

## **APPENDIX C**

### **AGENCY COORDINATION CORRESPONDENCE (Since the Public Hearing)**

- **Kentucky Department for Environmental Protection – Division of Waste Management (DWM): Closure Documentation (pp. 2 – 27)**
- **Kentucky State Historic Preservation Office: Phase I Archaeology Concurrence (p. 28)**
- **FHWA: Determination of No Adverse Effect and *De Minimis* Rule (p. 29)**
- **Kentucky State Historic Preservation Office: Section 4(f), *De Minimis* Rule Concurrence (p. 31)**

Energy and Environment Cabinet  
Department for Environmental Protection - Division of Waste Management  
**CLOSURE SUMMARY REPORT**

Site Name: **McBrayer Grocery & Farm Supply**      AI I.D. #: **58166**  
**Site Location:**    9425 Brown Ridge Rd  
                              Morehead (Rowan), KY 40351  
**Lat:** 38.16904 **Long:** -83.26593    **County:** Rowan  
**Permanently out-of-service:** ☒ yes    ☐ no                      **Date Removed:** May 29, 2012

**Participants:**

Fire Marshal licensed remover name: Ryan Brown & I.D.#: LUG0009615, Company affiliation: Micah Group

Name	Affiliation	Duty	Phone #
James McDaniel	Micah Group	Labor	859-260-7760
Scott Meeks	Micah Group	Vac-truck operator	859-260-7760
Gary Lowry	Micah Group	Equipment operator	859-260-7760
Ryan Brown	Micah Group	Licensed remover / sampling	859-260-7760

**UST Pit #1**

Pit Size: <u>42'</u> (L) <u>32'</u> (W) <u>10'</u> (D) Length of piping trench: <u>none</u> (piping removed in excavation) Number of UST(s) <input checked="" type="checkbox"/> removed <input type="checkbox"/> closed in place: <u>4</u> Size(s) of tanks: <u>8000, 6000, 5000, 4000</u> gallon Area of pavement damage: <u>42'</u> (L) <u>32'</u> (W) Material of pavement: <u>concrete</u> (8" thick) Condition of tanks: <u>very good</u> Condition of piping: <u>good, slightly rusted</u> Product(s) Stored in UST(s): <u>gasoline and diesel</u> Was a 1 meter assessment made? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input checked="" type="checkbox"/> Water encountered in the 1 meter assessment? <input type="checkbox"/> Bedrock encountered in the 1 meter assessment? Determination of pit water: <u>yes</u> Was there over excavation? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no Amount over excavated: _____' (L) _____' (W) _____' (D)	<table border="0"> <tr> <th colspan="2">Pit / Piping Trench</th> <th>(mark box if yes)</th> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Visible soil contamination?</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Notable petroleum odor?</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Free product observed?</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Water present?</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Groundwater present?</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Sheen/product on water?</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Bedrock encountered?</td> </tr> </table> <b>Storage &amp; Condition of Excavated Soils</b> <input checked="" type="checkbox"/> Notable odor <input checked="" type="checkbox"/> Visible soil contamination <input type="checkbox"/> Excavated soil covered with plastic <input checked="" type="checkbox"/> Excavated soil returned to excavation <input type="checkbox"/> Excavated soil not on site. Where? _____	Pit / Piping Trench		(mark box if yes)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Visible soil contamination?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Notable petroleum odor?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Free product observed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Water present?	<input type="checkbox"/>	<input type="checkbox"/>	Groundwater present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sheen/product on water?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Bedrock encountered?
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<input checked="" type="checkbox"/>	<input type="checkbox"/>	Bedrock encountered?																							

**UST Pit # \_\_\_\_\_**

Pit Size: _____' (L) _____' (W) _____' (D) Length of piping trench: _____' Number of UST(s) <input type="checkbox"/> removed <input type="checkbox"/> closed in place: _____ Size(s) of tanks: _____ Area of pavement damage: _____' (L) _____' (W) Material of pavement: _____ Condition of tanks: _____ Condition of piping: _____ Product(s) Stored in UST(s): _____ Was a 1 meter assessment made? <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Water encountered in the 1 meter assessment? <input type="checkbox"/> Bedrock encountered in the 1 meter assessment? Determination of pit water: _____ Was there over excavation? <input type="checkbox"/> yes <input type="checkbox"/> no Amount over excavated: _____' (L) _____' (W) _____' (D)	<table border="0"> <tr> <th colspan="2">Pit / Piping Trench</th> <th>(mark box if yes)</th> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Visible soil contamination?</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Notable petroleum odor?</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Free product observed?</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Water present?</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Groundwater present?</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Sheen/product on water?</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Bedrock encountered?</td> </tr> </table> <b>Storage &amp; Condition of Excavated Soils</b> <input type="checkbox"/> Notable odor <input type="checkbox"/> Visible soil contamination <input type="checkbox"/> Excavated soil covered with plastic <input type="checkbox"/> Excavated soil returned to excavation <input type="checkbox"/> Excavated soil not on site. Where? _____	Pit / Piping Trench		(mark box if yes)	<input type="checkbox"/>	<input type="checkbox"/>	Visible soil contamination?	<input type="checkbox"/>	<input type="checkbox"/>	Notable petroleum odor?	<input type="checkbox"/>	<input type="checkbox"/>	Free product observed?	<input type="checkbox"/>	<input type="checkbox"/>	Water present?	<input type="checkbox"/>	<input type="checkbox"/>	Groundwater present?	<input type="checkbox"/>	<input type="checkbox"/>	Sheen/product on water?	<input type="checkbox"/>	<input type="checkbox"/>	Bedrock encountered?
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<input type="checkbox"/>	<input type="checkbox"/>	Sheen/product on water?																							
<input type="checkbox"/>	<input type="checkbox"/>	Bedrock encountered?																							

**Additional Closure Information**

SOTRA Removal? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input checked="" type="checkbox"/> Sludge/absorbent or <input type="checkbox"/> Wash water removed? <input checked="" type="checkbox"/> y <input type="checkbox"/> n Tank Disposal Location: <u>local scrap yard</u> Disposal location of tank waste sludge: <u>Safety-Kleen</u> Tanks cut & cleaned <input checked="" type="checkbox"/> on site or <input type="checkbox"/> off site-Location? _____ Tank wastes <input type="checkbox"/> sampled for TCLP, <input checked="" type="checkbox"/> declared hazardous waste, or <input type="checkbox"/> declared non-hazardous. Environmental samples collected by contractor? <input checked="" type="checkbox"/> y <input type="checkbox"/> n    Chain of custody attached? <input checked="" type="checkbox"/> y <input type="checkbox"/> n Estimated volume of fuel/water removed from tanks <u>1098 gallons</u> or pits _____ for disposal.	Environmentally sensitive features noted? <input type="checkbox"/> yes <input type="checkbox"/> no Estimate volume collected: <u>approximately 100 gallons</u> Split samples? <input type="checkbox"/> y <input checked="" type="checkbox"/> n Split samples? <input type="checkbox"/> y <input checked="" type="checkbox"/> n
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**Closure activities summary:**

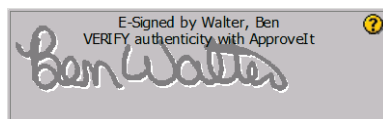
Representatives from the Micah Group were on site to conduct all tank removal activities. Four underground storage tanks were permanently closed at this location: 8000 gallon gasoline, 6000 gallon gasoline, 5000 gallon gasoline and 4000 gallon diesel. All tanks were constructed of steel and had previously been protected from corrosion by an impressed current system. All piping was steel and located within the excavated pit. Therefore, there was no associated piping trench. The pit measured 42'x32'x10'. Bedrock was encountered at 4' on the eastern end of the pit. However, bedrock was not encountered in the remaining majority of the pit. Visible contamination and notable petroleum odor was observed in the pit and associated excavated material. Free product was observed in the pit bottom. A small amount of pit water was observed, with a visible sheen and floating product. All tanks were cut and cleaned on site. The associated contents were transported by the Micah Group to Safety-Kleen in Lexington, KY. The Micah Group is a registered hazardous waste transporter. Approximately 1098 gallons of product/water were pumped from the tanks, prior to removal.

