

Turning WPLCS into PARIS



**THE HOW'S AND WHY'S BEHIND THE WPLCS
REDEVELOPMENT PROJECT**

1. Reengineer our core system to meet the current business needs



- **WPLCS was built nearly 20 years ago to meet the demands of individual permits**
- **Since then, the program has shifted to more and more general permits**
- **Roughly 87% of active permits are now general permit coverages, so a new data model was created to help capture this more accurately**

2. Prepare our system for EPA's new ICIS-NPDES system



- **Currently this information goes to EPA's antiquated PCS system**
- **EPA's new system, ICIS-NPDES, has a much larger set of required fields that we need to provide, from 70 in PCS to ~330 in ICIS**
- **We will include the inspection and enforcement data**

3. Improve Speed and Accuracy of Data Entry



- **Better alignment with agency and EPA data standards**
 - Structured our parameters after EIM and the Water Quality Exchange
- **Permit Data Quality workgroup - 18 month effort to clean up data**
 - Highlighted a strong need for business rules
 - QA/QC procedures
- **Improve data entry form layouts**
- **Open data entry to more users**

How did we get here...historical timeline



- **3 years ago – single goal of improving the existing eDMR system**
 - Conclusion: Need to fix WPLCS first
- **2 years ago we embarked on a four month WPLCS requirements gatherings**
 - Conclusion 1: There are a lot of areas for improvement
 - Conclusion 2: There are a lot of good ideas on what the system should do
 - Conclusion 3: This is going to expensive (\$\$\$)
- **1 year ago we performed an eDMR requirements gathering**

Turning WPLCS into PARIS: Why?



1. Reengineer our core system to meet the current business needs
2. Prepare our system for EPA's new ICIS-NPDES system
3. Increase speed and accuracy of data entry (data quality), allow more users to enter data (i.e. inspectors)
4. Create an infrastructure to support WebDMR across all permit types
5. Move to a lower maintenance and supportable web architecture
6. Move to a Facility Centric model instead of Permit Centric
7. Increase data sharing and availability of Water Quality data throughout the agency
8. Increase the ability to get data out

The Results of These Efforts



WE NEED:

1. **New database data model - new table structures to address our current needs**
 1. **General permits**
 2. **Facility centric**
 3. **Tracking permits**
 4. **Better data output for internal/external users**
2. **A new web-based user interface: [PARIS](#)**
[Permitting And Reporting Information System]
3. **A new web-based DMR data entry system: [WebDMR](#)**
4. **Compliance with [CROMERR](#)**
5. **Compatibility w/[ICIS NPDES](#)**

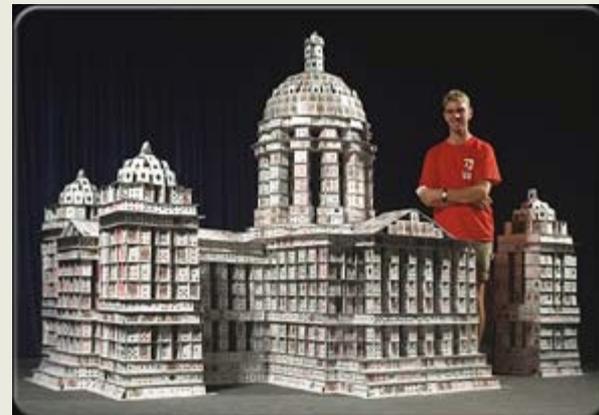
WPLCS

R.I.P



PARIS

Coming to a browser near you in
January 2010



On-going work



- **QA/QC of data**
- **Working on data migration**
- **Business team in place and functional**
- **Data steward working with QA/QC of data and business team on business rules**
- **GIS help from WR on facility latlong/outfalls**
- **IDEF backlog**

Current Estimated Schedule (will be adjusted by new project mgr)



- **Development, system testing and documentation completed - Dec/Jan**
- **Rollout and complete user testing – Jan/Feb**
- **WebDMR available – Feb/March**
- **Still on time to be available for the industrial stormwater permit/or its amendments**

Questions/Discussion

