

Army: Preventive Medicine/OEHS Roles – Hurricane Katrina

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Army OEHS Roles Background

- ◆ 82nd Airborne Division PM, 224th Medical Detachment, and 61st Medical Detachment deployed in support of JTF-Katrina
- ◆ USACHPPM SMART PM Team arrived in theater 18 Sep 05
- ◆ Tri-Service Coordination



USACHPPM Support

- ◆ Deployment Environmental Surveillance
 - Equipment
 - Media
 - Technical
- ◆ Intelligence Preparation of the Battlefield
 - Industrial Locations
 - Troop Locations
 - Graphics
- ◆ Deployment Data Archiving
- ◆ USACHPPM Laboratory Analysis



Deployment OEHS Sampling Efforts



◆ Water

- Flood Water
- Potable/Treated
- Untreated/ROWPU Source Water

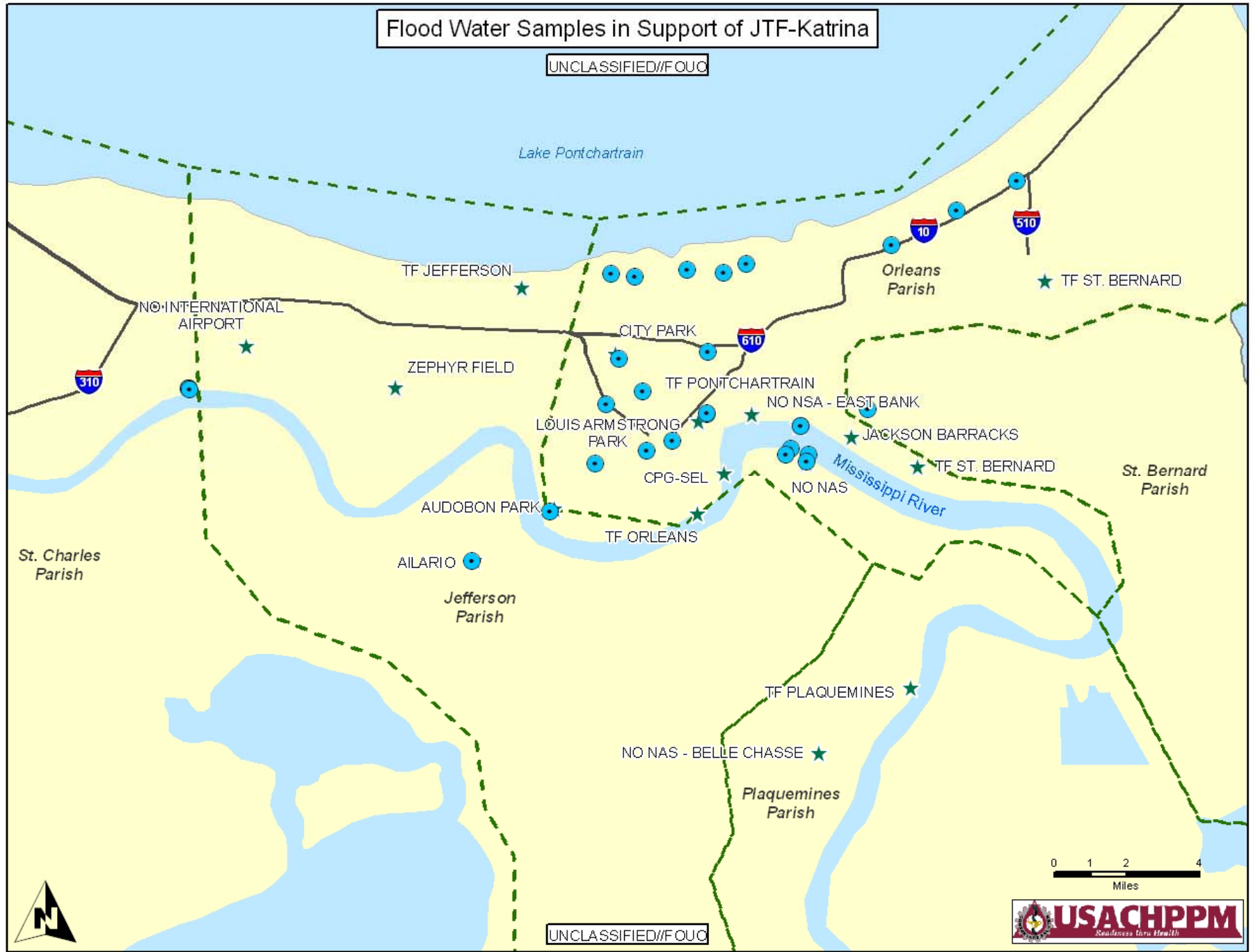
◆ Soil

◆ Ambient Air

- PM10 and Metals
- VOC (T0-17)

Flood Water Samples in Support of JTF-Katrina

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Soil Samples in Support of JTF-Katrina