**The following samples were collected:**

- 18 BTEX and PAH pit samples
- 2 BTEX and PAH excavated material samples
- 1 grain size sample

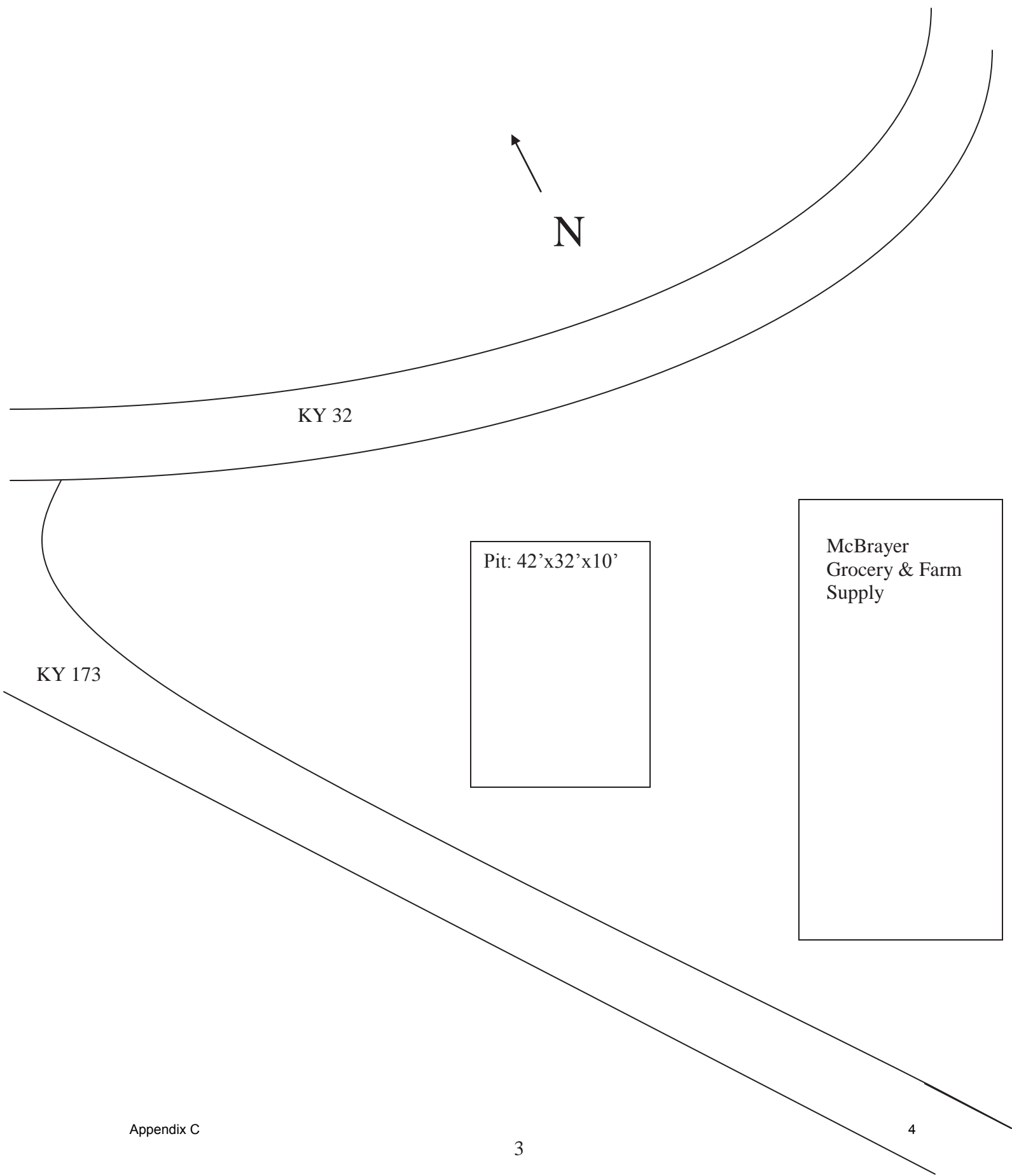
**Equipment used:**

- excavator
- large vac-truck
- generator/compressor
- utility truck
- various sampling supplies
- bobcat



Inspector Name, Environmental Inspector  
Date: May 31, 2012

Site Sketch:



**Energy and Environment Cabinet  
Kentucky Department for Environmental Protection  
Division of Waste Management**

**Activity:** CIN20120002 Inspection Followup

**Lead Investigator:** Walter, Lyle

**Agency Interest/Permit ID:** 58166

**Agency Interest Name:** McBrayer Grocery & Farm Supply

**Agency Interest Address:** 9425 Brown Ridge Rd

Morehead (Rowan), KY 40351

**Program:** UST

**County:** Rowan

**Type of Agency Interest:** RETAIL-Other Retail Trade (44-45)

**Agency Interest Contact:**

**Title:**

**Phone:**

**Purpose:** Field Inspection Followup

**Inspection Type:** UST CSE TCI

**Inspection Date:** 06/05/2012

**Start Time:** 09:30 AM

**End Time:** 09:45 AM

**Latitude:** 38.16904000

**Longitude:** -83.26593000

**Coordinate Collection Method:**Decimal Degrees

**Incident ID(s):**

**General Comments:**

This is a follow-up inspection to DWMCEI021712-TCI. A field visit was not required to complete this inspection. On this date all of the remedial measures outlined in DWMNOV022212 have been completed.

An FOB sufficient at this time letter will be mailed to this facility.

A detailed summary of this inspection may be found in the checklist portion of this report.

**Person(s) Interviewed:**

Name	Organization
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Status/Comments:

**GINSI**

Requirement	Status	Results or Comments
Is the facility in compliance with all corrosion protection testing requirements?. [401 KAR 42:030]	N	All four of the underground storage tank (UST) systems at this facility were permanently closed on May 29th and 30th. See DWMCEI 052912-Closure for closure details.
Is the facility in compliance with all spill prevention requirements?. [401 KAR 42:030]	N	All four of the underground storage tank (UST) systems at this facility were permanently closed on May 29th and 30th. See DWMCEI 052912-Closure for closure details.
Corrosion Protection Testing: Has a cathodic protection test been performed as required? Indicate date of last testing. [401 KAR 42:030 Section 7(1)]	N	All four of the underground storage tank (UST) systems at this facility were permanently closed on May 29th and 30th. See DWMCEI 052912-Closure for closure details.
Corrosion Protection--Impressed Current: If an impressed current system is installed, is the system inspected every 60 days and the readings recorded on DEP 8054? Are at least 3 years of inspections recorded?. [401 KAR 42:030 Section 7(5)(a-b)]	N	All four of the underground storage tank (UST) systems at this facility were permanently closed on May 29th and 30th. See DWMCEI 052912-Closure for closure details.
Temporary Closure: Are the temporary closure requirements met?. [401 KAR 42:070 Section 2]	N	All four of the underground storage tank (UST) systems at this facility were permanently closed on May 29th and 30th. See DWMCEI 052912-Closure for closure details.

