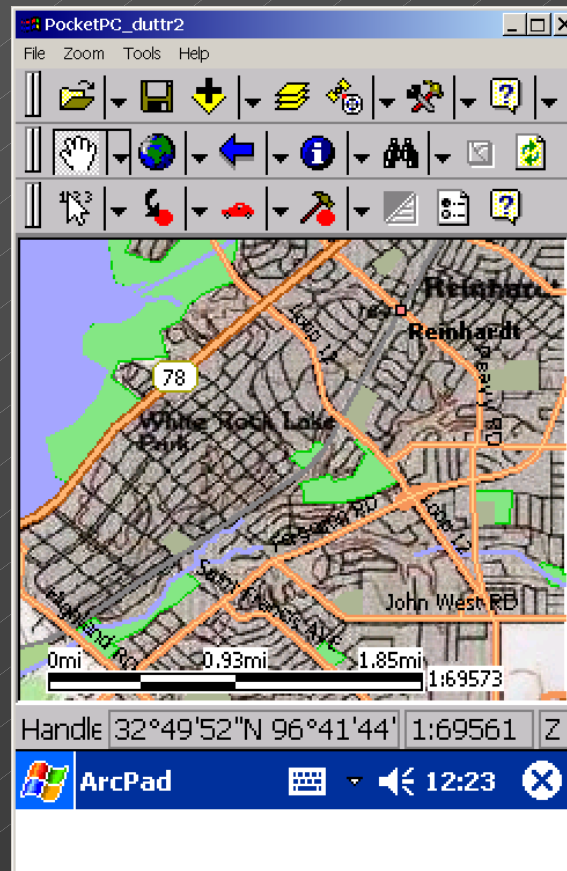
Inspection View

GIS PDA Applications

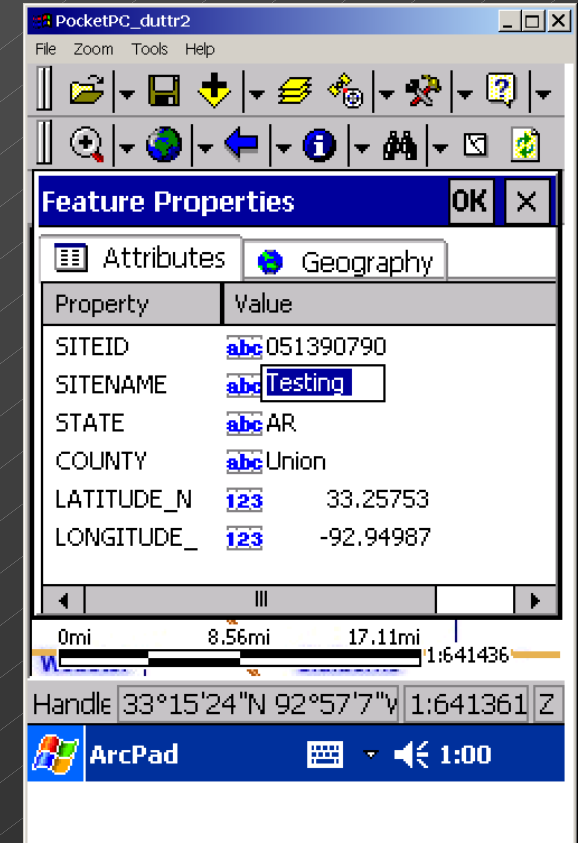
ArcPAD PDA GIS Routing Capability



ArcPAD PDA Streets with Topographic Data

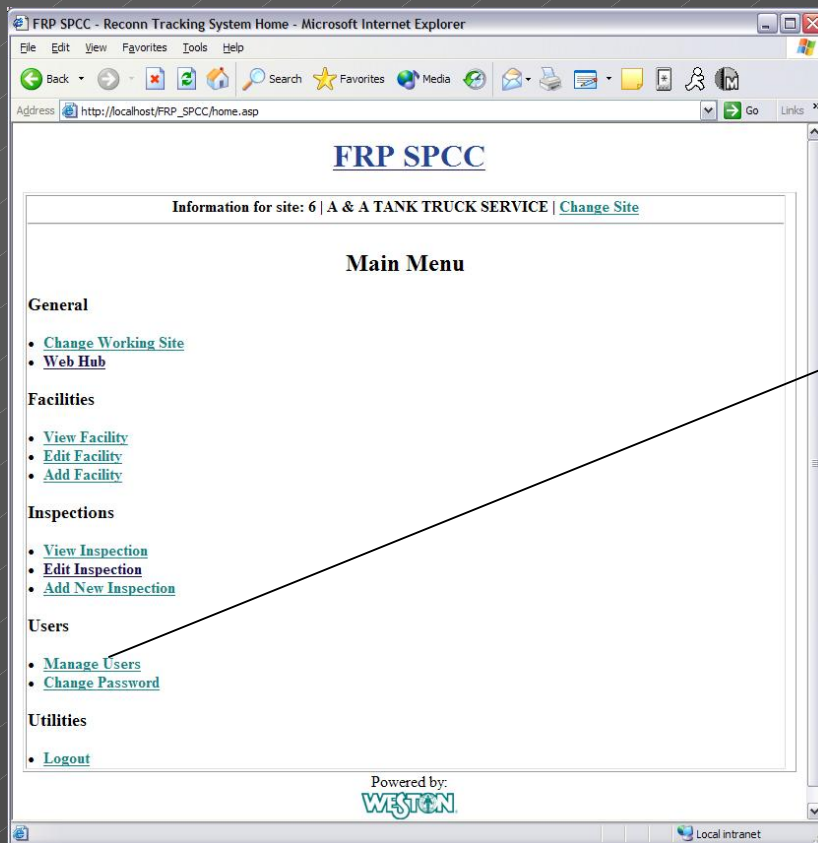


Disconnected Editing of GIS Layers

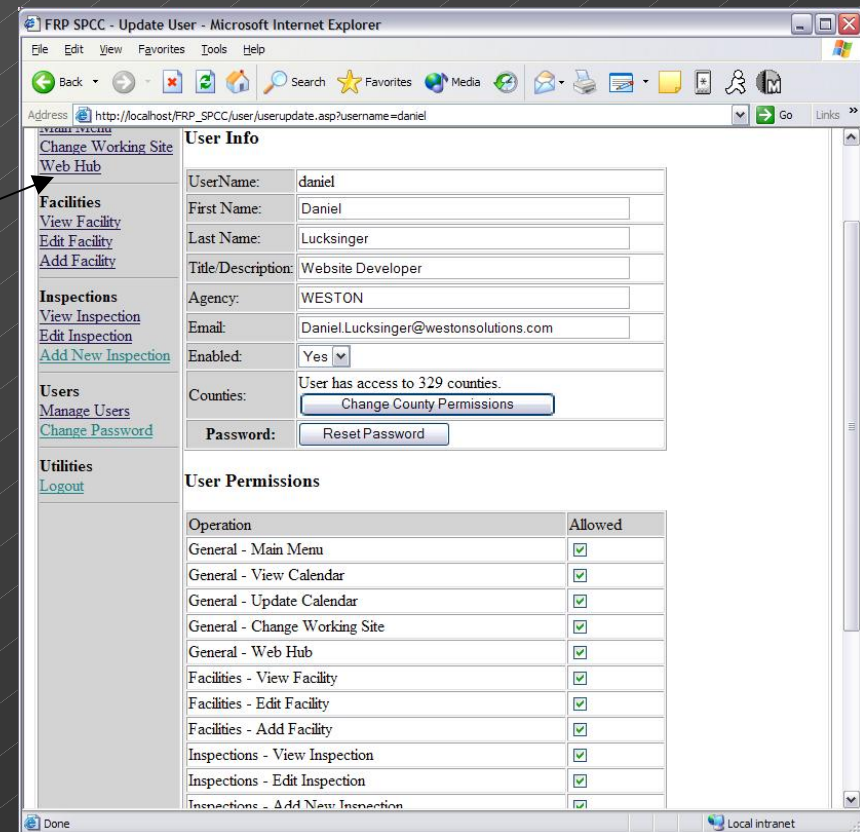


FRP/SPCC Inspection Tracking System (cont.)