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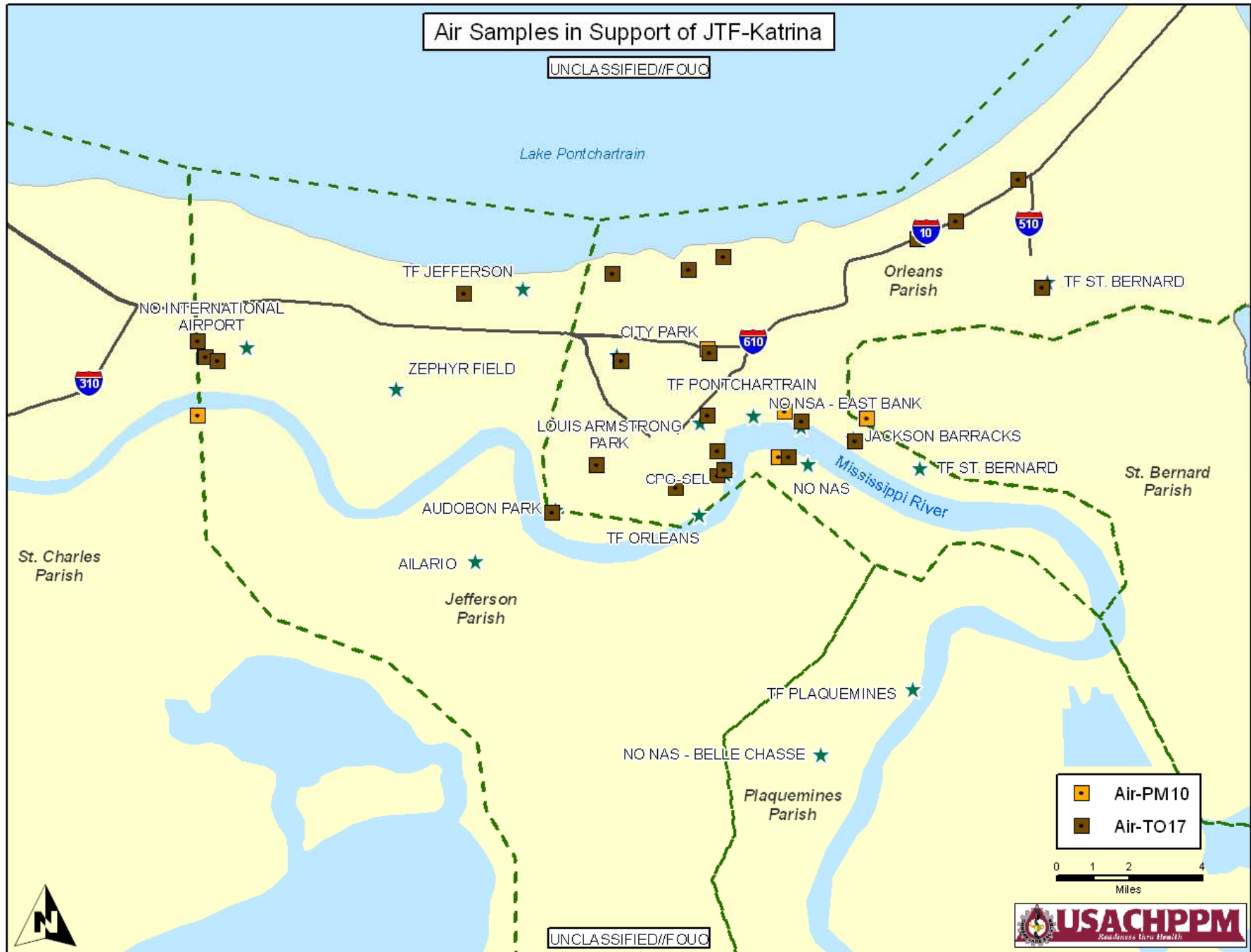


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Air Samples in Support of JTF-Katrina