**Investigator:**

**Title:**

**Date:**

- ☒ N - N-Not Applicable  
☐ E - E-Not Evaluated  
☐ V - V-Out of Compliance-NOV  
☐ C - C-No Violations observed  
☐ I - I-No Violations obs-but impending viol trends obs  
☐ D - D-Out of Compliance-Violations Documented  
☐ O - O-Out of Comp-LOW non-recurrent Adm. or O&M

**Received By:**

**Title:**

**Date:**

**Delivery Method:**

SOIL TECH LLC  
189 PIKE FLOYD HOLLOW  
BETSY LAYNE, KY. 41605  
606-434-1896

UST NOV06'09 PM 2:02

RE: TRENTS GROCERY  
9375 HOGTOWN HILL  
MOREHEAD, KY. 40351

AI# 58129

DATE: 11-4-09

#### CLOSURE REPORT

THREE UST SYSTEMS WERE REMOVED FROM THIS FACILITY ON 9-23-09. THE TANKS WERE REMOVED BY DAVID STAMPER, HIS LUG NUMBER IS 0009238. TWO TANKS WERE 2000 GALLONS IN SIZE, THE THIRD WAS 1000 GALLONS, EACH TANK WAS IN GOOD CONDITION. A NEW REGISTRATION FORM HAS BEEN SUBMITTED AFTER DISCOVERY OF DIESEL FUEL BEING SOLD FROM TANK #3. THE TANKS WERE CUT AND CLEANED ON SITE AND THEN TRANSPORTED TO WINCHESTER, KY. BY THE NEW OWNER. THE TANK BILL OF SALE IS ATTACHED. FIFTY-FIVE GALLONS OF TANK CONTENTS WERE VACUUMED FROM THE TANKS AND TRANSPORTED TO WASTE WATER RECYCLERS IN MT. STERLING, KY.

SEVEN SOIL SAMPLES WERE COLLECTED AND ANALYZED FOR BTEX AND PAH CONSTITUTENTS. SOIL SAMPLES WERE PLACED IN APPROPRIATE CONTAINERS PLACED ON ICE AND SHIPPED OVERNIGHT TO THE LAB. A SITE SAMPLING MAP IS ATTACHED DEPICTING SAMPLING LOCATIONS. LAB ANALYZES REVEAL THAT SAMPLES FOUR AND SIX WERE SLIGHTLY ABOVE ALLOWABLE LEVELS. COMPLETION OF THE CLASS GUIDE SETS THE ALLOWABLE LEVELS ACCORDING TO CLASS THREE-SOIL MATRIX 1. PLEASE SEE ATTACHED CLASS GUIDE AND CLOSURE ASSESSMENT REPORT.

THE KENTUCKY EMERGENCY MANAGEMENT AGENCY WAS NOTIFIED ABOUT THE RELEASE, THIS RESULTED IN THE ISSUANCE OF AN ERT RELEASE NUMBER. FOR THE FACILITY, THE RELEASE NUMBER IS # 230677

THE EXCAVATED SOIL WAS RETURNED TO THE PIT WITH THE ADDITION OF FORTY TONS OF GRAVEL.



ATTACHED WITH THE REPORT ARE THE FOLLOWING:

1. SITE MAP
2. C.O.C./ANALYSIS
3. CLOSURE ASSESSMENT REPORT
4. CLASS GUIDE
5. WASTE MANIFEST
6. TANK BILL OF SALE
7. NEW REGISTRATION FORM

THIS SITE WILL REQUIRE ADDITIONAL ASSESSMENT ON THE WEST WALL.

PLEASE CONTACT ME IF ADDITIONAL INFORMATION IS REQUIRED.

SINCERELY:

  
\_\_\_\_\_  
GLENN M. BLACKBURN



## CLOSURE ASSESSMENT REPORT



KENTUCKY  
DEPARTMENT  
FOR  
ENVIRONMENTAL  
PROTECTION

Return Completed Form To:  
Division of Waste Management  
Underground Storage Tank Branch  
81 C. Michael Davenport Blvd.  
Frankfort, KY 40601  
502-564-5981 or 800-928-7782

STATE USE ONLY

LIST NOV06'09 PM 2:02

Complete and return this form with all requested information within ninety (90) days of underground storage tank system closure.

KENDALL TRENT  
OWNER NAME

58129  
AGENCY INTEREST NUMBER

9277 Hogtown Hill  
MAILING ADDRESS

TRENTS Grocery  
SITE NAME

Morehead Ky 40351  
CITY STATE ZIP CODE

9357 Hogtown Hill  
STREET, COUNTY ROAD, HIGHWAY, OR STATE ROAD

Roger TRENT  
CONTACT PERSON

Morehead Ky 40351  
CITY STATE ZIP CODE

606-784-7312  
AREA CODE/TELEPHONE NUMBER

Rowan  
COUNTY

## TANK SYSTEM INFORMATION

☒ UST Systems Permanently Closed  
☐ Piping Only Permanently Closed

☒ Removed from Ground ☐ Closed in Place

Date: (mm/dd/yy) 9/23/09

Contractor who Permanently Closed Tank System: David Stamper Certified Remover # 0009238

## CLOSURE INFORMATION REQUESTED

## EXCAVATION CONDITION

PIT NUMBER	TANK NUMBER	SIZE IN GALLONS	DATE INSTALLED	LIST ALL CONTENTS EVER STORED IN TANK AND PIPING SYSTEM	PREVIOUSLY REGISTERED TANK		FREE PRODUCT		NOTABLE ODOR		VISIBLE SOIL CONTAMINATION	
					YES	NO	YES	NO	YES	NO	YES	NO
1	1	2000	6-1-70	GAS	/			/				/
	2	2000	11	GAS	/			/				/
	3	1000	11	Diesel	/			/				/

## CERTIFICATION

I, the undersigned, under penalty of law, and in accordance with the provisions of KRS Chapter 322 or KRS Chapter 322A, as appropriate, hereby certify that the information submitted herewith, including all attached documents, is true, accurate, and complete. KRS 22A.99-010(4) provides for penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE AND SEAL OF LICENSED PROFESSIONAL ENGINEER OR REGISTERED PROFESSIONAL GEOLOGIST: Glenn Blackburn DATE  
SIGNED: 10-29-09

SEAL

NAME AND TITLE: Glenn Blackburn

REGISTRATION # AND DATE: Ky-0362  
4-21-93



## CLOSURE ASSESSMENT REPORT, PAGE TWO

DEP8055/08/06

SITE NAME: Trents Grocery AGENCY INTEREST # 58129TANK# 1 PTT# 1 Tank contents present at time of closure activities: YES ☐ NO ☒ Volume in gallons: 12Method of Tank Contents Removal: VACUUMDisposal location: WASTE WATER RECYCLERS Receipt: YES ☐ NO ☒Residual Tank Materials: YES ☐ NO ☒ Analyzed for TCLP: YES ☐ NO ☒ Declared Hazardous: YES ☐ NO ☒Analytical Method(s): \_\_\_\_\_ COC \_\_\_\_\_ Volume in gallons: 0

Disposal Location: \_\_\_\_\_

EPA ID# \_\_\_\_\_ Receipt or Manifest signed by a representative of receiving facility: YES ☐ NO ☒Cleaning liquids/materials: YES ☐ NO ☒ Analyzed for TCLP: YES ☐ NO ☒ Declared Hazardous: YES ☐ NO ☒Analytical Method(s): \_\_\_\_\_ COC \_\_\_\_\_ Volume in gallons: 0

Disposal Location: \_\_\_\_\_ EPA ID# \_\_\_\_\_

Residual tank material combined with cleaning liquid/materials for disposal check here YES ☐ NO ☒ Manifest signed by a representative of receiving facility:YES ☐ NO ☒Disposal location for tank and/or piping: Ky. Petroleum Supply For closed in place, inert material used to fill tank and/or piping \_\_\_\_\_Receipt: YES ☐ NO ☒ Describe condition of tank and/or piping: GOODTANK# 2 PTT# 1 Tank contents present at time of closure activities: YES ☐ NO ☒ Volume in gallons: 23Method of Tank Contents Removal: VACUUMDisposal location: WASTE WATER RECYCLERS Receipt: YES ☐ NO ☒Residual Tank Materials: YES ☐ NO ☒ Analyzed for TCLP: YES ☐ NO ☒ Declared Hazardous: YES ☐ NO ☒Analytical Method(s): \_\_\_\_\_ COC \_\_\_\_\_ Volume in gallons: 0

