

**THIS FILE IS
CLOSED**

ENCLOSED DATED MATERIAL

From: Air Monitoring Results
To: FALL 2003

**MORE RECENT MATERIAL
IN OTHER FILE**

October 22, 2003

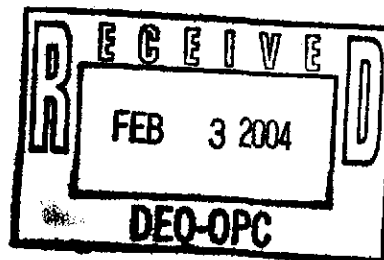
Mr. Richard Ellis
Singley Construction Company, Inc.
P.O. Box 389
Columbia, Mississippi 39429



EarthCon

Earth Consulting Group, Inc.

Re: EarthCon Project No. S149.001
Ambient Air Monitoring and Sampling
September 10-22, 2003
Kerr McGee Creosote Site
Hattiesburg, Mississippi



Dear Mr. Ellis:

This report summarizes ambient air monitoring and sampling activities conducted by Earth Consulting Group, Inc. (EarthCon) at the above-referenced location from September 10 through September 22, 2003. The ambient air monitoring and sampling activities were conducted by Matthew Courtney and Michael Scarbrough, EarthCon Air Monitoring Technicians, with oversight provided by W. Hal Moore, EarthCon Senior Project Manager. Air monitoring and sampling was conducted to quantify and document ambient air concentrations of Coal Tar Pitch Volatiles (CTPV) in and near the work area during excavation of creosote-contaminated soil from an intermittent stream (storm water drainage ditch).

The main chemicals of concern in CTPVs are polycyclic aromatic hydrocarbons (PAHs), which are also known as polynuclear aromatic hydrocarbons (PNAs). Possible health hazards associated with PAH exposure include cancer, skin problems, immunodeficiency, and reproductive difficulties for both the exposed and their offspring. More than 100 different chemicals are compiled into the general category of polycyclic aromatic hydrocarbons, including benzo[a]pyrene and dibenz[a]anthracene, which are known to cause cancer, and pyrene, acridine, chrysene, phenanthrene, and anthracene. The U.S. Department of Labor Occupational Safety & Health Administration (OSHA) has not established a substance-specific standard for occupational exposure to CTPVs. Exposures are regulated under OSHA's Air Contaminants Standard.

4110 Westside Drive
Tupelo, Mississippi 38801
(662) 840-3728 Fax: (662) 844-9666

110 Weisenberger Road
Post Office Box 1246
Madison, Mississippi 39130
(601) 853-2134 Fax: (601) 856-3978
Toll Free: (877) 389-6476

404 Ferrill Avenue
Post Office Box 29
Quitman, Mississippi 39355
(601) 776-4504 Fax: (775) 242-6650

The following table presents exposure limits established for CTPVs and related substances:

Substance	OSHA PEL	NIOSH REL	ACGIH TLV
CTPVs	0.2 mg/m ³ (benzene-soluble fraction)	0.1 mg/m ³ (cyclohexane-extractable fraction)	0.2 mg/m ³ (benzene-soluble fraction)
PAHs	0.2 mg/m ³	0.1 mg/m ³ (10 hour exposure)	<i>not established</i>

Note: Values are for an 8 hour time-weighted-average (TWA) exposure, except for the NIOSH REL for PAHs, which is based on a 10 hour TWA exposure.

Summary of Field Activity

EarthCon provided ambient air monitoring during mobilization, start-up, and excavation activities using a Thermo Environmental Instruments, Inc. Model 680 Portable Hydrocarbon Vapor Meter, which utilizes a flame ionization detector (FID), and a Thermo Environmental Instruments, Inc. Model 580B Organic Vapor Meter (OVM). A summary of the direct readings and locations is included in Appendix A.

EarthCon also collected two (2) air samples per day at selected locations near the active excavation areas utilizing Gilian BDX II air sampling pumps. The pumps were initially calibrated to 2 Liters/minute (LPM) using a mini-Buck Primary Flow Calibrator and then calibrated prior to each use using a low-flow rotameter that was also calibrated to the mini-Buck Primary Flow Calibrator. The air samples were collected by drawing known amounts of air through cassettes containing glass fiber filters (GFF). The filters were shipped to Entek Environmental Laboratories, Inc., Baton Rouge, Louisiana, to be analyzed for CTPVs by OSHA Method 58. According to OSHA Method 58, the filters are analyzed by extracting with benzene and gravimetrically determining the benzene-soluble fraction (BSF). If the BSF exceeds the appropriate PEL (0.2 mg/m³), then the sample is analyzed by high performance liquid chromatography (HPLC) with a fluorescence (μL) or ultraviolet (UV) detector to determine the presence of selected polynuclear aromatic hydrocarbons PAHs.

The following Table summarizes the analytical results of the air samples collected and analyzed during excavation activities occurring September 10 through September 22, 2003. Please refer to the attached Site Location Map and Site Plan for sampling locations, and Appendix B for laboratory reports.