Role-Based Menu Options



Online User Management



FRP/SPCC Inspection Tracking System

- Inspection checklist matches FIMS Review Checklist and PDA Application
- Reviewers can click a section and in automatically will take them to that portion of FRP.

The screenshot shows a web browser window titled "FRP SPCC - INSPECTIONS AND RECORDS 112.7(e) - Microsoft Internet Explorer". The address bar shows the URL: http://localhost/FRP_SPCC/update/inspectionupdate_questions.asp?record=1&question_topic=6. The page content includes a navigation menu on the left with sections: General (Main Menu, Change Working Site, Web Hub), Facilities (View Facility, Edit Facility, Add Facility), Inspections (View Inspection, Edit Inspection, Add New Inspection), Users (Manage Users, Change Password), and Utilities (Logout). The main content area is titled "INSPECTIONS AND RECORDS 112.7(e)" and includes a "Form Navigation" section with buttons for "Edit Main Info" and "Edit SPCC Info", and a "Questions" dropdown menu set to "Select a Category of Questions". Below this is a table with three columns: "INSPECTIONS AND RECORDS 112.7(e)", "Adequately Addressed in Plan", and "Adequately Addressed in Field". The table contains four rows of inspection questions with corresponding dropdown menus for answers. At the bottom of the form is a "General Notes / Comments" text area and a "Save" button. The footer of the page includes the text "Powered by: WESTON" and "Local intranet".

Information for site: 6 | A & A TANK TRUCK SERVICE | [Change Site](#)

INSPECTIONS AND RECORDS 112.7(e)

Form Navigation

[Edit Main Info](#) [Edit SPCC Info](#)

Answer

Questions: Select a Category of Questions

INSPECTIONS AND RECORDS 112.7(e)	Adequately Addressed in Plan	Adequately Addressed in Field
Are inspections required by 40 CFR 112 conducted in accordance with written procedures developed for the facility?	Unknown	Unknown
Are written procedures, records of inspections and/or customary business records: - Signed by the appropriate supervisor or inspector?	Unknown	N/A
Are written procedures, records of inspections and/or customary business records: - Made part of the SPCC Plan?	Yes	Unknown
Are written procedures, records of inspections and/or customary business records: - Maintained for a period of three (3) years?	Unknown	Unknown

General Notes / Comments:

Powered by: **WESTON**

Local intranet

INSPECTION MENU

[View Inspections](#)
[Add New Inspection](#)

CONTAINER MENU

[Add New Container](#)
[Edit/View Container](#)

**and Plan Review
Bulk Storage Facilities**

[Print Friendly](#)

Inspections Info

Inspection:
 SPCC Case #: FRP ID #:
 SPCC Inspection Date: FRP Inspection Date:

Inspection Team:
 SPCC Inspector Name: FRP Inspector Name:
 Team Members: Team Members:
 SPCC plan review by: FRP plan review by:
 Date of review: Date of review:

Facility Info

Select A Facility

Facility:
 Name of Facility: EXXON CO USA 53562 DOWDEN SPRING LAKE
 Latitude: Longitude: Source:
 Address/Location: 8321 LINE AVE
 City: SHREVEPORT County/Parish: CADDO State: LA Zip: 71106
 Facility Contact: Title:
 Telephone Number: Email:

Facility Owner:
 Name of Owner/Operator:
 Corporate Address:
 City: State: Zip:
 Corporate Contact: Title:
 Telephone Number: Email:

General Info:
 Synopsis of Business:
 How many NAICS #

FRP SPCC Inspections

[Home](#)

INSPECTION MENU

[View Inspections](#)
[Add New Inspection](#)

**Acknowledgement and Record of SPCC Inspection
and Plan Review
Bulk Storage Facilities**

[Print Friendly](#)

CONTAINER MENU

[Add New Container](#)
[Edit/View Container](#)

- [GENERAL REQUIREMENTS FOR SPCC PLANS 112.7 \(a-d\)](#)
- [INSPECTIONS, TESTS AND RECORDS 112.7 \(e\)](#)
- [PERSONNEL TRAINING AND DISCHARGE PREVENTION PROCEDURES 112.7 \(f\)](#)
- [SECURITY \(excluding oil production facilities\) 112.7\(g\)](#)
- [FACILITY TANK CAR AND TANK TRUCK LOADING/UNLOADING RACK \(excluding offshore facilities\) 112.7 \(h-j\)](#)
- [FACILITY DRAINAGE 112.8 \(b\)](#)
- [BULK STORAGE CONTAINERS 112.8 \(c\)](#)
- [FACILITY TRANSFER OPERATIONS, PUMPING, AND FACILITY PROCESS 112.8 \(d\)](#)
- [SUBSTANTIAL HARM CERTIFICATION 112.20 \(e\)](#)

[Home](#)

INSPECTION MENU

[View Inspections](#)
[Add New Inspection](#)

CONTAINER MENU

[Add New Container](#)
[Edit/View Container](#)

**Acknowledgement and Record of SPCC Inspection
and Plan Review
Bulk Storage Facilities**

[Print Friendly](#)

Memorandum Of Understanding

Non-Transportation Related
 EPA

Transportation Related
 USCG MMS OPS

Facility Type

Onshore Oil
 Production Drilling/workover

Offshore Oil
 Drilling, Production & Workover

Bulk Storage

Refinery/Petrochemical Commercial/Private Public
 Petroleum Distributor Gas School/University Military
 Trucking/Transport Station/Convenience Hospital Federal
 Contractor Auto Dealership Government State
 Railroad Consumer Federal Other:
 Farm Utilities State
 Trustee/Native/American Aviation Local

Applicable Storage Containers

Aboveground Storage Tanks Underground Storage Tanks Drums In-plant
 Mobile/Portable Storage Units Suface Impoundments Lagoons Piping Equipment
 Other Container

Storage Functions

Transferring Distributing Processing Gathering Consuming/Using Operations

[Home](#)

INSPECTION MENU

[View Inspections](#)
[Add New Inspection](#)

CONTAINER MENU

[Add New Container](#)
[Edit/View Container](#)

**Acknowledgement and Record of SPCC Inspection
and Plan Review
Bulk Storage Facilities**

[Print Friendly](#)

Plan
 Facility Startup Date:

New Facility (after Aug. 16, 2002) 112.3 (a)
 Is an SPCC Plan prepared? Yes No
 Is an SPCC Plan available for review? (During normal working hours) 112.3(e)(2) Yes No
 Is an SPCC Plan maintained on site? Yes No
 (For at least 4 hours/day, but, excluding oil production facilities) 112.3(e)(1)
 If this is a new facility, was the plan prepared prior to start-up? 112.3(b) Yes No
 Is the SPCC Plan PE certified? 112.3(d) Yes No Date of Certification:

Name of Professional Engineer:

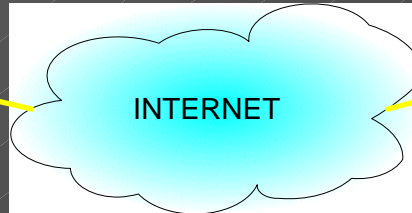
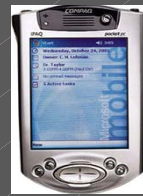
License Number: State:

Is the SPCC Plan reviewed every five years and is there an SPCC Plan review sign-off sheet? 112.5(b)
 Yes No
 Does the SPCC Plan indicate that management has approved the plan? 112.7
 Yes No
 Mgmt Personnel Name: Mgmt Personnel Title:

Have there been reportable spills at this Facility of more than 1,000 gallons? 112.4(a)
 Yes No
 Or, has the facility had two spills of more than 42 gallons in the past 12 months? 112.4(a)
 Yes No
 If YES to either, provide
 Date of spill: Was plan submitted per 40 CFR 112.4? Yes No
 Date of spill: Was plan submitted per 40 CFR 112.4? Yes No

Has there been any change of facility design, construction, operation or maintenance, which could affect the facility's potential for discharge? 112.5(c) Yes No If YES, use the

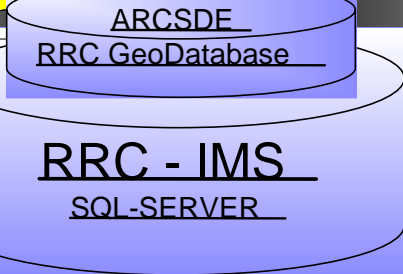
GIS Interface



LAN

ArcIMS
GIS Base Map Service
Project GIS Map Services

OSCARS SERVER ENGINE



RMP TRACKER

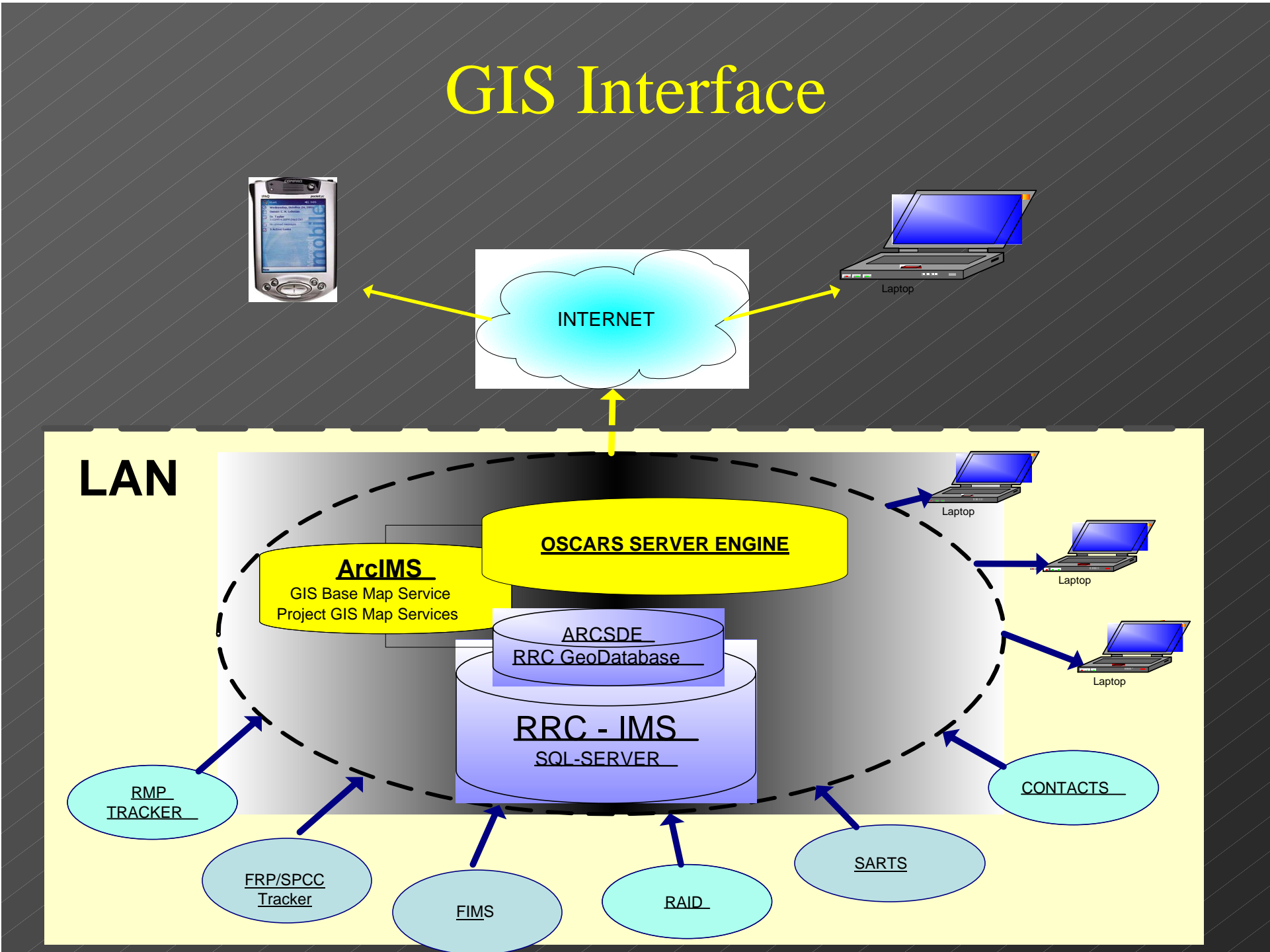
FRP/SPCC Tracker

FIMS

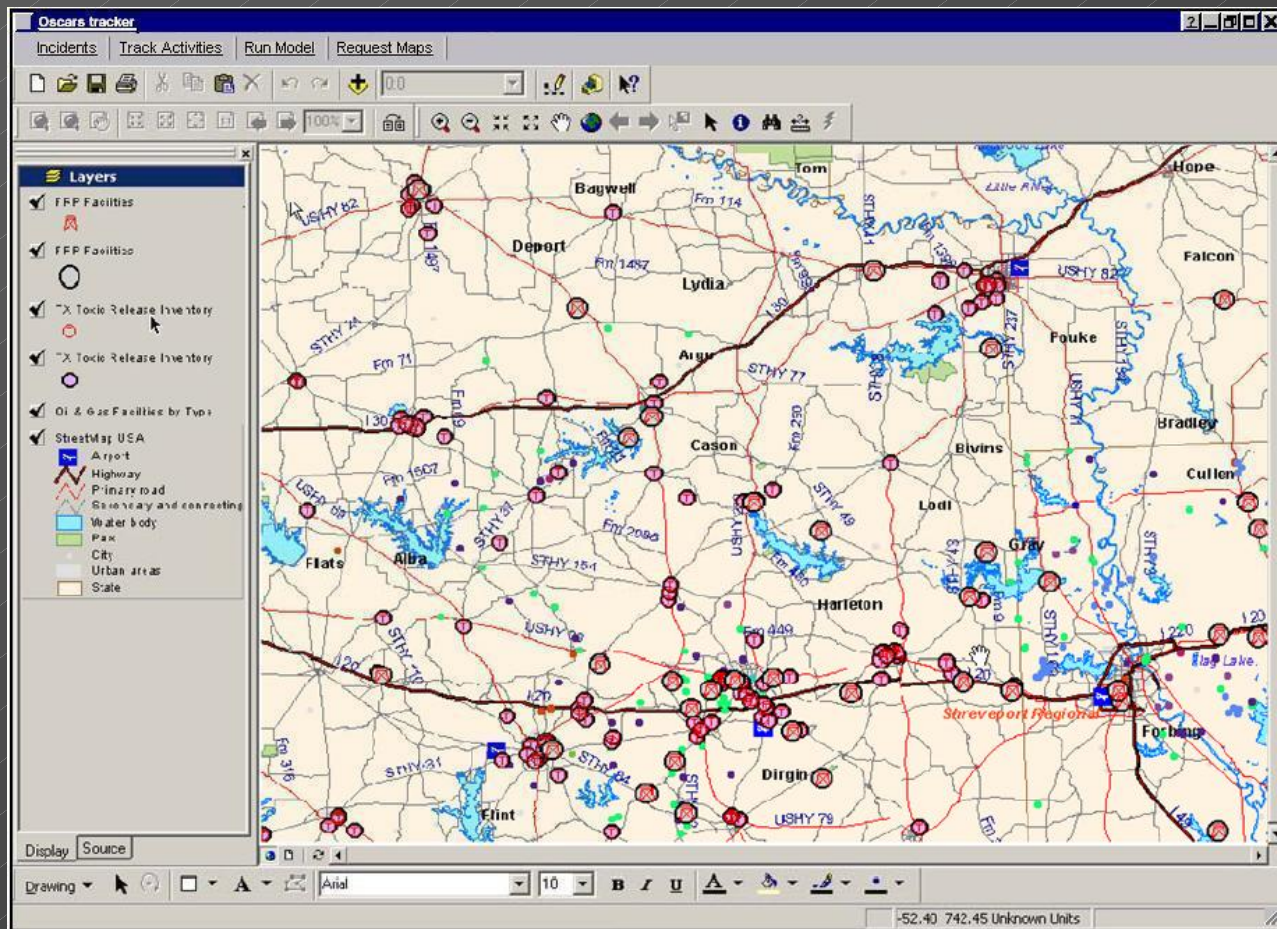
RAID

SARTS

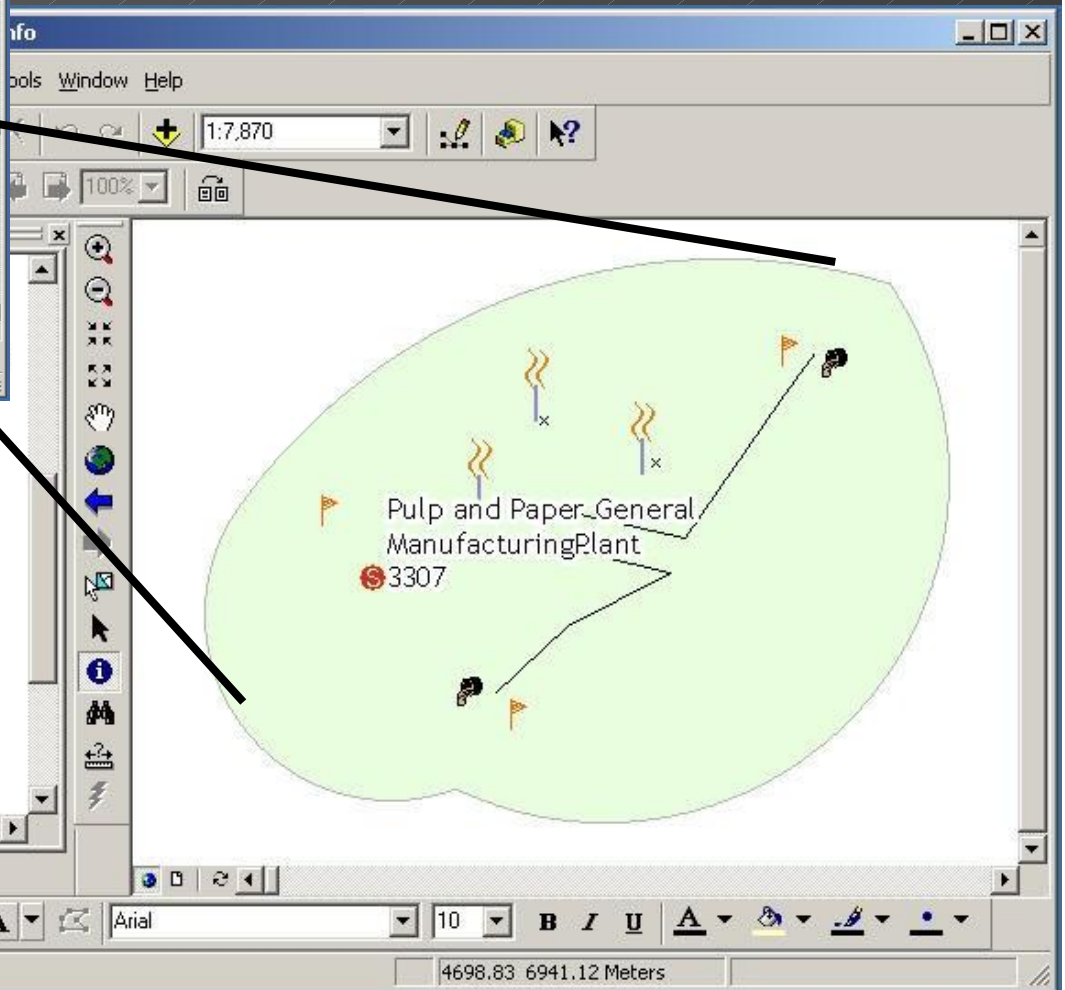
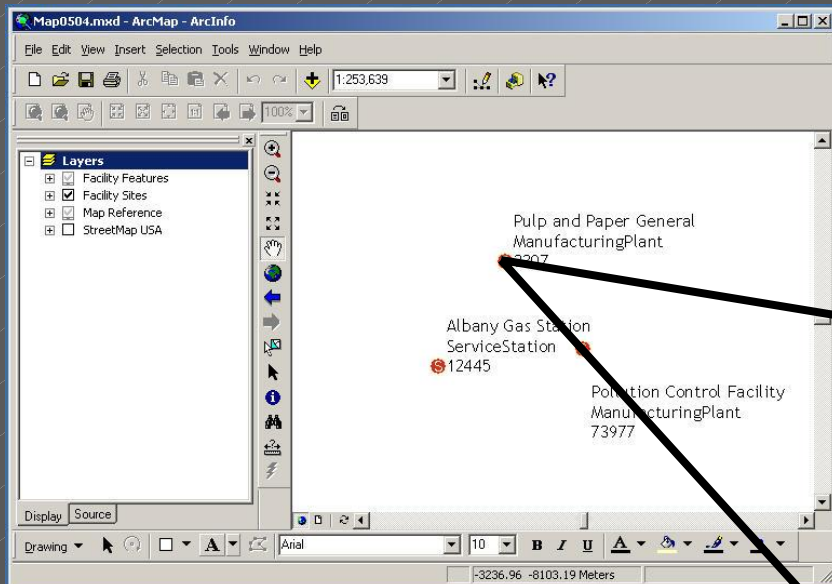
CONTACTS