Disposal Location: \_\_\_\_\_

EPA ID# \_\_\_\_\_ Receipt or Manifest signed by a representative of receiving facility: YES ☐ NO ☒Cleaning liquids/materials: YES ☐ NO ☒ Analyzed for TCLP: YES ☐ NO ☒ Declared Hazardous: YES ☐ NO ☒Analytical Method(s): \_\_\_\_\_ COC \_\_\_\_\_ Volume in gallons: 0

Disposal Location: \_\_\_\_\_ EPA ID# \_\_\_\_\_

Residual tank material combined with cleaning liquid/materials for disposal check here YES ☐ NO ☒Manifest signed by a representative of receiving facility: YES ☐ NO ☒Disposal location for tank and/or piping: Ky. Petr. Supply For closed in place, inert material used to fill tank and/or piping \_\_\_\_\_Receipt: YES ☐ NO ☒ Describe condition of tank and/or piping: GOODTANK# 3 PTT# 1 Tank contents present at time of closure activities: YES ☐ NO ☒ Volume in gallons: 20Method of Tank Contents Removal: VACUUMDisposal location: WASTE WATER RECYCLERS Receipt: YES ☐ NO ☒Residual Tank Materials: YES ☐ NO ☒ Analyzed for TCLP: YES ☐ NO ☒ Declared Hazardous: YES ☐ NO ☒Analytical Method(s): \_\_\_\_\_ COC \_\_\_\_\_ Volume in gallons: 0

Disposal Location: \_\_\_\_\_

EPA ID# \_\_\_\_\_ Receipt or Manifest signed by a representative of receiving facility: YES ☐ NO ☒Cleaning liquids/materials: YES ☐ NO ☒ Analyzed for TCLP: YES ☐ NO ☒ Declared Hazardous: YES ☐ NO ☒Analytical Method(s): \_\_\_\_\_ COC \_\_\_\_\_ Volume in gallons: 0

Disposal Location: \_\_\_\_\_ EPA ID# \_\_\_\_\_

Residual tank material combined with cleaning liquid/materials for disposal check here YES ☐ NO ☒Manifest signed by a representative of receiving facility: YES ☐ NO ☒Disposal location for tank and/or piping: Ky. Petro. Supply For closed in place, inert material used to fill tank and/or piping \_\_\_\_\_Receipt: YES ☐ NO ☒ Describe condition of tank and/or piping: \_\_\_\_\_



DEP8055/08/06

AGENCY INTEREST# 58129 SITE NAME: TRENTS Grocery PIT # 1

Disposal location for soils:                      Amount of soils disposed (yds<sup>3</sup> or tons):                     

Receipt/Manifest: YES NO ☒ List all regulated substances ever stored in tanks or piping associated with this pit: GAS/Diesel

Was optional soil removal outside the excavation zone performed: YES NO ☒

IN COLUMNS, PROVIDE ACTUAL ANALYSIS RESULT FOR WALLS, BOTTOM, PIPING TRENCH, BACKGROUND AND EXCAVATED MATERIAL SAMPLES FOR THE MOST RECENT SAMPLING DATE:

[illegible]

**CLOSURE ASSESSMENT REPORT, PAGE FOUR**      DEP8055/08/06

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AGENCY INTEREST# 58129      SITE NAME: Trents Grocery      PIT # 1

Analytical Method(s) for Soil Analysis: 8021B/8270C      Class III      Table or Matrix I

ALLOWABLE SOIL LEVELS	B	T	E	X	C-PAH	B(a)A	N-PAH	NAP	Cb	LEAD
PPM	Z	18	30	50	0.3	0.15	10	5.0	15	—

If Class IV: Depth to groundwater: \_\_\_\_\_ Distance to receptors: \_\_\_\_\_ Soil Type: \_\_\_\_\_

Depth to Bedrock: \_\_\_\_\_ Pit Dimensions: \_\_\_\_\_  
 Groundwater in excavation: YES \_\_\_\_\_ NO \_\_\_\_\_ Other water in excavation: YES \_\_\_\_\_ NO \_\_\_\_\_ Description: \_\_\_\_\_  
 Downgradient groundwater sampling required: YES \_\_\_\_\_ NO \_\_\_\_\_ Domestic-use water sources within a 300-meter radius: YES \_\_\_\_\_ NO \_\_\_\_\_

**COMPLETE THE FOLLOWING INFORMATION FOR ALL GROUNDWATER OR PIT WATER ANALYZED.**

SAMPLING LOCATION	B	T	E	X	C-PAH	N-PAH	LEAD	NAP	MTBE	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED	DATE EXTRACTED
DOWNGRADENT GROUNDWATER													
PIT WATER													
DOMESTIC-USE WATER SOURCE													

Name of Certified Monitor Well Driller: \_\_\_\_\_ Certified Driller # \_\_\_\_\_

Analytical Method(s) for Water Analysis: \_\_\_\_\_

ALLOWABLE GROUNDWATER LEVELS	B	T	E	X	C-PAH	N-PAH	LEAD	NAP

Disposal location for water: \_\_\_\_\_ Receipt: YES \_\_\_\_\_ NO \_\_\_\_\_ Permit: YES \_\_\_\_\_ NO \_\_\_\_\_  
 If not disposed, explain: \_\_\_\_\_



**Soil Tech**  
**189 Pike Floyd Hollow**  
**Betsy Layne, KY 41605**

Alternate billing information:  
 PO Box 4157  
 Winchester, KY 40392

Report to: Glenn M. Blackburn

Email to: glennblackburn55@hotmail.com

Project Description: **Trents Grocery**

Phone: 806-434-1896

FAX:

Client Project #: **Trents Grocery**

Site/Facility ID#: **58129**

Collected by: **Glenn Blackburn**

Collected by (signature): *Glenn Blackburn*

Packed on Ice: **N** (Y)

ESC Key:

P.O.#:

Date Results Needed:

Same Day.....200%  
 Next Day.....100%  
 Two Day.....50%  
 Three Day.....25%

Depth

Matrix\*

Comp/Grab

Sample ID

Date

Time

No. of Conts

Remarks/Contaminant

Sample # (lab only)

ColCode Soilwork (lab use only)

Temp/site/altitude

Shipped Via

Chain of Custody Page 1 of 1

D113

**ENVIRONMENTAL SCIENCE CORP.**

12065 Lebanon Road

Mt. Juliet, TN 37122

Phone (615) 758-5858

Phone (800) 767-5859

FAX (615) 758-5859

\*Matrix SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_

Other \_\_\_\_\_

8648503411730w

Relinquished by: (Signature) <i>Glenn Blackburn</i>	Date: 9-24-09	Time: 5:36	Received by: (Signature) <i>[Signature]</i>	Date: _____	Time: _____	Samples returned via: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: (lab use only)
Relinquished by: (Signature) <i>[Signature]</i>	Date: _____	Time: _____	Received by: (Signature) <i>[Signature]</i>	Date: _____	Time: _____	Temp: 25°C	Bottles Received: 7-402
Relinquished by: (Signature) <i>[Signature]</i>	Date: _____	Time: _____	Received by: (Signature) <i>[Signature]</i>	Date: 9/25/09	Time: 0900	Temp: 25°C	Time: 7-402



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Mr. Glenn M. Blackburn  
Soil Tech-R  
189 Pike Floyd Hollow

Betsy Layne, KY 41605

Report Summary

Sunday October 04, 2009

Report Number: L424059

Samples Received: 09/25/09

Client Project: TRENTS GROCERY

Description: Trents Grocery

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

*Alan Harvill*  
T. Alan Harvill, ESC Representative

**Laboratory Certification Numbers**

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487  
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140  
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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7 Samples Reported: 10/04/09 14:59 Printed: 10/04/09 14:59

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## REPORT OF ANALYSIS

Mr. Glenn M. Blackburn  
Soil Tech-R  
189 Pike Floyd Hollow  
Betsy Layne, KY 41605

