Army: Preventive Medicine/OEHS Roles – Hurricane Katrina

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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)
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
- Zeyphers 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?