OSCARS GIS Interface - Tracker

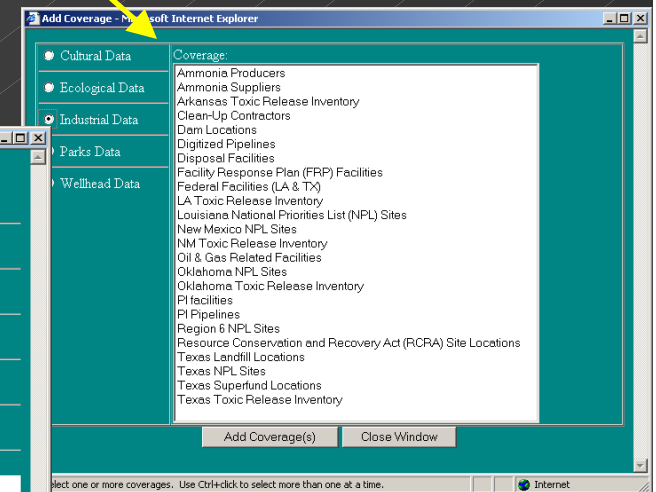
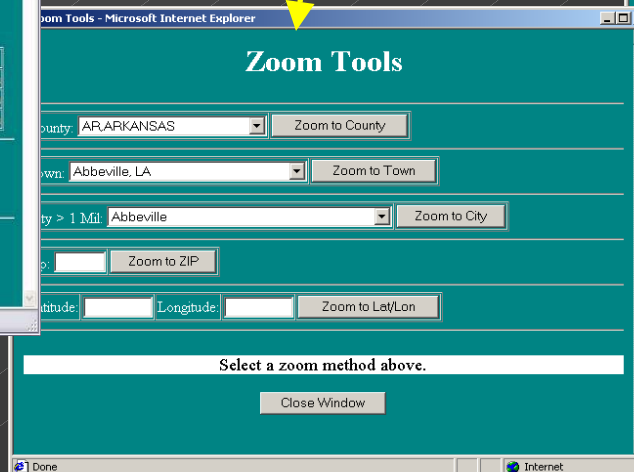
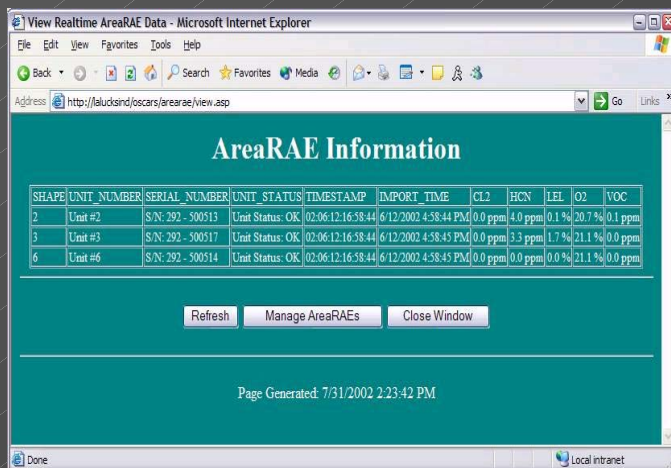
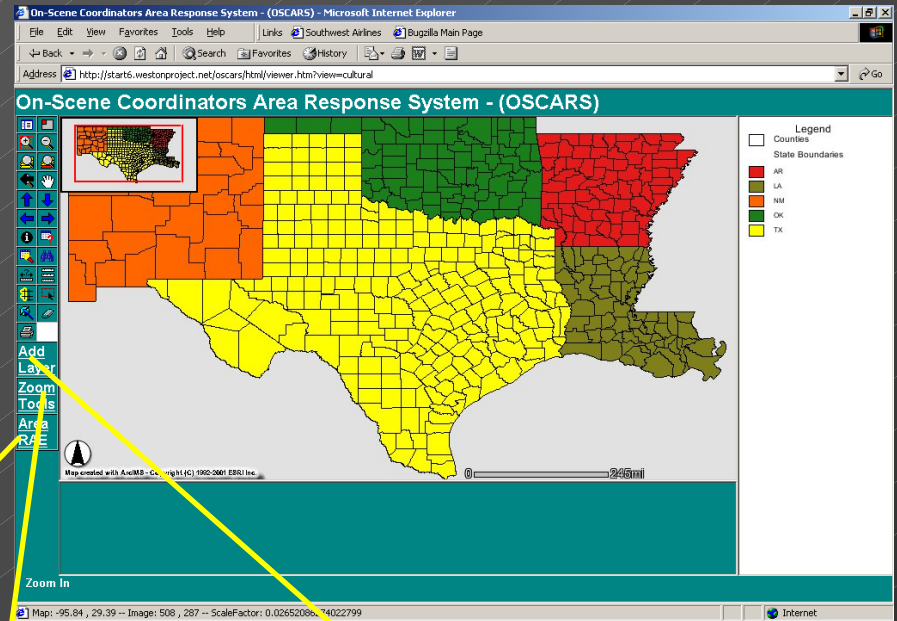
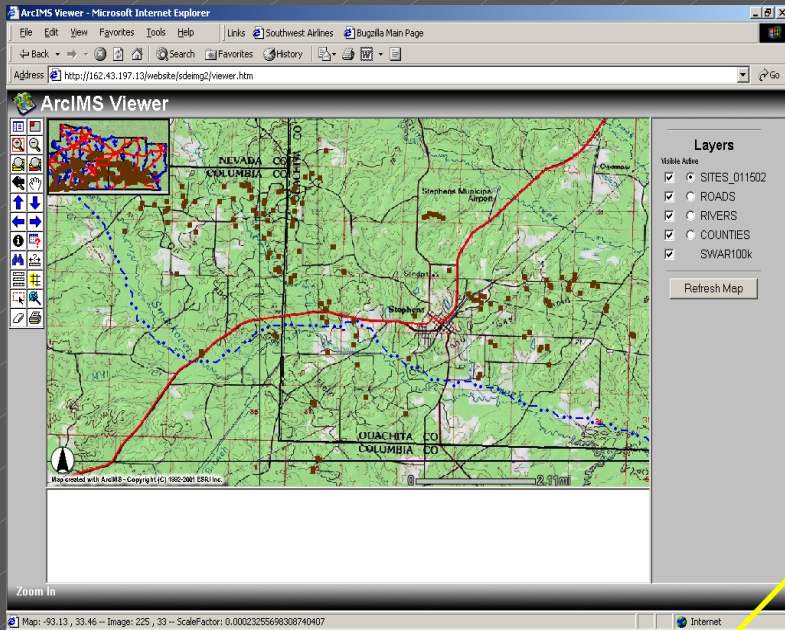


OSCARS GIS Interface

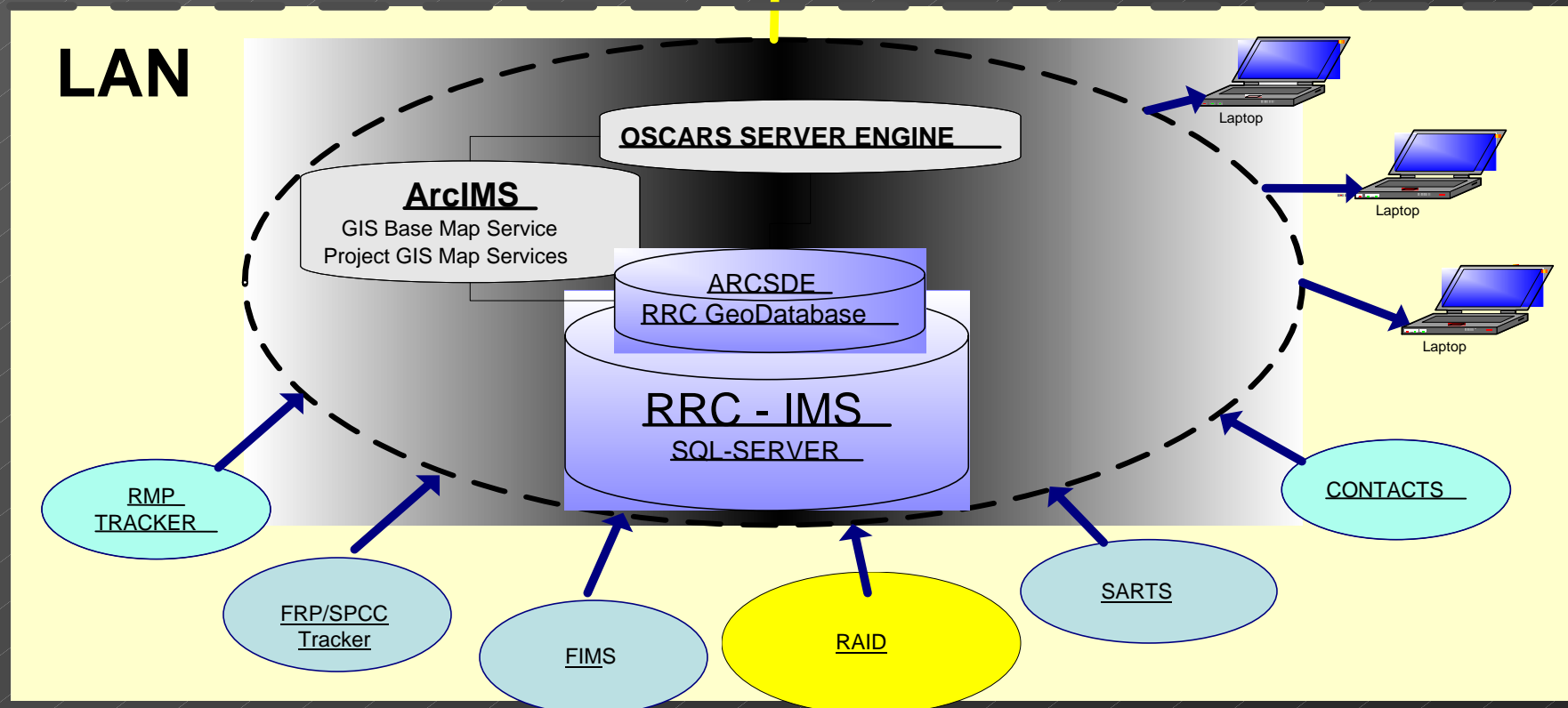
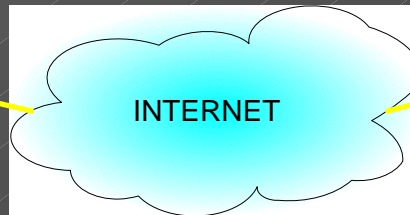
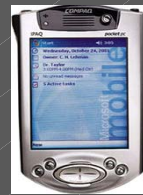