October 04, 2009

Date Received : September 25, 2009  
Description : Trents Grocery

ESC Sample # : L424059-01

Sample ID : SAMPLE 1 1-10 FT

Site ID : 58129

Collected By : Glenn Blackburn  
Collection Date : 09/23/09 11:31

Project # : TRENTS GROCERY

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.0025	mg/kg	8021B	09/27/09	5
Toluene	BDL	0.025	mg/kg	8021B	09/27/09	5
Ethylbenzene	BDL	0.0025	mg/kg	8021B	09/27/09	5
Total Xylene	BDL	0.0075	mg/kg	8021B	09/27/09	5
Surrogate Recovery (%)						
a,a,a-Trifluorotoluene (PID)	99.2		% Rec.	8021B	09/27/09	5
Polynuclear Aromatic Hydrocarbons						
Extraction Date	10/01/09			8270C	10/02/09	1
Carcinogenic PAH						
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	10/02/09	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	10/02/09	1
Benzo(b)fluoranthene	0.037	0.033	mg/kg	8270C	10/02/09	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	10/02/09	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	10/02/09	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	10/02/09	1
NonCarcinogenic PAH						
Acenaphthene	BDL	0.033	mg/kg	8270C	10/02/09	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	10/02/09	1
Anthracene	BDL	0.033	mg/kg	8270C	10/02/09	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	10/02/09	1
Fluoranthene	0.044	0.033	mg/kg	8270C	10/02/09	1
Fluorene	BDL	0.033	mg/kg	8270C	10/02/09	1
Phenanthrene	BDL	0.033	mg/kg	8270C	10/02/09	1
Pyrene	BDL	0.033	mg/kg	8270C	10/02/09	1
Other PAH						
Chrysene	BDL	0.033	mg/kg	8270C	10/02/09	1
Naphthalene	BDL	0.033	mg/kg	8270C	10/02/09	1
Surrogate Recovery						
Nitrobenzene-d5	41.4		% Rec.	8270C	10/02/09	1
2-Fluorobiphenyl	42.3		% Rec.	8270C	10/02/09	1
p-Terphenyl-d14	29.5		% Rec.	8270C	10/02/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

Mr. Glenn M. Blackburn  
Soil Tech-R  
189 Pike Floyd Hollow  
Betsy Layne, KY 41605

October 04, 2009

Date Received : September 25, 2009  
Description : Trents Grocery

ESC Sample # : L424059-02

Sample ID : SAMPLE 2 1-10 FT

Site ID : 58129

Collected By : Glenn Blackburn  
Collection Date : 09/23/09 11:40

Project # : TRENTS GROCERY

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.0025	mg/kg	8021B	09/27/09	5
Toluene	BDL	0.025	mg/kg	8021B	09/27/09	5
Ethylbenzene	BDL	0.0025	mg/kg	8021B	09/27/09	5
Total Xylene	BDL	0.0075	mg/kg	8021B	09/27/09	5
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene (PID)	101.		% Rec.	8021B	09/27/09	5
Polynuclear Aromatic Hydrocarbons						
Extraction Date	10/01/09			8270C	10/02/09	1
Carcinogenic PAH						
Benzo(a)anthracene	0.069	0.033	mg/kg	8270C	10/02/09	1
Benzo(a)pyrene	0.068	0.033	mg/kg	8270C	10/02/09	1
Benzo(b)fluoranthene	0.11	0.033	mg/kg	8270C	10/02/09	1
Benzo(k)fluoranthene	0.047	0.033	mg/kg	8270C	10/02/09	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	10/02/09	1
Indeno(1,2,3-cd)pyrene	0.034	0.033	mg/kg	8270C	10/02/09	1
NonCarcinogenic PAH						
Acenaphthene	BDL	0.033	mg/kg	8270C	10/02/09	1
Acenaphthylene	0.041	0.033	mg/kg	8270C	10/02/09	1
Anthracene	BDL	0.033	mg/kg	8270C	10/02/09	1
Benzo(g,h,i)perylene	0.046	0.033	mg/kg	8270C	10/02/09	1
Fluoranthene	0.14	0.033	mg/kg	8270C	10/02/09	1
Fluorene	BDL	0.033	mg/kg	8270C	10/02/09	1
Phenanthrene	0.036	0.033	mg/kg	8270C	10/02/09	1
Pyrene	0.079	0.033	mg/kg	8270C	10/02/09	1
Other PAH						
Chrysene	0.057	0.033	mg/kg	8270C	10/02/09	1
Naphthalene	BDL	0.033	mg/kg	8270C	10/02/09	1
Surrogate Recovery						
Nitrobenzene-d5	56.4		% Rec.	8270C	10/02/09	1
2-Fluorobiphenyl	52.2		% Rec.	8270C	10/02/09	1
p-Terphenyl-d14	30.6		% Rec.	8270C	10/02/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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## REPORT OF ANALYSIS

Mr. Glenn M. Blackburn  
Soil Tech-R  
189 Pike Floyd Hollow  
Betsy Layne, KY 41605

October 04, 2009

Date Received : September 25, 2009  
Description : Trents Grocery  
Sample ID : SAMPLE 3 1-10 FT  
Collected By : Glenn Blackburn  
Collection Date : 09/23/09 11:44

ESC Sample # : L424059-03  
Site ID : 58129  
Project # : TRENTS GROCERY

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.0025	mg/kg	8021B	09/27/09	5
Toluene	BDL	0.025	mg/kg	8021B	09/27/09	5
Ethylbenzene	BDL	0.0025	mg/kg	8021B	09/27/09	5
Total Xylene	BDL	0.0075	mg/kg	8021B	09/27/09	5
Surrogate Recovery(%) a,a,a-Trifluorotoluene (PID)	99.6		% Rec.	8021B	09/27/09	5
Polynuclear Aromatic Hydrocarbons						
Extraction Date	10/01/09			8270C	10/02/09	1
Carcinogenic PAH						
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	10/02/09	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	10/02/09	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	10/02/09	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	10/02/09	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	10/02/09	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	10/02/09	1
NonCarcinogenic PAH						
Acenaphthene	BDL	0.033	mg/kg	8270C	10/02/09	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	10/02/09	1
Anthracene	BDL	0.033	mg/kg	8270C	10/02/09	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	10/02/09	1
Fluoranthene	BDL	0.033	mg/kg	8270C	10/02/09	1
Fluorene	BDL	0.033	mg/kg	8270C	10/02/09	1
Phenanthrene	BDL	0.033	mg/kg	8270C	10/02/09	1
Pyrene	BDL	0.033	mg/kg	8270C	10/02/09	1
Other PAH						
Chrysene	BDL	0.033	mg/kg	8270C	10/02/09	1
Naphthalene	BDL	0.033	mg/kg	8270C	10/02/09	1
Surrogate Recovery						
Nitrobenzene-d5	51.0		% Rec.	8270C	10/02/09	1
2-Fluorobiphenyl	57.3		% Rec.	8270C	10/02/09	1
p-Terphenyl-d14	36.8		% Rec.	8270C	10/02/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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## REPORT OF ANALYSIS

Mr. Glenn M. Blackburn  
Soil Tech-R  
189 Pike Floyd Hollow  
Betsy Layne, KY 41605

October 04, 2009

Date Received : September 25, 2009  
Description : Trents Grocery  
Sample ID : SAMPLE 4 1-10 FT  
Collected By : Glenn Blackburn  
Collection Date : 09/23/09 11:50