**TABLE
SUMMARY OF ANALYTICAL RESULTS
KERR MCGEE CREOSOTE SITE
HATTIESBURG, MISSISSIPPI**

Sample No.	Date	Benzene-soluble Fraction (mg/m³)	OSHA PEL (mg/m³)
91501	09/15/03	0.02	0.2
91502	09/15/03	0.02	0.2
91601	09/16/03	0.01	0.2
91602	09/16/03	0.01	0.2
91701	09/17/03	0.02	0.2
91702	09/17/03	0.03	0.2
91801	09/18/03	0.02	0.2
91802	09/18/03	0.04	0.2
91901	09/19/03	0.02	0.2
91902	09/19/03	0.01	0.2

Discussion of Results

All of the air sample results were well below the OSHA PEL for BSF of 0.2 mg/m³. Based on a review of the air sample analytical results and direct readings collected in and around the excavated areas, workers in areas were not exposed to CTPVs in excess of regulatory limits.

Page 4 of 4
Mr. Ellis
October 22, 2003

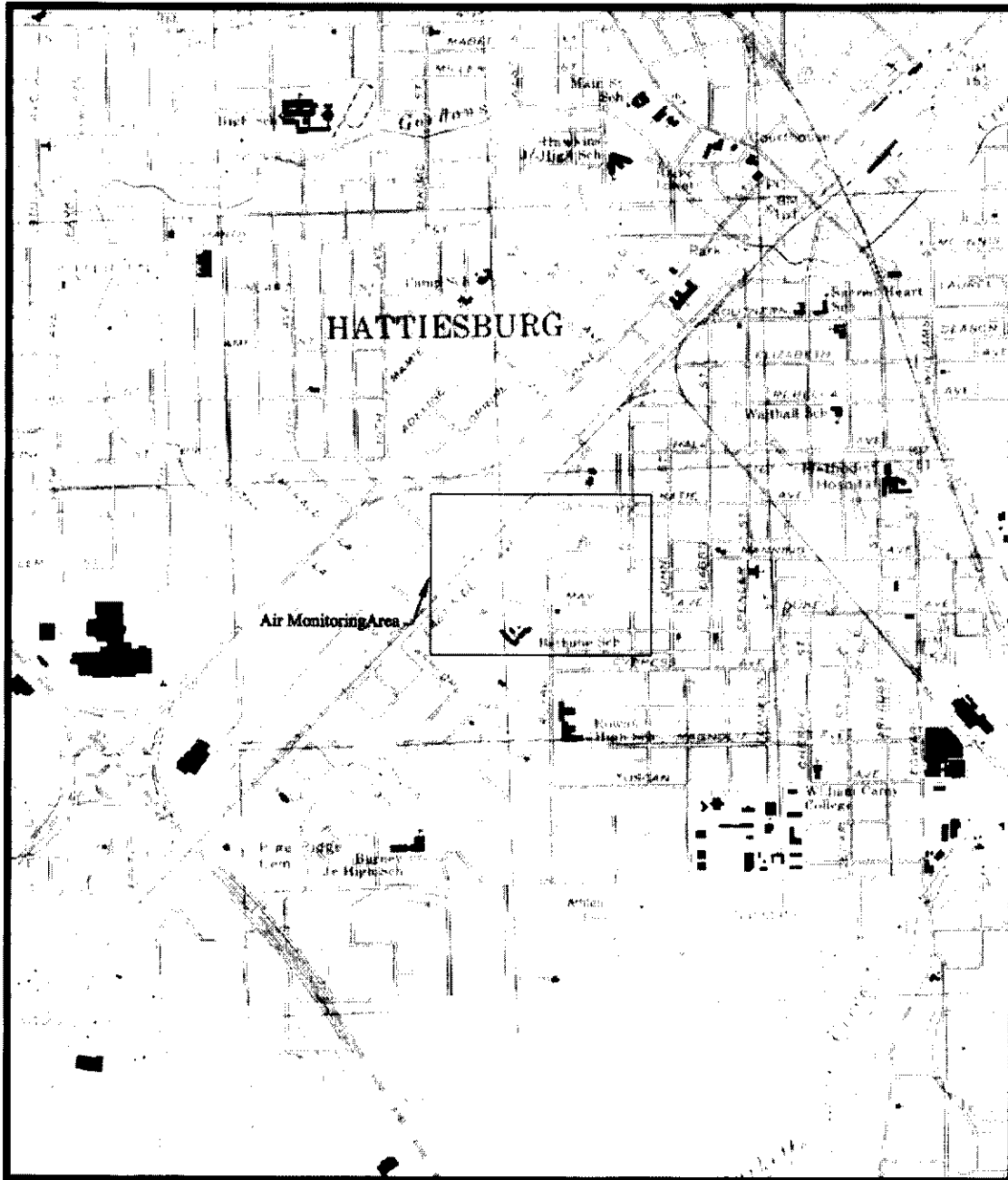
Should you have any questions concerning the contents of this report, please contact us at your convenience at (601) 853-2134. EarthCon appreciates the opportunity to provide you with environmental consulting services.

Sincerely,
Earth Consulting Group, Inc.

A handwritten signature in black ink, appearing to read "K. L. Giessinger". The signature is fluid and cursive, with a large initial "K" and "G".