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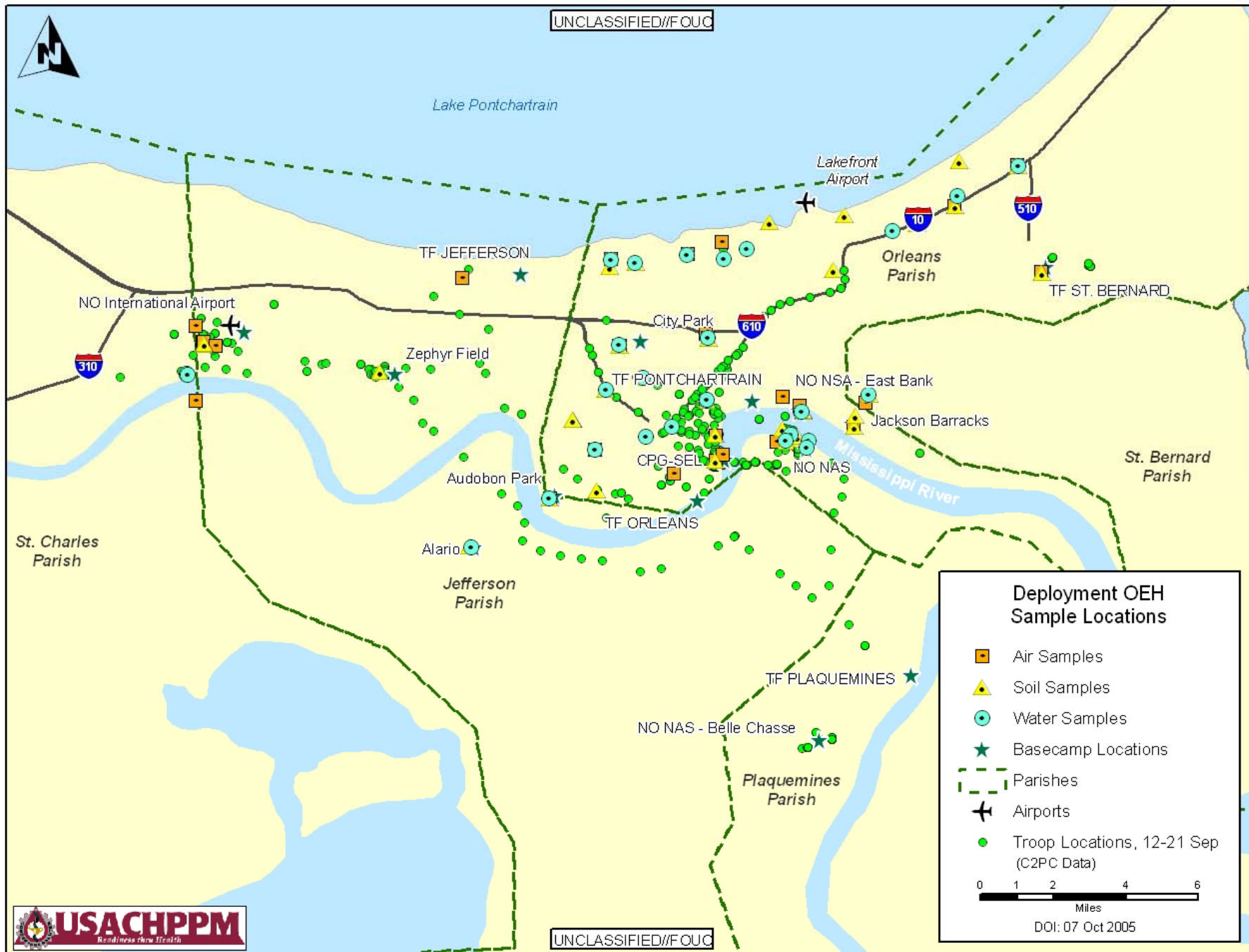
■ Air-PM10
■ Air-TO17

0 1 2 4
Miles








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Deployment OEH Sample Locations

-  Air Samples
-  Soil Samples
-  Water Samples
-  Basecamp Locations
-  Parishes
-  Airports
-  Troop Locations, 12-21 Sep (C2PC Data)



DOI: 07 Oct 2005



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Major Sample Locations

- ◆ TF Orleans
- ◆ TF Lonestar
- ◆ TF Seminole
- ◆ Camp Gumbo
- ◆ Jackson Barracks
- ◆ Camp Jackson
- ◆ TF Pontchartrain
- ◆ Michoud
- ◆ N.O. Int. Airport
- ◆ Pass Christian, Ms
- ◆ NSA West & East
- ◆ Zeypher Field
- ◆ Alario
- ◆ Audubon Park
- ◆ Convention Center
- ◆ Delgado
- ◆ Superdome
- ◆ Chalmette
- ◆ Gulfport, Ms
- ◆ Hammond

Laboratory Analysis Conducted

- ◆ Water – VOCs, SVOCs, physical parameters, radionuclides, Pesticides, PCBs, Herbicides, Metals
 - 211 parameters
- ◆ Soil – SVOCs, Pesticides, Herbicides, Metals, Radionuclides
 - 219 parameters
- ◆ Ambient Air – VOC
 - 58 parameters
- ◆ Ambient Air – PM10 and Metals
 - 11 parameters (10 metals + PM10)

Operational Risk Management Results Based Upon DOEHS Samples

Overall there is a LOW Operational Risk Assigned to Exposures to the ambient air, water and soil in the New Orleans AOR for JTF-Katrina efforts.



Water Issues

- ◆ No shortage of Potable Water
- ◆ ROWPU Locations
- ◆ Where is the water in the water trucks actually coming from



Soil & Air Issues

- ◆ Sludge drying
- ◆ US Forces cleaning/debris removal
- ◆ Personal Protective Measures



Preventive Medicine Issues

- ◆ National Guard Units did not deploy with PM assets
- ◆ Do in theater Active Army PM assets support National Guard Units??
- ◆ Location of Units
- ◆ Time, personnel, and transportation constraints to complete routine PM and DOEHS missions
- ◆ Data sharing with other Organizations and Agencies



Questions?