

**FLEMING COUNTY
SPECIAL CREW FACILITY
CORRECTIVE ACTION
REPORT
KYTC# 370, AI# 102112**



Prepared for:

**KENTUCKY TRANSPORTATION CABINET
DIVISION OF ENVIRONMENTAL ANALYSIS
200 MERO STREET
FRANKFORT, KY 40602**

March 10, 2009

Prepared by:

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SECTION I. BACKGROUND

On July 31, 2003, H.C. Nutting Company completed a Phase I Environmental Site Assessment for the KYTC (Kentucky Transportation Cabinet) Fleming County Special Crew Facility Lot in Flemingsburg, Kentucky. Several recognized environmental conditions (RECs) were identified in the Phase I as follows:

- The potential for petroleum contamination from a former tack oil tank located on the property; and
- The potential for contamination associated with sandblasting practices on the property.

On April 22, 2008, the work as set-forth in the workplan was performed. A topographic map and an aerial photograph of the site can be found in Figure 1. and Figure 2. of this report showing the contaminated areas.

Excavation of contaminated soils was completed on December 10, 2008.

SECTION II. COMPLETED CONTAMINANT REMOVAL AND SAMPLING ACTIVITIES

Petroleum Contaminated Soils in Former Tack Oil Tank Location

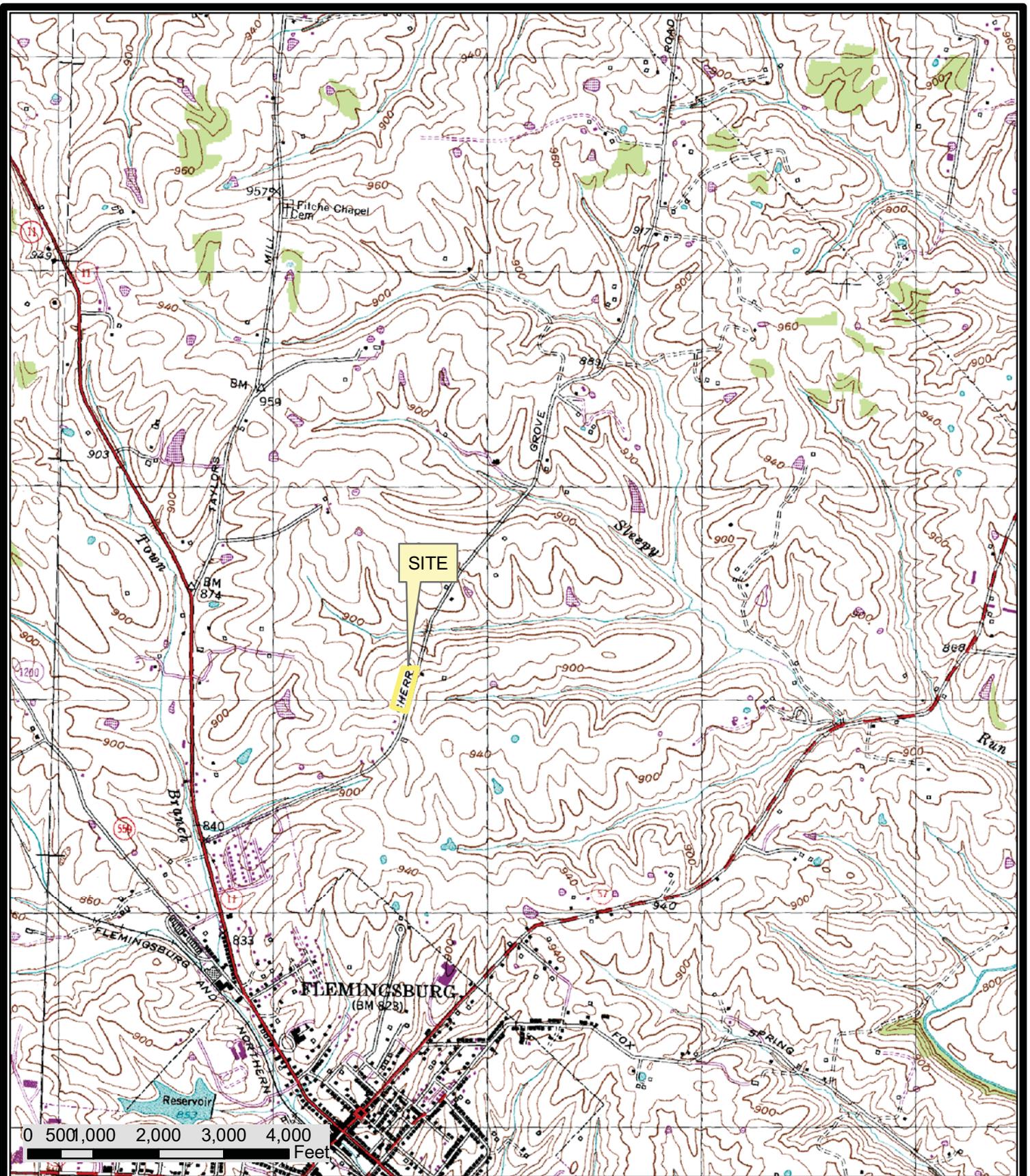
A tack oil tank had been present in the area shown on Figure 2 where borings B1-B5 were collected. Sampling of the soils in the obviously tack oil contaminated areas in this location showed that the contamination was contained in the areas of B1, B2 and B3. The tack oil layer visible at 2-3' bgs and tack oil contaminated soils were removed and disposed of at Rumpke Landfill in Jeffersonville, Kentucky. Photographs included in Appendix A show the remediation in progress and complete. Figure 3. shows the areas of remediation. Approximately 200 tons of contaminated soils were removed. Waste tracking documentation is included in Appendix C. Confirmatory samples showed the formerly contaminated areas are now below the industrial regulatory limits for TPH and PAHs. Analytical results from confirmatory sampling are included in Appendix B, and samples FCS-1 and FCS-2 are the samples related to this remediation.