ESC Sample # : L424059-04

Site ID : 58129

Project # : TRENTS GROCERY

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.0025	mg/kg	8021B	09/27/09	5
Toluene	BDL	0.025	mg/kg	8021B	09/27/09	5
Ethylbenzene	BDL	0.0025	mg/kg	8021B	09/27/09	5
Total Xylene	BDL	0.0075	mg/kg	8021B	09/27/09	5
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene (PID)	100.		% Rec.	8021B	09/27/09	5
Polynuclear Aromatic Hydrocarbons						
Extraction Date	10/01/09			8270C	10/02/09	1
Carcinogenic PAH						
Benzo(a)anthracene	0.18	0.033	mg/kg	8270C	10/02/09	1
Benzo(a)pyrene	0.19	0.033	mg/kg	8270C	10/02/09	1
Benzo(b)fluoranthene	0.25	0.033	mg/kg	8270C	10/02/09	1
Benzo(k)fluoranthene	0.13	0.033	mg/kg	8270C	10/02/09	1
Dibenz(a,h)anthracene	0.034	0.033	mg/kg	8270C	10/02/09	1
Indeno(1,2,3-cd)pyrene	0.12	0.033	mg/kg	8270C	10/02/09	1
NonCarcinogenic PAH						
Acenaphthene	BDL	0.033	mg/kg	8270C	10/02/09	1
Acenaphthylene	0.088	0.033	mg/kg	8270C	10/02/09	1
Anthracene	0.040	0.033	mg/kg	8270C	10/02/09	1
Benzo(g,h,i)perylene	0.14	0.033	mg/kg	8270C	10/02/09	1
Fluoranthene	0.31	0.033	mg/kg	8270C	10/02/09	1
Fluorene	BDL	0.033	mg/kg	8270C	10/02/09	1
Phenanthrene	0.062	0.033	mg/kg	8270C	10/02/09	1
Pyrene	0.20	0.033	mg/kg	8270C	10/02/09	1
Other PAH						
Chrysene	0.12	0.033	mg/kg	8270C	10/02/09	1
Naphthalene	BDL	0.033	mg/kg	8270C	10/02/09	1
Surrogate Recovery						
Nitrobenzene-d5	46.2		% Rec.	8270C	10/02/09	1
2-Fluorobiphenyl	50.2		% Rec.	8270C	10/02/09	1
p-Terphenyl-d14	30.7		% Rec.	8270C	10/02/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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## REPORT OF ANALYSIS

Mr. Glenn M. Blackburn  
Soil Tech-R  
189 Pike Floyd Hollow  
Betsy Layne, KY 41605

October 04, 2009

Date Received : September 25, 2009  
Description : Trents Grocery  
Sample ID : BOTTOM 5 10 FT  
Collected By : Glenn Blackburn  
Collection Date : 09/23/09 11:54

ESC Sample # : L424059-05

Site ID : 58129

Project # : TRENTS GROCERY

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.0025	mg/kg	8021B	09/27/09	5
Toluene	BDL	0.025	mg/kg	8021B	09/27/09	5
Ethylbenzene	BDL	0.0025	mg/kg	8021B	09/27/09	5
Total Xylene	BDL	0.0075	mg/kg	8021B	09/27/09	5
Surrogate Recovery(%) a,a,a-Trifluorotoluene (PID)	100.		% Rec.	8021B	09/27/09	5
Polynuclear Aromatic Hydrocarbons						
Extraction Date	10/01/09			8270C	10/02/09	1
Carcinogenic PAH						
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	10/02/09	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	10/02/09	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	10/02/09	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	10/02/09	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	10/02/09	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	10/02/09	1
NonCarcinogenic PAH						
Acenaphthene	BDL	0.033	mg/kg	8270C	10/02/09	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	10/02/09	1
Anthracene	BDL	0.033	mg/kg	8270C	10/02/09	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	10/02/09	1
Fluoranthene	BDL	0.033	mg/kg	8270C	10/02/09	1
Fluorene	BDL	0.033	mg/kg	8270C	10/02/09	1
Phenanthrene	BDL	0.033	mg/kg	8270C	10/02/09	1
Pyrene	BDL	0.033	mg/kg	8270C	10/02/09	1
Other PAH						
Chrysene	BDL	0.033	mg/kg	8270C	10/02/09	1
Naphthalene	BDL	0.033	mg/kg	8270C	10/02/09	1
Surrogate Recovery						
Nitrobenzene-d5	46.8		% Rec.	8270C	10/02/09	1
2-Fluorobiphenyl	56.4		% Rec.	8270C	10/02/09	1
p-Terphenyl-d14	49.7		% Rec.	8270C	10/02/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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## REPORT OF ANALYSIS

October 04, 2009

Mr. Glenn M. Blackburn  
Soil Tech-R  
189 Pike Floyd Hollow  
Betsy Layne, KY 41605

Date Received : September 25, 2009  
Description : Trents Grocery  
Sample ID : LINE 6 1-3 FT  
Collected By : Glenn Blackburn  
Collection Date : 09/23/09 12:24

ESC Sample # : I424059-06

Site ID : 58129

Project # : TRENTS GROCERY

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.095	0.025	mg/kg	8021B	09/30/09	50
Toluene	0.58	0.25	mg/kg	8021B	09/30/09	50
Ethylbenzene	1.1	0.025	mg/kg	8021B	09/30/09	50
Total Xylene	6.8	0.075	mg/kg	8021B	09/30/09	50
Surrogate Recovery(%) a,a,a-Trifluorotoluene (PID)	98.4		% Rec.	8021B	09/30/09	50
Polynuclear Aromatic Hydrocarbons						
Extraction Date	10/01/09			8270C	10/02/09	1
Carcinogenic PAH						
Benzo(a)anthracene	0.16	0.033	mg/kg	8270C	10/02/09	1
Benzo(a)pyrene	0.18	0.033	mg/kg	8270C	10/02/09	1
Benzo(b)fluoranthene	0.33	0.033	mg/kg	8270C	10/02/09	1
Benzo(k)fluoranthene	0.12	0.033	mg/kg	8270C	10/02/09	1
Dibenz(a,h)anthracene	0.042	0.033	mg/kg	8270C	10/02/09	1
Indeno(1,2,3-cd)pyrene	0.11	0.033	mg/kg	8270C	10/02/09	1
NonCarcinogenic PAH						
Acenaphthene	BDL	0.033	mg/kg	8270C	10/02/09	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	10/02/09	1
Anthracene	BDL	0.033	mg/kg	8270C	10/02/09	1
Benzo(g,h,i)perylene	0.12	0.033	mg/kg	8270C	10/02/09	1
Fluoranthene	0.13	0.033	mg/kg	8270C	10/02/09	1
Fluorene	BDL	0.033	mg/kg	8270C	10/02/09	1
Phenanthrene	0.048	0.033	mg/kg	8270C	10/02/09	1
Pyrene	0.18	0.033	mg/kg	8270C	10/02/09	1
Other PAH						
Chrysene	0.11	0.033	mg/kg	8270C	10/02/09	1
Naphthalene	1.6	0.033	mg/kg	8270C	10/02/09	1
Surrogate Recovery						
Nitrobenzene-d5	50.0		% Rec.	8270C	10/02/09	1
2-Fluorobiphenyl	56.1		% Rec.	8270C	10/02/09	1
p-Terphenyl-d14	38.1		% Rec.	8270C	10/02/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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## REPORT OF ANALYSIS

October 04, 2009

Mr. Glenn M. Blackburn  
Soil Tech-R  
189 Pike Floyd Hollow  
Betsy Layne, KY 41605

Date Received : September 25, 2009  
Description : Trents Grocery  
Sample ID : EXCAV 7 1-3 FT  
Collected By : Glenn Blackburn  
Collection Date : 09/23/09 12:30