Kirk L. Giessinger
Certified Indoor Air Quality Consultant

Attachments



SOURCE: USGS 7.5' MAP - HATTIESBURG QUADRANGLE - 1996

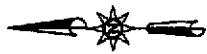
Forrest County



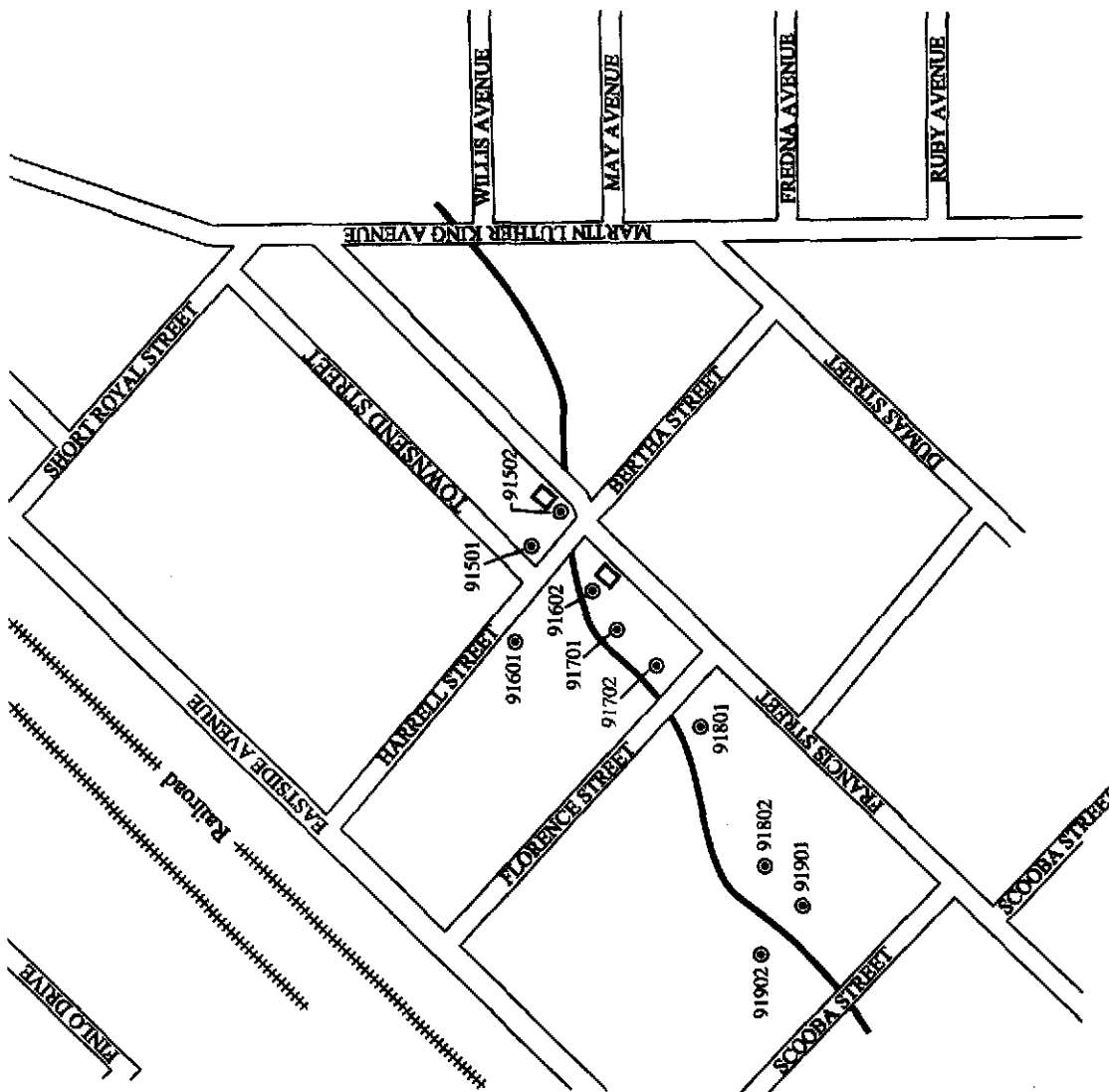
Earth Consulting Group, Inc.

P.O. Box 1246 Madison, MS 39130 Tel:(601)853-2134 Fax:(601)856-3978

DRAWN BY: Glen Ivey	CHECKED BY: Kirk Giessinger	SCALE: 1" = 2000'	DATE: 10/22/03	PROJECT NO: S149.001
PROJECT: Singley Construction - Air Monitoring - Hattiesburg, Mississippi				
TITLE: SITE LOCATION MAP				FIGURE: 1



149,001 2.DWG



Earth Consulting Group, Inc.

