



# Post-Katrina Soil/Sediment Sampling and Assessment:

*Louisiana Department of Environmental Quality  
Environmental Technology Division*

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# Sediment/Soil Sampling in Katrina Flooded Areas

- **Joint effort between USEPA and LDEQ**
- **Over 800 sediment samples collected**
- **Each sample analyzed for over 200 chemicals**
- **Tiered approach with multiple phases**
- **Sampling and evaluation are still ongoing**

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# Phase I Sediment Sampling

- Sampling began as floodwaters receded
- Over 450 samples collected
- Biased samples were collected to identify possible releases
- Samples were collected from sediments with stains or odors and from curbs/storm drains and drainage paths

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# Phase II Sediment Sampling

- Objective - more extensively characterize chemical nature of sediment in areas with heavy deposits
- 9th Ward and St. Bernard Parish (excluding the area impacted by the Murphy Oil spill)
- 282 sediment samples collected
- Compared to Residential Standards

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# Phase III Sediment Sampling

- Sampling is underway
- ~ 40 sample locations from earlier phases identified as localized areas that may require additional evaluation
- Plus the Agricultural Street Landfill and the Thompson-Hayward site
- ~ 280 samples to date

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# Phase IV Sediment Sampling

- Sampling is currently underway
- Focus is on areas with heavy sediment deposits
- Ninth ward and St Bernard Parish
- ~ 130 samples to date

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## Presentation of Sediment Data

- Phase I, Phase II, Re-sampling Data
- Data Summary and Location Map for each zip code within the flood zone
- Identification of areas for further evaluation

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