ESC Sample # : L424059-07

Site ID : 58129

Project # : TRENTS GROCERY

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.0025	mg/kg	8021B	09/30/09	5
Toluene	BDL	0.025	mg/kg	8021B	09/30/09	5
Ethylbenzene	BDL	0.0025	mg/kg	8021B	09/30/09	5
Total Xylene	BDL	0.0075	mg/kg	8021B	09/30/09	5
Surrogate Recovery(%) a,a,a-Trifluorotoluene (PID)	97.4		% Rec.	8021B	09/30/09	5
Polynuclear Aromatic Hydrocarbons Extraction Date	10/01/09			8270C	10/02/09	1
Carcinogenic PAH						
Benzo(a)anthracene	0.070	0.033	mg/kg	8270C	10/02/09	1
Benzo(a)pyrene	0.11	0.033	mg/kg	8270C	10/02/09	1
Benzo(b)fluoranthene	0.14	0.033	mg/kg	8270C	10/02/09	1
Benzo(k)fluoranthene	0.038	0.033	mg/kg	8270C	10/02/09	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	10/02/09	1
Indeno(1,2,3-cd)pyrene	0.10	0.033	mg/kg	8270C	10/02/09	1
NonCarcinogenic PAH						
Acenaphthene	BDL	0.033	mg/kg	8270C	10/02/09	1
Acenaphthylene	0.066	0.033	mg/kg	8270C	10/02/09	1
Anthracene	BDL	0.033	mg/kg	8270C	10/02/09	1
Benzo(g,h,i)perylene	0.19	0.033	mg/kg	8270C	10/02/09	1
Fluoranthene	0.10	0.033	mg/kg	8270C	10/02/09	1
Fluorene	BDL	0.033	mg/kg	8270C	10/02/09	1
Phenanthrene	0.039	0.033	mg/kg	8270C	10/02/09	1
Pyrene	0.089	0.033	mg/kg	8270C	10/02/09	1
Other PAH						
Chrysene	0.049	0.033	mg/kg	8270C	10/02/09	1
Naphthalene	BDL	0.033	mg/kg	8270C	10/02/09	1
Surrogate Recovery						
Nitrobenzene-d5	61.9		% Rec.	8270C	10/02/09	1
2-Fluorobiphenyl	46.5		% Rec.	8270C	10/02/09	1
p-Terphenyl-d14	30.2		% Rec.	8270C	10/02/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/04/09 14:59 Printed: 10/04/09 14:59

Page 8 of 10

Attachment A  
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L424059-01	WG443511	SAMP	p-Terphenyl-d14	R929849	J2
L424059-02	WG443511	SAMP	p-Terphenyl-d14	R929849	J2
L424059-04	WG443511	SAMP	p-Terphenyl-d14	R929849	J2
L424059-06	WG443511	SAMP	Naphthalene	R929849	E
L424059-07	WG443511	SAMP	p-Terphenyl-d14	R929849	J2



Attachment B  
Explanation of QC Qualifier Codes

Qualifier	Meaning
E	GTL (EPA) - Greater than upper calibration limit: Actual value is known to be greater than the upper calibration range.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAP. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed  
10/04/09 at 14:59:51

TSR Signing Reports: 364  
R5 - Desired TAT

Use this account only if "R" is marked in alternate bill section of COC, or if template and P#  
were built using this cocode.

Sample: L424059-01 Account: SOILTECHR Received: 09/25/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/04/09 14:59  
Sample: L424059-02 Account: SOILTECHR Received: 09/25/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/04/09 14:59  
Sample: L424059-03 Account: SOILTECHR Received: 09/25/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/04/09 14:59  
Sample: L424059-04 Account: SOILTECHR Received: 09/25/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/04/09 14:59  
Sample: L424059-05 Account: SOILTECHR Received: 09/25/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/04/09 14:59  
Sample: L424059-06 Account: SOILTECHR Received: 09/25/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/04/09 14:59  
Sample: L424059-07 Account: SOILTECHR Received: 09/25/09 09:00 Due Date: 10/02/09 00:00 RPT Date: 10/04/09 14:59

TRENTS Grocery  
AI # 58129

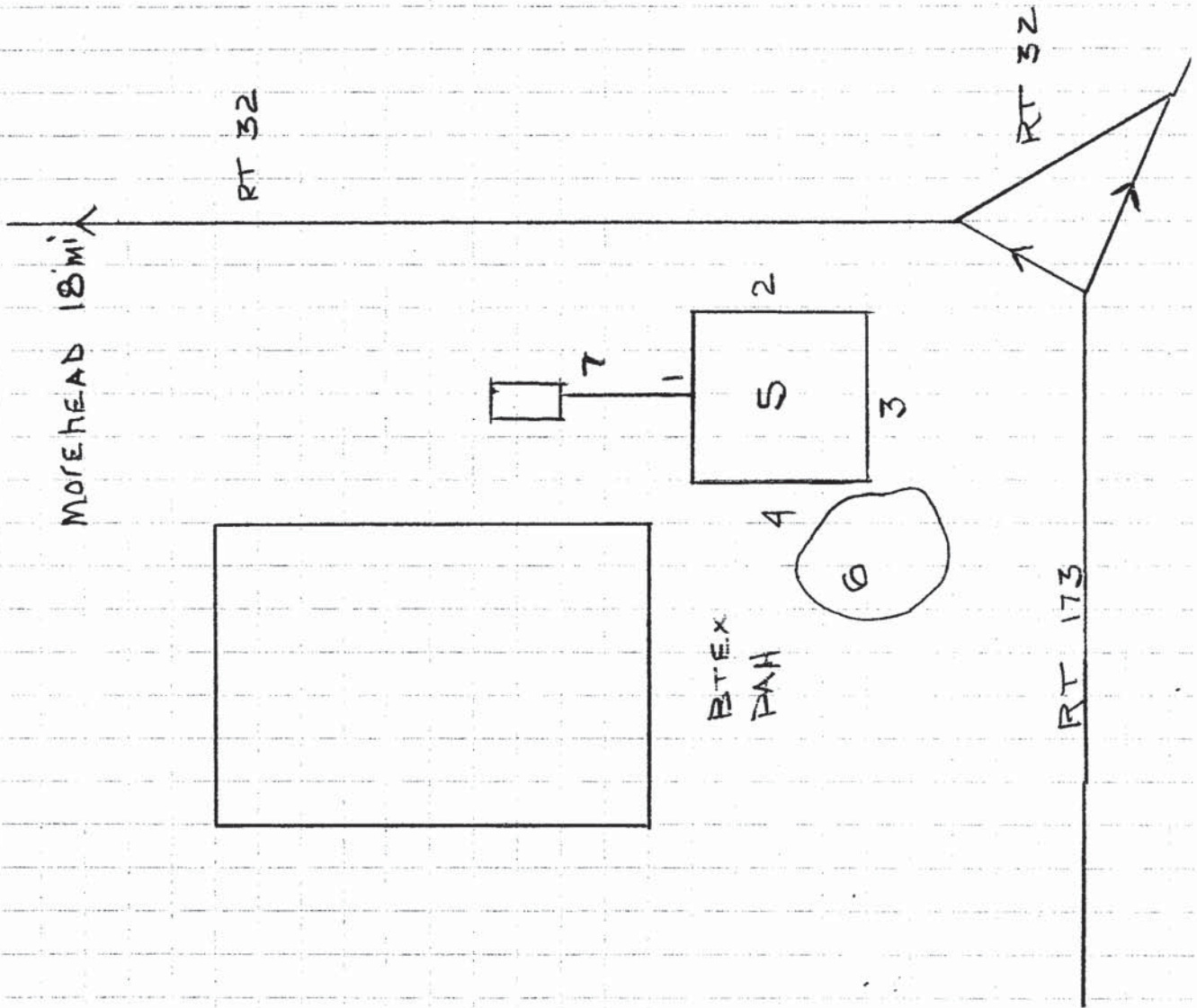
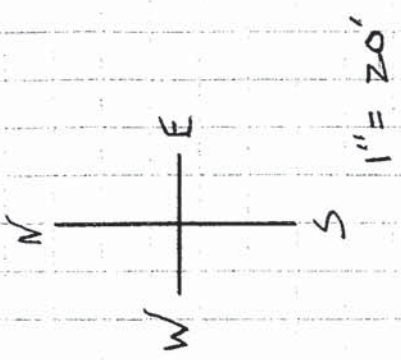




Figure D

Removed Underground Storage Tank(s) Bill of Sale

I, Ky Petroleum Supply acknowledge purchase of the following underground storage tank(s):

Tank #	Tank Size	Date Tank Removed	All Products Ever Stored in Tank(s)
2	2000	9-23-09	
1	1000	9-23-09	
	100' Piping		

The above referenced tank(s) was removed from the following facility:

Name Trents Bros.  
 Address 9357 Hwy 100 Hill  
Marion Ky 40351  
 UST Facility ID# 58129

The tank(s) will now be located at the following site:

Name Ky Petroleum Supply  
 Address 1225 Early Drive  
Winchester Ky 40392  
 Phone# 859-744-7778

The Intended use for the tank(s) is: Culverts

As the new tank(s) owner, I understand that I accept responsibility for the tank(s) and acknowledge that its use will be in compliance with regulatory requirements. I also understand that in accordance with API Recommended Practice 1604, removed underground storage tank(s) must not be used for subsequent storage of food or liquids intended for animal or human consumption. I understand that I may become a generator of hazardous waste if and when any remaining residues are removed from the underground storage tank(s).