P.O. Box 1246 Madison, MS 39130 Tel:(601)853-2134 Fax:(601)856-3978

DRAWN BY: Glen Ivey	CHECKED BY: Kirk Gleasinger	SCALE:	DATE:	PROJECT NO.:
PROJECT:	SINGLEY CONSTRUCTION - Air Monitoring - Hattiesburg, Mississippi	NTS	10/22/03	S149.001
TITLE				FIGURE
SITE PLAN				2

LEGEND:

- Sample Location



Data For Singley - Kerr McGee, Project #:S149.001

Compiled by Matthew Courtney

<u>Date:</u>	<u>PID Reading</u>	<u>Time</u>	<u>Location/Wind</u>
09/10/2003	3	1050	East of MLK in Ditch, SW @ 2 mph
	2	1100	Intersection of Bertha & Francis
	2	1120	East of MLK in Ditch
	2	1200	East of MLK in Ditch
	0.7	1220	Intersection of Bertha & Francis
	0.7	1230	East of MLK in Ditch
	0.7	1300	"
	0.7	1330	"
	0	1342	Intersection of Bertha & Francis
	0	1400	East of MLK in Ditch
	0	1450	Intersection of Bertha & Francis
	0.7	1500	East side of MLK, N @ 2mph
	0.7	1530	"
	0	1600	"
	0	1605	Intersection of Bertha & Francis
	0.7	1630	East of MLK
	0.7	1700	"

<u>Date:</u>	<u>PID Reading</u>	<u>Time</u>	<u>Location/Wind</u>
09/11/2003	0	730	Intersection of Bertha & Francis, SE @ ~2mph
	0.4	745	East of MLK
	0	940	Intersection of Bertha & Francis
	0.7	945	East of MLK
	0	1230	Bertha & Francis
	0	1235	East of MLK
	0	1445	"

<u>FID Reading</u>	<u>Time</u>	<u>Location/Wind</u>
0	1700	East of MLK
0	1705	Bertha & Francis
2.9	1800	East of MLK

<u>Date:</u>	<u>FID Reading</u>	<u>Time</u>	<u>Location/Wind</u>
09/12/2003	0	800	Francis & Harrell St/swirling
	0	830	"
	0	900	"
	0.4	930	East of MLK
	0	945	Francis & Harrell
	0	1000	East of MLK
	0	1015	Francis & Harrell
	0	1030	East of MLK
	0	1045	Francis & Harrell
	0.3	1100	East of MLK
	0.7	1115	Francis & Harrell
	0	1130	East of MLK
	0.6	1145	Francis & Harrell
	0	1300	East of MLK
	0	1315	Francis & Harrell
	0	1330	East of MLK
	0.3	1345	Francis & Harrell
	1.1	1400	East of MLK
	0.9	1419	Francis & Harrell
	0	1430	East of MLK

	0.1	1500	East of MLK
	0.8	1530	East of MLK
Date:	FID Reading	Time	Location/Wind
09/15/2003	0	800	Harrell St/Swirling W to E ~2mph
	0	830	"
	1.9	900	"
	0.5	915	East of MLK
	0	930	Harrell St
	0	1000	"
	0	1030	"
	0	1100	East of MLK
	0.2	1100	Harrell St
	0.4	1130	"
	0	1200	"
	0.4	1230	"
	1	1330	"
	4.1	1400	"
	1	1430	"
	0.9	1500	"
	7.3	1530	"
	3.3	1600	"
	0	1630	"
	2.2	1700	"

Date:	FID Reading	Time	Location/Wind
09/16/2003	0	750	W. of Harrell St./Swirling E to W ~2-5mph
	0	820	"
	0	850	"
	1.5	920	"
	0	950	"
	0	1020	"
	0	1050	"
	6.1	1120	"
	12.6	1150	"
	0	1220	"
	0	1250	"
	2.9	1320	Center of Harrell & Townsend
	2.7	1350	W. of Harrell St.
	3.3	1420	"
	1.7	1450	"
	1.9	1520	"
	2.4	1550	"
	2.4	1620	"
	1.7	1650	"

Date:	FID Reading	Time	Location/Wind
09/17/2003	0	800	B/W Florence & Harrell/no wind
	0	830	"
	0.9	900	"
	5.7	930	"
	0	1000	"
	0	1030	"
	0.7	1100	"
	0.9	1130	B/W Florence & Harrell/SSE ~ 3mph
	1.9	1200	"
	2.7	1300	"

1.1	1330	"
2.9	1400	"
1.4	1430	"
1.7	1500	"
1.3	1530	"
1.7	1600	"
1.4	1630	"
0.7	1700	"

<u>Date:</u>	<u>FID Reading</u>	<u>Time</u>	<u>Location/Wind</u>
09/18/2003	0.1	730	
	0.5	800	
	6.6	830	
	11.3	900	
	0.3	930	
	0.3	1000	
	0.3	1030	
	8.9	1100	
	0.2	1130	
	3.4	1200	
	2.6	1230	
	2.6	1300	
	4.1	1330	
	1.5	1400	
	1.2	1430	
	9.1	1500	
	1.5	1530	
	6.4	1600	
	2.7	1630	
	3.3	1700	

<u>Date:</u>	<u>FID Reading</u>	<u>Time</u>	<u>Location/Wind</u>
09/19/2003	0	730	W. Side of Florence St.
	1	800	"
	3	830	"
	0	900	not digging
	16.9	930	W. Side of Florence St.
	3.5	1000	W. Side of Florence St.
	0	1030	not digging
	0	1100	W. Side of Florence St.
	8.4	1130	W. Side of Florence St.
	0	1200	not digging
	2	1300	W. Side of Florence St.
	4	1330	W. Side of Florence St.
	1	1400	W. Side of Florence St.
	1.5	1430	W. Side of Florence St.
	1	1500	not digging