- Geo-Spatial Data collected during Site Inspections of Facilities with FRP/SPCC Tracker Application.

OSCARS – Interactive Mapping Site



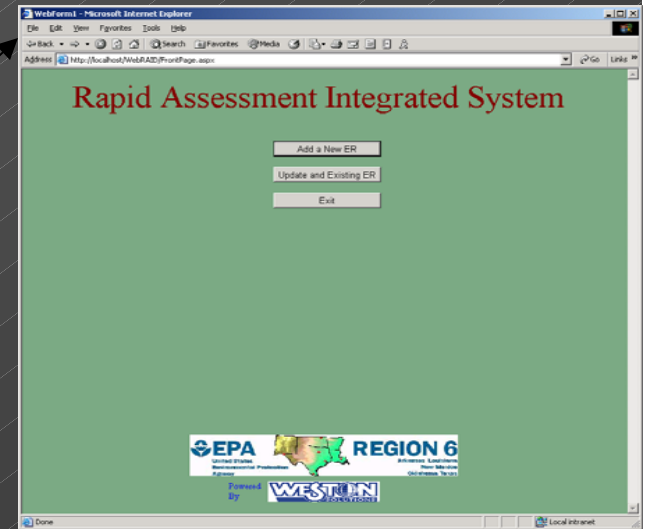
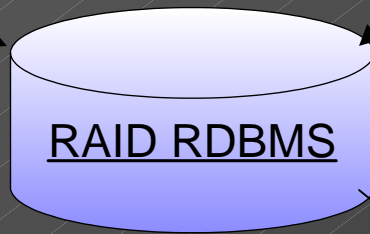
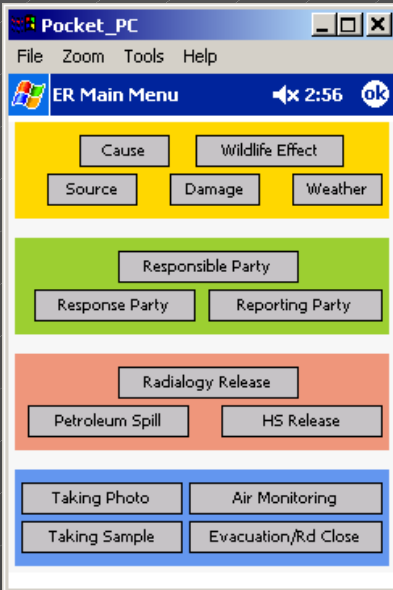
Emergency Response Tracking System



Emergency Response EDMS

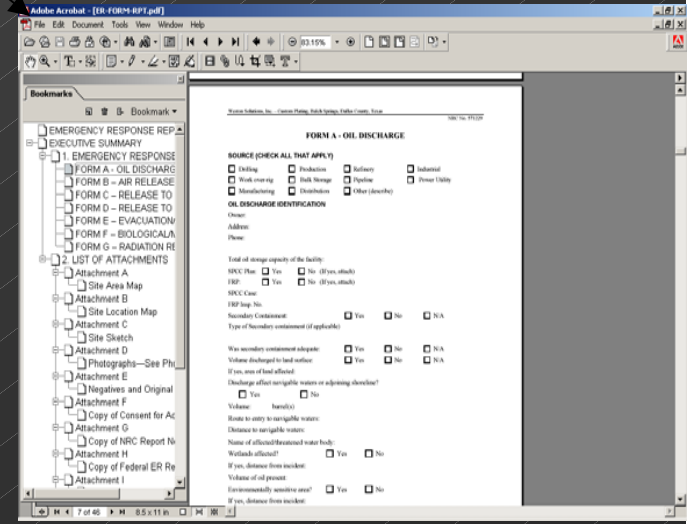
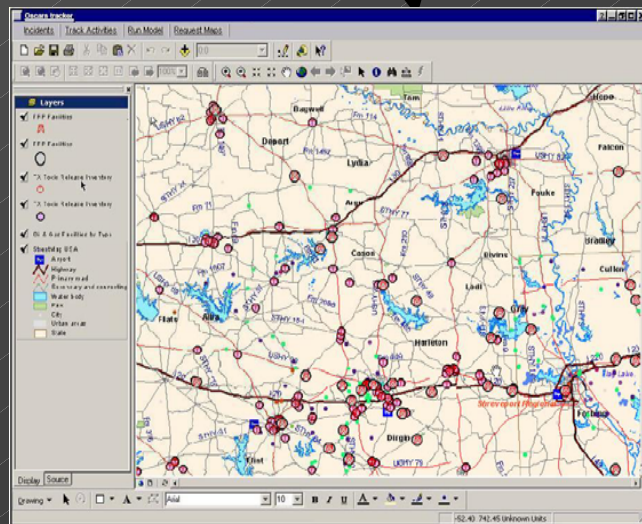
Mobile Applications

Secure Web Applications



GIS based Incident Tracking

Auto Generated Final Reports



Emergency Response EDMS

- Reports are auto-generated in electronic format.
- Format consistent with Region 6 Electronic Deliverables Standard.
- Reports consistent with SDMS format.

Adobe Acrobat - [ER-FORM-RPT.pdf]

File Edit Document Tools View Window Help

79.28%

Bookmark

EMERGENCY RESPONSE REPORT

EXECUTIVE SUMMARY

1. EMERGENCY RESPONSE CHECKLIST

FORM A - OIL DISCHARGE

FORM B - AIR RELEASE

FORM C - RELEASE TO SURFACE

FORM D - RELEASE TO SOIL

FORM E - EVACUATION/RELOCATION

FORM F - BIOLOGICAL/MEDICAL

FORM G - RADIATION RELEASE

2. LIST OF ATTACHMENTS

Attachment A

Site Area Map

Attachment B

Site Location Map

Attachment C

Site Sketch

Attachment D

Photographs—See PhotoTrack

Attachment E

Negatives and Original Photographs

Attachment F

Copy of Consent for Access

Attachment G

Copy of NRC Report No. 2

1. EMERGENCY RESPONSE CHECKLIST

PROJECT INFORMATION

Site Name	EPA TM	
EPA OSC	START-2 PM	
Incident Date	Time of Incident	
Incident Location		
Latitude ° N	Longitude ° W	
Suspected Terrorist Activity? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Weather Conditions		
START-2 Activation Date	Time	Hours TDD No.

INCIDENT IDENTIFICATION NUMBERS

NRC No.	ERNS No.	
FPN No.	CERCLIS No.	
SSID No.	RCRIS No.	