The soils in the truck wash area were scraped and removed as a precaution, but no confirmatory samples were taken as the arsenic levels were not believed to be a concern, but rather from natural processes.

SECTION III. CONCLUSIONS AND RECOMMENDATIONS

Contaminated soils as discovered during site characterization activities have been removed from the property. No further action is recommended at this time for all remediated areas. Site closure is requested.

FIGURES



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200 MERO STREET
FRANKFORT, KENTUCKY 40622

USGS QUAD
 Flemingsburg
 KENTUCKY

Scale 1:24,000

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July
 2008

FIGURE 1

Location on Topographic Map
 Environmental Site Characterization
 Fleming County Special Crew Facility Lot
 Flemingsburg, Fleming County, Kentucky





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FIGURE 2

Location on Aerial Map
 Environmental Site Characterization
 Fleming County Special Crew Facility
 Flemingsburg, Fleming County, Kentucky

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FIGURE 3

Remediated Areas
 Fleming County Special Crew Facility
 Flemingsburg, Kentucky



Scale 1:891

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APPENDICES

APPENDIX A – PHOTOGRAPHIC JOURNAL



Photo No. 1: Former tack oil tank area (B1F-B5F)



Photo No. 2: Former tack oil tank location after tack oil removal



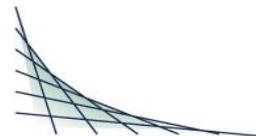
Photo No. 3: Former tack oil tank area after remediation and fill

No Photo

APPENDIX B – ANALYTICAL RESULTS

CT LABORATORIES

delivering more than data from your environmental analyses



ANALYTICAL REPORT

**This package contains _____ page(s).
(including the cover page)**

This report at a minimum contains the following information:

- Analytical Report of Test Results
- Description of QC Qualifiers
- Chain of Custody (copy)
- Quality Control Summary
- Case Narrative (if applicable)
- Correspondence with Client (if applicable)

For analyses that require NELAP accreditation, all analytes, by matrix and method, are accredited following current NELAP standards unless specifically noted in this document.