9/22: did not work due to rain

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



**INDUSTRIAL HYGIENE
KERR - McGEE / HATTIESBURG, MS SAMPLES
COAL TAR VOLATILE ANALYSES
Samples Received: 09/25/03**

FOR

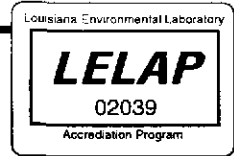
**EARTH CONSULTING GROUP
POST OFFICE BOX 1246
MADISON, MS 39130**

ATTENTION: C. THOMAS

**OCTOBER 14, 2003
PROJECT NO.: 3-3285**

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net




Earth Consulting Group
Madison, MS
Attention: C. Thomas

October 14, 2003
Project No.: 3-3285

Ten cassette samples were received September 25, 2003. The samples were analyzed for Coal Tar Volatiles by OSHA Method 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:


Sayi Malineni
QA Coordinator


Sham L. Sachdev, Ph.D., CHCM
Laboratory Director

kns

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: C. Thomas

October 14, 2003
Project No.: 3-3285

Entek Sample ID: 03-15105

Sample ID: 91501

Sample Date: 09/15-19/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.001	156.013	3.0	1.5	0.024	1080.00	0.02

Entek Sample ID: 03-15106

Sample ID: 91502

Sample Date: 09/15-19/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.448	155.457	3.0	1.5	0.018	1080.00	0.02

Entek Sample ID: 03-15107

Sample ID: 91601

Sample Date: 09/15-19/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.220	155.225	3.0	1.5	0.010	1040.00	0.01

Entek Sample ID: 03-15108

Sample ID: 91602

Sample Date: 09/15-19/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.758	156.764	3.0	1.5	0.012	1040.00	0.01

Entek Sample ID: 03-15109

Sample ID: 91701

Sample Date: 09/15-19/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	154.628	154.641	3.0	1.5	0.026	1140.00	0.02

Earth Consulting Group
Madison, MS
Attention: C. Thomas

October 14, 2003
Project No.: 3-3285

Entek Sample ID: 03-15110

Sample ID: 91702

Sample Date: 09/15-19/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.983	155.999	3.0	1.5	0.032	1140.00	0.03

Entek Sample ID: 03-15111

Sample ID: 91801

Sample Date: 09/15-19/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	154.950	154.964	3.0	1.5	0.028	1140.00	0.02

Entek Sample ID: 03-15112

Sample ID: 91802

Sample Date: 09/15-19/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.618	156.639	3.0	1.5	0.042	1140.00	0.04

Entek Sample ID: 03-15113

Sample ID: 91901

Sample Date: 09/15-19/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.872	155.882	3.0	1.5	0.020	960.00	0.02

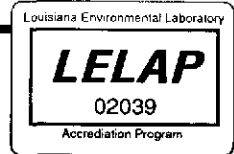
Entek Sample ID: 03-15114

Sample ID: 91902

Sample Date: 09/15-19/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.254	156.261	3.0	1.5	0.014	960.00	0.01

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: C. Thomas

October 14, 2003
Project No.: 3-3285

Quality Control

	Method Number	Quant. Limit (mg)	QA/QC
BSF*	OSHA 58	0.01	199.45/200.0
	Run 1 (mg)	Run 2 (mg)	%RPD
BSF*	199.448	199.446	0.001

DTA Start 10/10/03/0900/AJ
DTA Finish 10/10/03/1600/AJ

* BSF - Benzene Soluble Fraction.

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

CHAIN OF CUSTODY RECORD

COMPANY:

Earth Consulting Group
P.O. Box 1246
Madison, MS 39130

ENTEK PROJECT NUMBER:

3ECG3285

(circle one)

TURNAROUND TIME:

Reg / Rush

NEED BY DATE:

ATTN: C. Thomas
PHONE: 601-853-2134
FAX: 601-856-3978
P.O.# 5149.001

~Sampler Must Complete~

Sampler's Name:	<u>Matthew Country</u>
Number of Sample(s):	<u>10</u>
Date/Time Sampled:	<u>9/5 thru 9/19/03</u>
Number & Type of Containers:	
Matrix:	<u>filters</u>
Transporting Cooler Temperature:	<u>N/A</u>

SAMPLE LOCATION:

Kerr-Mcgee
Hattiesburg, MS

SAMPLE IDENTIFICATION	PRESV V. N.	SAMPLE NOTES ACCEPTABLE CONTAINER/PACKING ETC.	ANALYSES REQUESTED	STORAGE
<u>91501</u>	<u>N</u>		<u>OSHA 58</u>	
<u>91502</u>			<u>Coal Tar Volatiles</u>	
<u>91601</u>			<u>Air</u>	
<u>91602</u>				
<u>91701</u>				
<u>91702</u>				
<u>91801</u>				
<u>91802</u>				
<u>91901</u>				
<u>91902</u>				