REPORTING PARTY

Affiliation	
Name	
Address	
Phone Number	

DISCHARGER

Affiliation	
Name	
Address	
Phone Number	Facility ID

SOURCE (CHOOSE ALL THAT APPLY)

<input type="checkbox"/> Fixed Facility	<input type="checkbox"/> Railway	<input type="checkbox"/> Pipeline	<input type="checkbox"/> Vessel	<input type="checkbox"/> AST
<input type="checkbox"/> Air Transport	<input type="checkbox"/> Offshore	<input type="checkbox"/> Highway	<input type="checkbox"/> UST	

SOURCE DESCRIPTION (PROVIDE BELOW)

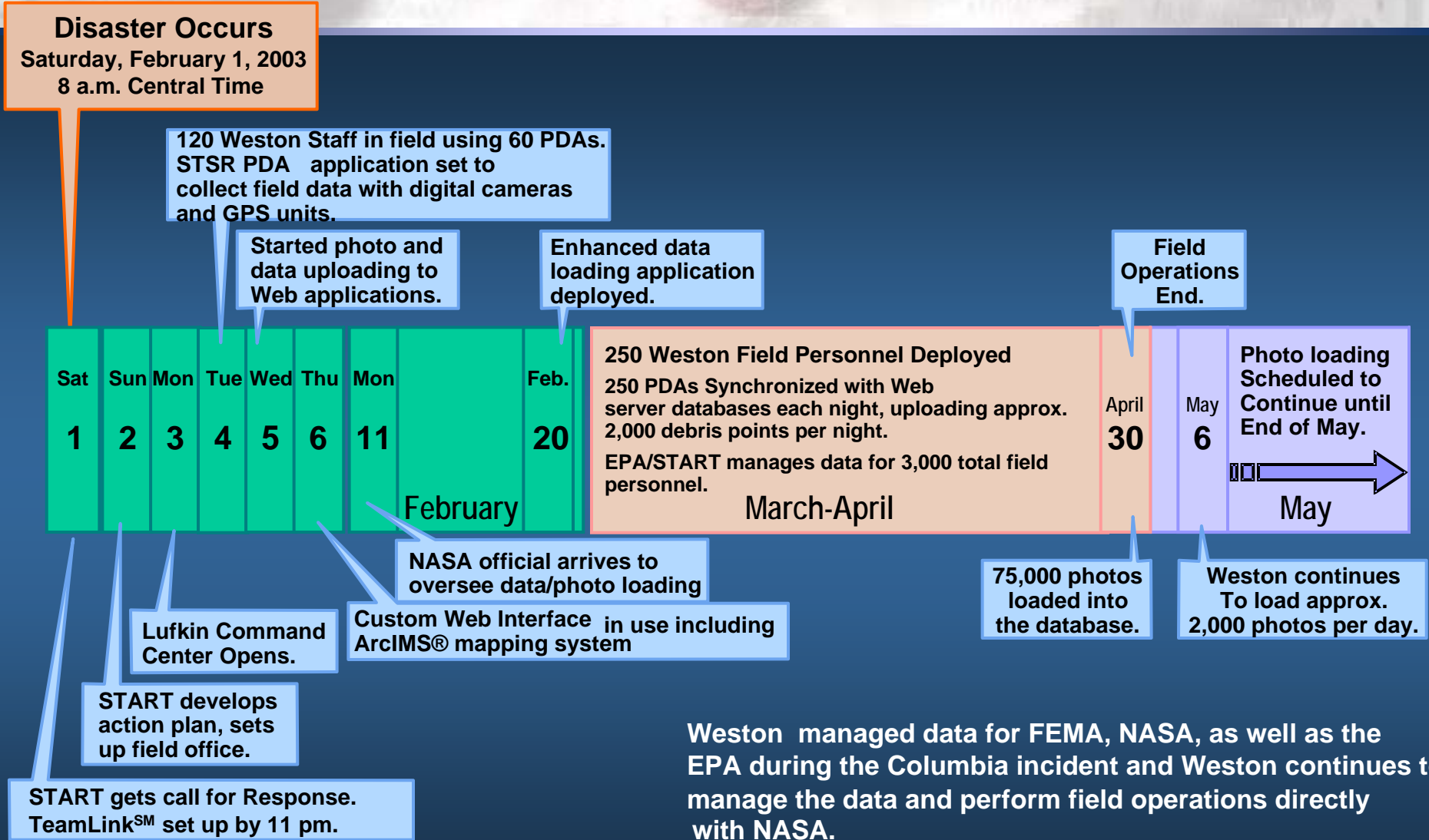
THIS DOCUMENT WAS PREPARED BY WESTON SOLUTIONS, INC. EXPRESSLY FOR EPA. IT SHALL NOT BE RELEASED OR DISCLOSED IN WHOLE OR IN PART WITHOUT THE EXPRESS, WRITTEN PERMISSION OF EPA.

06-01-07-0009.doc 1 TED No. 06-01-07-0009

4 of 46 8.5 x 11 in

COLUMBIA DISASTER DATA MANAGEMENT

ABBREVIATED TIMELINE



Weston managed data for FEMA, NASA, as well as the EPA during the Columbia incident and Weston continues to manage the data and perform field operations directly with NASA.



COLUMBIA DISASTER DATA MANAGEMENT ABBREVIATED TIMELINE

Team Items

D126

Refresh Team Items Add New Item

Sort by EPA ID	Sort by Date Time
D126-0002	2/7/03
D126-0001	2/7/03
D126-0003	2/9/03
D126-0004	2/12/03
D126-0006	2/12/03
D126-0005	2/12/03
D126-0007	2/15/03
D126-0008	2/15/03
D126-0010	2/16/03
D126-0009	
D126-0011	

Item Info

EPA ID: D126-0001

Team: D126

Sampler: VAN TREUEN/RANDOLPH

Latitude: 32.8241

Longitude: -96.70797

Convert DMS to DD

Date/Time: 2/7/03

Select Date/Time

Save

Photo Log

Add New Refresh

D126-0001A-020703

D126-0001B-020703

Photo Info

Photo ID	Roll	Frame
D126-0001B-02		

Photographer

Witness

Direction

Date/Time

Select Date/Time

Description

Save Log Entry

Sync Configuration

Select Config

Shuttle Disaster Refresh

Internet

URL: http://start6.westonproject.net/issce/ssc

User ID:

Password:

Proxy:

Publisher

Sever Name: extranet6

Database Name: stsr

Publication Name: stsr_sqlce

User ID: stsr_ce

Password: *****

Use SQL Authentication

Subscriber

Subscriber Name: ddpruitt

Local Database Filename: \\Program Files\STS Recovery\stsr.sdf

COLUMBIA DISASTER DATA MANAGEMENT ABBREVIATED TIMELINE

The screenshot displays three overlapping browser windows from the Columbia Recovery web application. The top-left window shows the 'Main Menu' with sections for General, Update, View, Reports, and Users. The top-right window shows the 'Search for Item to Edit' interface with search criteria and a table of items. The bottom window shows the 'Item Update' form for EPA ID 48073-10-0021.

Main Menu

- General
 - Web Hub
 - View Map
- Update
 - Items
 - Close Out Location
- View
 - Items
 - Message from Christie Whitman
- Reports
 - Items
- Users
 - Manage Users
 - View Logs
 - Logout

Search for Item to Edit

Search Criteria

EPA ID (part or whole): EPA TEAM: All

Date Found between and

County: All Comments: Wing

Search For Items

Edit Item	EPA ID	EPA TEAM	Sampler	Date Found	Lat	Long
Update This Item	48000-LF-0002	NON-EPA	R VAN WARI	2/18/2003	31.756617	-95.174
Update This Item	48000-LF11-0012	NON-EPA	KRACSUN	3/7/2003	31.849967	-95.240
Update This Item	48000-LF2-0026	NON-EPA	R. LADUE	2/18/2003 8:55:00 PM	31.8475	-95.338
Update This Item	48000-LF3-0011	NON-EPA	R VAN WART	2/19/2003 7:48:49 PM	31.76455	-95.174
Update This Item	48000-LF7-0056	NON-EPA	DWAYNE COMPTON	3/2/2003	31.5665	94.637

Item Update Form

EPA ID: 48073-10-0021

EPA TEAM: PAL-10

Sampler: ENGLAND / DINGER

Date Found: 2/5/2003 12:25:00 AM

Latitude: 31.70508 The latitude and longitude must be in Decimal Degrees.

