

Submitted
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Status Update for Koppers Superfund Site

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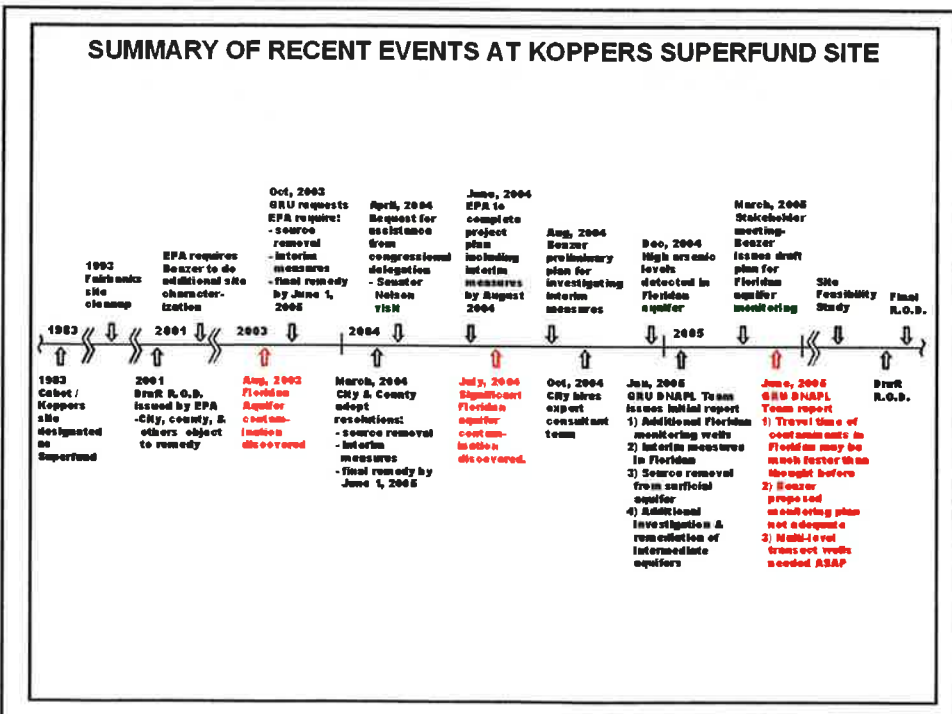
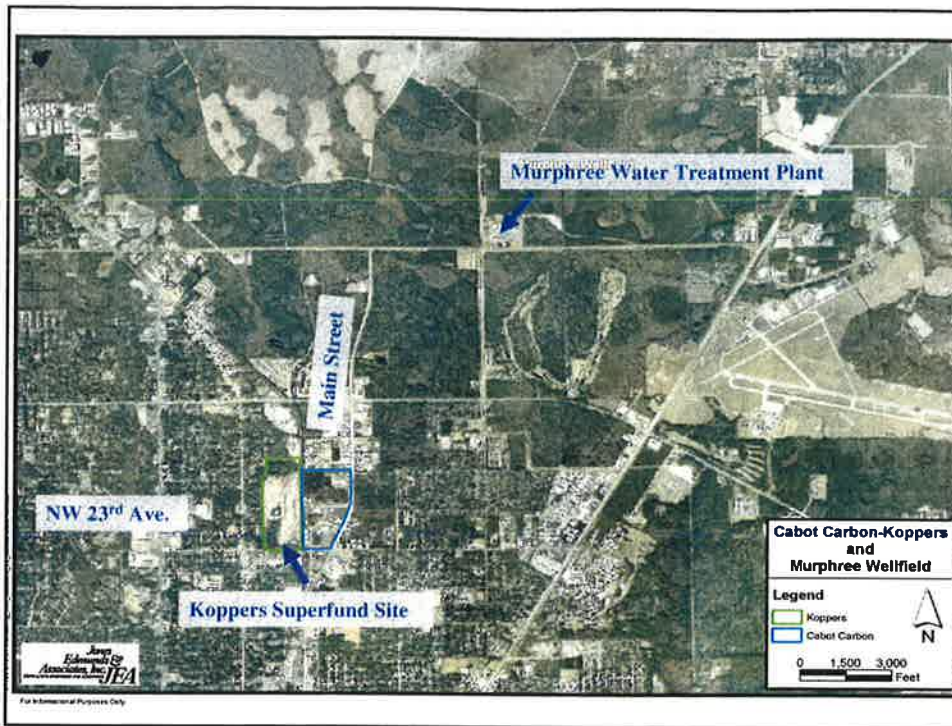
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Cabot/Koppers Site

- ☐ Superfund sites since 1983
- ☐ Cabot Site
 - Pine tar/charcoal facility early 1900s thru 1967
- ☐ Koppers Site
 - Wood treating operations since 1916
 - Contamination from creosote & other wood treating compounds

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Expert Team Conclusions

- ❑ Large mass of creosote, arsenic and other contaminants in Surficial & Intermediate Aquifers
- ❑ Contaminant mass will continue to leach into Floridan Aquifer unless appropriate actions are taken
- ❑ Significant contamination in Floridan Aquifer below site

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Review of Beazer Groundwater Model

- ❑ Key model assumptions not representative
- ❑ Travel time could be as low as 4-5 yrs
 - Uncertainty in parameter values
 - Based on conservative assumptions
- ❑ Existing Floridan Aquifer monitoring wells not adequate
 - Need monitoring wells

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Current Status

- ❑ Beazer unwilling to install Floridan Monitoring wells as recommended
- ❑ Beazer has no plans for interim measures in Floridan
- ❑ Beazer Maintains that creosote & Arsenic in Surficial Aquifer and Intermediate not mobile – Removal too expensive
- ❑ **GRU Not Willing to Risk Drinking Water Supply**

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GRU Requesting Immediate Actions from EPA

1. Implement Floridan Monitoring w/in 60 days
2. Design Interim Floridan Containment w/in 120 days
3. Install Floridan Containment w/in 180 days
4. Remove Contamination from Surficial Aquifer

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Additional Actions Needed

- Complete Characterization of Intermediate Aquifer Contamination
- Evaluate and Implement methods to Remove, Treat or Control Contamination in intermediate aquifer

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GRU Expert Team Efforts

- ❑ Original Scope
 - Unbiased Review
- ❑ Disagreement w/ Beazer on Major Issues
- ❑ More Detailed Efforts Required
 - Additional meetings with Beazer & regulators
 - Detailed review and analysis of site data & assumptions
 - Further investigation of site geology
 - Detailed review of Beazer groundwater model
 - Development of Floridan Aquifer Monitoring plan

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Additional Team Activities

- ❑ Assist in Implementing Floridan Aquifer Monitoring
- ❑ Assist in Developing Hydraulic Containment Plan
- ❑ "Specific Recommendation Report" for further site testing to ensure appropriate final remedy
- ❑ On-going assistance

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Expert Consultant Team

- ❑ Extensive and Detailed Effort required
- ❑ Instrumental in Ensuring appropriate actions taken & water supply protected
- ❑ Estimated Cost through FY 2005:
\$400,000

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Conclusions

- ❑ Water Supply is Safe & We Want to Keep it that Way
 - Decisive & appropriate action needed now
- ❑ Immediate Actions Needed:
 - Floridan Aquifer Monitoring w/in 60 days
 - Design Floridan Containment w/in 120 days
 - Implement Floridan Containment w/in 180 days
 - Remove Contamination from Surficial Aquifer

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Conclusions (cont)

- ☐ We are taking aggressive & proactive approach
- ☐ Expert consultant team instrumental
- ☐ Not willing to risk our community's water supply

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