SPECIAL INSTRUCTIONS:

**Acceptable headspace criteria for VOC samples Yes ___ No ___

CHAIN OF POSSESSION:	SAMPLE TEMPERATURE AT SAMPLE RECEIPT: <u>N/A</u>	
<u>W. Thomas</u>	<u>Kristen N. Stevens - Entek</u>	<u>09.25.03</u>
	<u>Recd FedEx</u>	<u>1030</u>

EARTH CONSULTING GROUP, INC.
AIR SAMPLING FIELD DATA SHEET

Client	Singley Construction	
City	Hattiesburg, MS	Location: Hattiesburg, MS
EarthCon Project #	5149,001	Area: Francis + Townsend St.
Contractor	Singley Construction	Removal Type: Dig
Collected By	Matthew Courtney	Date: 9/15/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
91501	Fence on Harrell St. Intersection of Townsend	Area
91502	Fence on Harrell St.	Area

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04			
Begin Time	8:00AM	8:10AM					
End Time	5:00PM	5:00PM					
Down Time (min)							
Total Time (min)	540	540					
Flow Rate (L/min)	20	20					
Total Volume (L)	1080	1080					
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

Page 2

EARTH CONSULTING GROUP, INC.

AIR SAMPLING FIELD DATA SHEET

Client	Singley Construction	
City	Hattiesburg, MS	Location: Hattiesburg, MS
EarthCon Project #	5149.001	Area: Harrell + Florence St.
Contractor	Singley Construction	Removal Type: Dig
Collected By	Matthew Courtney	Date: 9/16/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
9/601	Harrell + Florence Street	Arec
9/602	" " " "	Arec

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04			
Begin Time	7:50AM	7:50AM					
End Time	4:30PM	4:30PM					
Down Time (min)	-	-					
Total Time (min)	4:30 4:30 AM	4:30 4:30 PM					
Flow Rate (L/min)	2.0	2.0					
Total Volume (L)	1040	1040					
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

Page 3

EARTH CONSULTING GROUP, INC.

AIR SAMPLING FIELD DATA SHEET

Client	Singley Construction	
City	Hattiesburg, MS	Location: Hattiesburg, MS
EarthCon Project #	5149,001	Area: Hattiesburg + Florence St.
Contractor	Singley Construction	Removal Type: Dig
Collected By	Matthew Courtney	Date: 9/17/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
91701	Hattiesburg + Florence St.	Air
91702	" + " " West	Area

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04			
Begin Time	8:00am	8:00am					
End Time	5:30pm	5:30pm					
Down Time (min)	-	-					
Total Time (min)	570	570					
Flow Rate (L/min)	2.0	2.0					
Total Volume (L)	1140	1140					
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

Page 4

EARTH CONSULTING GROUP, INC.

AIR SAMPLING FIELD DATA SHEET

Client	Sinley Construction	
City	Hattiesburg MS	Location:
EarthCon Project #	S14001	Area: Herrell + Scooba St.
Contractor	Sinley Construction	Removal Type: Dig
Collected By	Kevin Ruby Kevin KTI	Date: 9/19/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
91801	Florence + Scooba St.	Arec
91802	1 " + " West	"

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04			
Begin Time	7:30AM	7:30AM					
End Time	5:00PM	5:00PM					
Down Time (min)	-	-					
Total Time (min)	570	570					
Flow Rate (L/min)	2.0	2.0					
Total Volume (L)	1140	1140					
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

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EARTH CONSULTING GROUP, INC.

AIR SAMPLING FIELD DATA SHEET

Client	Singley Construction	
City	Hattiesburg MS	Location:
EarthCon Project #	B149.001	Area: Florence + Scooba St.
Contractor	Singley Construction	Removal Type: Dig
Collected By	Matthew Courtney	Date: 9/19/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Typ
91901	Florence + Scooba St. Ditch	Aerial
91902	" + " " West	Aerial

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04			
Begin Time	2:30 AM	2:30 AM					
End Time	5:30 PM	3:30 PM					
Down Time (min)	—	—					
Total Time (min)	480	480					
Flow Rate (L/min)	2.0	2.0					
Total Volume (L)	960	960					
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

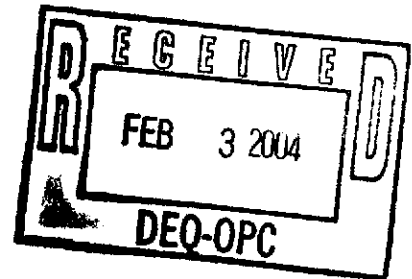
Page 6

December 9, 2003

Mr. Richard Ellis
Singley Construction Company, Inc.
P.O. Box 389
Columbia, Mississippi 39429



Re: EarthCon Project No. S149.001
Ambient Air Monitoring and Sampling
September 23 - November 3, 2003
Kerr McGee Creosote Site
Hattiesburg, Mississippi



Dear Mr. Ellis:

This report summarizes ambient air monitoring and sampling activities conducted by Earth Consulting Group, Inc. (EarthCon) at the above-referenced location from September 23 through November 3, 2003. The ambient air monitoring and sampling activities were conducted by Matthew Courtney and Kevin Ivy, EarthCon Air Monitoring Technicians, with oversight provided by W. Hal Moore, EarthCon Senior Project Manager. Air monitoring and sampling was conducted to quantify and document ambient air concentrations of Coal Tar Pitch Volatiles (CTPV) in, and near, the work area during excavation of creosote-contaminated soil from an intermittent stream (storm water drainage ditch).