Longitude: -95.23186

Collecting Agency:

Collection Location:

Status: UNCONFIRMED

Comments: wing structure

Save

Add or Edit Photos of this Item View This Item On Map

Update A Different Item

Update Items
Manually

Search for Items

COLUMBIA DISASTER DATA MANAGEMENT ABBREVIATED TIMELINE

Columbia Recovery - Main Menu - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print

Address: https://dm.westonproject.net/columbia/home.asp

Columbia Recovery

Main Menu

General

- [Web Hub](#)
- [View Map](#)

Update

- [Items](#)
- [Close Out Location](#)

View

- [Items](#)
- [Message from Christie Whitman](#)

Reports

- [Items](#)

Users

Close Out Items

Columbia Recovery - Address Search - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print

Address: https://dm.westonproject.net/columbia/update/closeoutlist.asp

Search for Location to Close Out

Please use the following search tool to identify locations that have been visited by EPA. Once you have for potential shuttle material, click the "Close Out" link the indicate that the location has been investigated.

Address:
FEMA ID: **City:** All
ZIP: All **County:** All
Command Post: Nacogdoches ICP

[Printer-Friendly version of these results](#)

Close Out This Location	FEMA ID	Address	City	ZIP	Name	Call Back Number	Latitude	Longitude
Close Out	STS107_23774		Lufkin		Mike Jones Representing International Paper	9366339630	31 42 08	94 58 40

Done Internet

COLUMBIA DISASTER DATA MANAGEMENT ABBREVIATED TIMELINE

Columbia Recovery - Photo - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print Refresh Home

Address https://dm.westonproject.net/columbia/update/photoupdate.asp?record={5175C5CE-20D8-4D37-9705-82AD0E}

Columbia Recovery

Photo of '48073-10-0021'

EPA Photo ID	48073-10-0021	Roll	
Date Taken	2/5/2003 12:25:00 PM	Frame	11
Photographer	DANA BECK	Direction	Unknown
Witness			

Description

wing structure, 1 piece

No image for this record. Use the *Upload This Photo* button to upload a photo.

High Resolution Image

Go To Photo: 48073-10-0021

Done

- General
 - Main Menu
 - Web Hub
 - View Map
- Update
 - Items
 - Close Out
 - Location
- View
 - Items
 - Message from Christie Whitman
- Reports
 - Items
- Users
 - Manage Users
 - View Logs
 - Logout

View Photos

High Resolution Image of 48073-10-0021 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print Refresh Home

Address https://dm.westonproject.net/columbia/popups/showlargeimage.asp?record={5175C5CE-20D8-4D37-9705-82AD0E}



Done

COLUMBIA DISASTER DATA MANAGEMENT ABBREVIATED TIMELINE

- Data Synchronization in the Lufkin Disaster Field Office.
- 250 PDA's per night had to be synchronized in 5 different field offices.



COLUMBIA DISASTER DATA MANAGEMENT ABBREVIATED TIMELINE

Interactive Mapping with the ability to perform spatial queries. Key word searches for important debris items.

Columbia Interactive Map - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Copy Paste Undo Redo

Links Customize Link Address <https://dm.westonproject.net/columbia/arcims/viewer.htm?ActiveLayer=2> Go

Columbia Recovery

Home

Zoom In Zoom Out Zoom Full Zoom Active Zoom Previous Pan Identify Feature Measure Tool

Set Map Units Debris Info Query Tools

Use the Query Tools to search the debris info by keyword.

Field Operator Value

STSR_ITEM_ = Get Samples

Add to Query String

Execute Undo Clear

Map: -95.3, 30.48 -- Image: 357, 345 -- ScaleFactor: 0.007546836365542143

Legend

- Shuttle Flight Path
- Command Posts
- Shuttle Items
- Rivers
- AirOpsZones
- NWS Doppler Radar
- Lakes
- Command Counties
- Counties
- States

Columbia Interactive Map - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Copy Paste Undo Redo

Links Customize Link Address <https://dm.westonproject.net/columbia/arcims/viewer.htm?ActiveLayer=2> Go

Columbia Recovery

Home

Zoom In Zoom Out Zoom Full Zoom Active Zoom Previous Pan Identify Feature Measure Tool

Set Map Units Debris Info Query Tools

Use the Query Tools to search the debris info by keyword.

- Zoom In - Click or draw a rectangle on map to zoom in.

Field Operator Value

STSR_ITEM_ = Get Samples

Add to Query String

Execute Undo Clear

Map: -94.6, 31.59 -- Image: 507, 237 -- ScaleFactor: 0.00017921875708328436

Legend

- Shuttle Flight Path
- Command Posts
- Shuttle Items
- Towns
- Roads
- Major Roads
- County
- Interstate
- No Classification
- Other
- State
- US Highway
- City Streets
- Rivers
- AirOpsZones
- AirOpsSearchGrid
- Lakes
- Command Counties

COLUMBIA DISASTER DATA MANAGEMENT ABBREVIATED TIMELINE

Spatial Query Dialog and results for the keyword "wing".

Query Tools - Microsoft Internet Explorer

Query Map

Comments:
Enter keyword(s) to search for debris.

Wing

Search Comments

EPA ID:
Enter part or all of an items EPA ID

EPA ID

Search EPA IDs

Zoom to Selected Items

Clear Highlighted Search Items

Close Window

Done Internet

Columbia Interactive Map - Microsoft Internet Explorer

Address: https://dm.westonproject.net/columbia/arcims/viewer.htm?ActiveLayer=0

Columbia Recovery

Home

Zoom In Zoom Out
Zoom Full Zoom Active
Zoom Previous Pan
Identify Feature Measure Tool
Set Map Units Debris Info

Query Tools

Use the Query Tools to search the debris info by keyword.

Switch to Layers

Legend

- Selected Features
- Shuttle Items
- Command Posts
- Shuttle Flight Path
- Counties
- NWS Doppler Radar
- States

Map created with ArcIMS - Copyright (C) 1992-2001 ESRI Inc.

100mi

Zoom In - Click or draw a rectangle on map to zoom in.

Rec	STSR_ITEM_	EPA_ID	EPA_TEAM	SAMPLER	WHEN_ITEM_	LATITUDE	LONGITUDE	
1	IEBCEA09D-004F-11C2-8000-10C2BB816C0F	48000-LF3-0011		R VAN WART	2003-02-19 19:48:49	31.76455	-95.174210	Wing Tile (1P)
2	MID-1A67B9-75E1-48CC-875C	48347-N3-N3		MICHELL HALES	2003-02-06 14:44:00	31.600259	-94.797447	Wing strut, 24" long 1461 CR 751In pasture southw of house.

Map: -91.96, 30.44 -- Image: 669, 300 -- ScaleFactor: 0.01338208191694674

COLUMBIA DISASTER DATA MANAGEMENT ABBREVIATED TIMELINE



Monomethyl Hydrazine Tank

Ground Impact



COLUMBIA DISASTER DATA MANAGEMENT ABBREVIATED TIMELINE



Hydrazine Cylindrical Tank

High Pressure Helium Tank



COLUMBIA DISASTER DATA MANAGEMENT ABBREVIATED TIMELINE



Thruster Structure Assembly

Nose Cone