New Owner Signature George Stamps Address   
 Printed Name George Stamps  
 Date Signed 9-25-09 Phone # 859-744-7778  
606-464-2654



<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
5. Generator's Name and Mailing Address <b>KPS 1225 Early Dr. Winchester, KY</b>			Generator's Site Address (if different than mailing address) <b>Trent Grocery Hog Ridge Rd. Morehead, KY</b>		
Generator's Phone:			U.S. EPA ID Number		
6. Transporter 1 Company Name <b>KPS</b>			U.S. EPA ID Number		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address <b>Wastewater Recyclers 1140 Levee Rd. Mt. Sterling, KY</b>			U.S. EPA ID Number		
Facility's Phone: <b>8594984043</b>					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt/Vol.
		No.	Type		
1. <b>Petroleum contam. WW (NH)</b>		<b>01</b>	<b>DR</b>	<b>55</b>	<b>G</b>
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information					
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Generator's/Officer's Printed/Typed Name <b>Trent Grocery</b>			Signature <i>[Signature]</i>		Month Day Year 
15. International Shipments: <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.			Port of entry/exit: Date leaving U.S.:		
Transporter Signature (for exports only):					
16. Transporter Acknowledgment of Receipt of Materials			Month Day Year		
Transporter 1 Printed/Typed Name			Signature <i>[Signature]</i>		Month Day Year <b>10 9 07</b>
Transporter 2 Printed/Typed Name			Signature <i>David Stumper</i>		Month Day Year <b>10 9 09</b>
17. Discrepancy					
17a. Discrepancy Indication Space: <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
Manifest Reference Number:					
17b. Alternate Facility (or Generator)			U.S. EPA ID Number		
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)			Month Day Year		
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a.					
Printed/Typed Name <b>No. Neises - WWR</b>			Signature <i>[Signature]</i>		Month Day Year <b>10 09 09</b>

**DESIGNATED FACILITY TO GENERATOR**



STEVEN L. BESHEAR  
GOVERNOR

**TOURISM, ARTS AND HERITAGE CABINET  
KENTUCKY HERITAGE COUNCIL**

BOB STEWART  
SECRETARY

THE STATE HISTORIC PRESERVATION OFFICE  
300 WASHINGTON STREET  
FRANKFORT, KENTUCKY 40601  
PHONE (502) 564-7005  
FAX (502) 564-5820  
[www.heritage.ky.gov](http://www.heritage.ky.gov)

CRAIG A. POTTS  
EXECUTIVE DIRECTOR AND  
STATE HISTORIC PRESERVATION OFFICER

August 27, 2013

Mr. David Waldner, P. E., Director  
Division of Environmental Analysis  
Kentucky Transportation Cabinet  
200 Mero Street  
Frankfort, KY 40622

**Re: *Phase I Archaeological Survey of the KY 32 Improvement, – Rowan and Elliott Counties, Kentucky* by  
Jonathan Stoik and Christa M. Haag of URS**

**KYTC Item No. 9-192.00**

Mr. Waldner,

This office has received the above mentioned report for review. The survey documented one previously unrecorded archaeological site (15EL75) and four isolated finds. The authors recommend no further archaeological investigation due to low artifact densities, lack of diagnostic artifacts, and the lack of intact subsurface features. I concur with the author's recommendations.

Should you have any questions, feel free to contact Phillip Johnson of my staff at 502-564-7005 ext 122.

Sincerely,

CP:PJ

Craig A. Potts  
Executive Director and  
State Historic Preservation Officer

cc: Dr. George Crothers (OSA)  
Dan Davis (KYTC)



U.S. Department  
of Transportation  
**Federal Highway  
Administration**

Kentucky Division Office  
José M. Sepúlveda, Division Administrator

March 26, 2014

330 West Broadway  
Frankfort, KY 40601  
PH. (502) 223-6720  
FAX (502) 223-6735

In Reply Refer To:  
HPD-KY

Mr. Craig Potts  
Executive Director and  
State Historic Preservation Officer  
Kentucky Heritage Council  
300 Washington St.  
Frankfort, KY 40601

Dear Mr. Potts:

Previous consultation with your office has covered the Determination of Eligibility Report (concurrence by your office January 13, 2012) and a Determination of Effects Report (concurrence by your office October 4, 2012). Additional consultation will be covered in this letter for the following project:

**Kentucky 32 Alternatives between KY 504 at Elliottville to KY 747 in Newfoundland,  
Elliott and Rowan Counties, Kentucky  
KYTC Item Number 9-192**

The project will require minor amounts of right of way for two National Register eligible sites:

Site EL-26 (Black-Caudill Log House) 0.5 acres  
Site EL-38 (Crockett House) 2.2 acres

We have determined that the Section 4(f) *de minimis* rule would apply to these sites. During the Section 106 Consulting Parties comment process there were no concerns expressed relating to project impacts on these historic properties.

This project, together with any impact avoidance, minimization, and mitigation or enhancement measures incorporated into the project, does not adversely affect the activities, features, and attributes that qualify the Section 4(f) resources identified above for protection under Section 4(f). The FHWA intends to make Section 4(f) *de minimis* findings based on your concurrence with a No Adverse Effect determination in the Section 106 consultation process.





Mr. Craig Potts  
Kentucky Heritage Council  
March 26, 2014

Page 2

Please provide comments and/or a concurrence with our determination. If you have any questions you may contact me at 223-6728.

Sincerely yours,



Gregory D. Rawlings  
Transportation Specialist

c: David Waldner, KYTC - DEA



STEVEN L. BESHEAR  
GOVERNOR

TOURISM, ARTS AND HERITAGE CABINET  
KENTUCKY HERITAGE COUNCIL

BOB STEWART  
SECRETARY

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www.heritage.ky.gov

CRAIG POTTS  
EXECUTIVE DIRECTOR AND  
STATE HISTORIC PRESERVATION OFFICER

March 31, 2014

Mr. Gregory Rawlings  
Environmental Specialist  
US Department of Transportation  
Federal Highway Administration  
330 West Broadway  
Frankfort, KY 40622

Re: **Kentucky 32 Alternatives between KY 504 at Elliotville to KY 747 in Newfoundland  
Elliot and Rowan Counties, Kentucky  
KYTC # 9-192**

Dear Mr. Rawlings,

Pursuant to Section 106 of the National Historic Preservation Act of 1966 (16 U. S. C. Sec. 470f) and implementing regulations at 36 C. F. R. Part 800, the Kentucky State Historic Preservation Office received for review and comment through previous consultation a Determination of Eligibility Report and a Determination of Effects Report concerning the above mentioned undertaking.

The project will require minor amounts of right of way for two National Register eligible sites – Site EL 26 and Site EL 38. We concur that Section 4(f) *de minimus* rule applies for these two sites, and the project as proposed has a **No Adverse Effect** determination.

Thank you for coordinating with our offices. Should you have any questions, please contact Burcum Keeton of my staff at (502) 564-7005, ext. 147.

Sincerely,

Craig Potts  
Executive Director and  
State Historic Preservation Officer

cc: David Waldner, KYTC DEA