The main chemicals of concern in CTPVs are polycyclic aromatic hydrocarbons (PAHs), which are also known as polynuclear aromatic hydrocarbons (PNAs). Possible health hazards associated with PAH exposure include cancer, skin problems, immunodeficiency, and reproductive difficulties for both the exposed and their offspring. More than 100 different chemicals are compiled into the general category of polycyclic aromatic hydrocarbons, including benzo[a]pyrene and dibenz[a]anthracene, which are known to cause cancer, and pyrene, acridine, chrysene, phenanthrene, and anthracene. The U.S. Department of Labor Occupational Safety & Health Administration (OSHA) has not established a substance-specific standard for occupational exposure to CTPVs. Exposures are regulated under OSHA's Air Contaminants Standard.

4110 Westside Drive
Tupelo, Mississippi 38801
(662) 840-3728 Fax: (662) 844-9666

110 Weisenberger Road
Post Office Box 1246
Madison, Mississippi 39130
(601) 853-2134 Fax: (601) 856-3978
Toll Free: (877) 389-6476

404 Ferrill Avenue
Post Office Box 29
Quitman, Mississippi 39355
(601) 776-4504 Fax: (775) 242-6650

The following table presents exposure limits established for CTPVs and related substances:

Substance	OSHA PEL	NIOSH REL	ACGIH TLV
CTPVs	0.2 mg/m ³ (benzene-soluble fraction)	0.1 mg/m ³ (cyclohexane-extractable fraction)	0.2 mg/m ³ (benzene-soluble fraction)
PAHs	0.2 mg/m ³	0.1 mg/m ³ (10 hour exposure)	<i>not established</i>

Note: Values are for an 8 hour time-weighted-average (TWA) exposure, except for the NIOSH REL for PAHs, which is based on a 10 hour TWA exposure.

Summary of Field Activity

EarthCon provided ambient air monitoring during mobilization, start-up, and excavation activities using a Thermo Environmental Instruments, Inc. Model 680 Portable Hydrocarbon Vapor Meter, which utilizes a flame ionization detector (FID). A summary of the direct readings is included in Appendix A.

EarthCon also collected air samples at selected locations near the active excavation areas utilizing Gilian BDX II air sampling pumps. The pumps were initially calibrated to 2 Liters/minute (LPM) using a mini-Buck Primary Flow Calibrator and then calibrated prior to each use using a low-flow rotameter that was also calibrated to the mini-Buck Primary Flow Calibrator. The air samples were collected by drawing known amounts of air through cassettes containing glass fiber filters (GFF). The filters were shipped to Entek Environmental Laboratories, Inc., Baton Rouge, Louisiana, to be analyzed for CTPVs by OSHA Method 58. According to OSHA Method 58, the filters are analyzed by extracting with benzene and gravimetrically determining the benzene-soluble fraction (BSF). If the BSF exceeds the appropriate PEL (0.2 mg/m³), then the sample is analyzed by high performance liquid chromatography (HPLC) with a fluorescence (μL) or ultraviolet (UV) detector to determine the presence of selected PAHs.

The following Table 1 summarizes the analytical results of the air samples collected during excavation activities which occurred from September 23 through November 3, 2003. Please refer to the attached Figure 1 - Site Location Map and Figure 2 - Site Plan for air sampling areas and Appendix B for laboratory reports. Specific air sampling locations are described in the field data sheets attached to the laboratory reports.

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
KERR MCGEE CREOSOTE SITE
HATTIESBURG, MISSISSIPPI

Sample No.	Date	Benzene-soluble Fraction (mg/m ³)	OSHA PEL (mg/m ³)
92301	09/23/03	0.07	0.2
92302	09/23/03	0.04	0.2
92401	09/24/03	0.03	0.2
92402	09/24/03	0.03	0.2
92501	09/25/03	0.02	0.2
92502	09/25/03	0.02	0.2
92901	09/29/03	<0.01	0.2
92902	09/29/03	0.01	0.2
92903	09/29/03	0.02	0.2
92904	09/29/03	<0.01	0.2
93001	09/30/03	0.02	0.2
93002	09/30/03	0.02	0.2
93003	09/30/03	0.04	0.2
93004	09/30/03	0.01	0.2
1011	10/01/03	<0.01	0.2
1012	10/01/03	0.01	0.2
1013	10/01/03	0.04	0.2
1014	10/01/03	0.03	0.2
10201	10/02/03	0.01	0.2
10202	10/02/03	0.03	0.2
10203	10/02/03	0.07	0.2
10204	10/02/03	0.19	0.2
10601	10/06/03	0.017	0.2

TABLE 1 (continued)
SUMMARY OF ANALYTICAL RESULTS
KERR MCGEE CREOSOTE SITE
HATTIESBURG, MISSISSIPPI

Sample No.	Date	Benzene-soluble Fraction (mg/m ³)	OSHA PEL (mg/m ³)
10602	10/06/03	0.030	0.2
10603	10/06/03	0.013	0.2
10604	10/06/03	0.022	0.2
10605	10/06/03	<0.01	0.2
10701	10/07/03	0.017	0.2
10702	10/07/03	0.015	0.2
10703	10/07/03	0.078	0.2
10704	10/07/03	<0.01	0.2
10801	10/08/03	0.013	0.2
10802	10/08/03	<0.01	0.2
10803	10/08/03	0.026	0.2
10804	10/08/03	0.302	0.2
10805	10/08/03	<0.01	0.2
10901	10/09/03	0.011	0.2
10902	10/09/03	0.030	0.2
10903	10/09/03	0.015	0.2
10904	10/09/03	0.015	0.2
101301	10/13/03	0.074	0.2
101302	10/13/03	0.032	0.2
101303	10/13/03	0.042	0.2
101304	10/13/03	0.019	0.2
101401	10/14/03	0.041	0.2
101402	10/14/03	0.017	0.2
101403	10/14/03	0.028	0.2
101404	10/14/03	0.033	0.2
101501	10/15/03	<0.037	0.2
101502	10/15/03	0.052	0.2

0.302 - bold value exceeds OSHA PEL for BSF

TABLE 1 (continued)
SUMMARY OF ANALYTICAL RESULTS
KERR MCGEE CREOSOTE SITE
HATTIESBURG, MISSISSIPPI

Sample No.	Date	Benzene-soluble Fraction (mg/m³)	OSHA PEL (mg/m³)
101503	10/15/03	0.033	0.2
101504	10/15/03	<0.009	0.2
101601	10/16/03	<0.009	0.2
101602	10/16/03	<0.009	0.2
101603	10/16/03	0.030	0.2
101604	10/16/03	0.059	0.2
101605	10/16/03	<0.009	0.2
101606	10/16/03	0.024	0.2
101607	10/16/03	0.011	0.2
101608	10/16/03	0.091	0.2
101701	10/17/03	0.054	0.2
101702	10/17/03	0.067	0.2
101703	10/17/03	0.020	0.2
101704	10/17/03	0.043	0.2
102101	10/21/03	0.031	0.2
102102	10/21/03	0.041	0.2
102103	10/21/03	0.033	0.2
102104	10/21/03	0.030	0.2
102201	10/22/03	0.031	0.2
102202	10/22/03	0.011	0.2
102203	10/22/03	0.009	0.2
102204	10/22/03	<0.009	0.2
102205	10/22/03	<0.021	0.2
102206	10/22/03	<0.021	0.2
102207	10/22/03	<0.021	0.2
102208	10/22/03	<0.021	0.2
102301	10/23/03	0.009	0.2
102302	10/23/03	<0.009	0.2
102303	10/23/03	<0.009	0.2

TABLE 1 (continued)
SUMMARY OF ANALYTICAL RESULTS
KERR MCGEE CREOSOTE SITE
HATTIESBURG, MISSISSIPPI

Sample No.	Date	Benzene-soluble Fraction (mg/m ³)	OSHA PEL (mg/m ³)
102304	10/23/03	<0.009	0.2
102401	10/24/03	<0.012	0.2
102402	10/24/03	<0.012	0.2
102403	10/24/03	<0.012	0.2
102404	10/24/03	<0.012	0.2
102901	10/24/03	<0.009	0.2
102902	10/24/03	<0.009	0.2
102903	10/24/03	0.015	0.2
102904	10/24/03	<0.009	0.2
103001	10/30/03	0.031	0.2
103002	10/30/03	0.013	0.2
103003	10/30/03	0.017	0.2
103004	10/30/03	0.039	0.2
103101	10/31/03	0.017	0.2
103102	10/31/03	0.011	0.2
103103	10/31/03	0.011	0.2
103104	10/31/03	0.011	0.2
110301	11/03/03	<0.009	0.2
110302	11/03/03	<0.009	0.2
110303	11/03/03	0.011	0.2
110304	11/03/03	0.022	0.2

Sample number 10804 exceeded the BSF PEL; therefore, HPLC analysis for individual PAHs were performed. The following Table 2 summarizes the analytical results of the HPLC analysis.

TABLE 2
SUMMARY OF HPLC ANALYSIS
KERR MCGEE CREOSOTE SITE
HATTIESBURG, MISSISSIPPI

PAH	Sample No.	Concentration (ppb)	OSHA Target Concentration (ppm)
Phenanthrene	10804	<0.095	1.22
Anthracene	10804	<0.095	0.11
Pyrene	10804	<0.084	1.09
Chrysene	10804	<0.074	0.35
Benzo(a)pyrene	10804	<0.067	0.24

Discussion of Results

With the exception of sample number 10804, all of the air sample results were well below the OSHA PEL for BSF of 0.2 mg/m³. Although the BSF analysis of sample number 10804 exceeded the OSHA PEL, the results of the HPLC analysis were below the OSHA Target Concentrations for each individual PAH constituent.

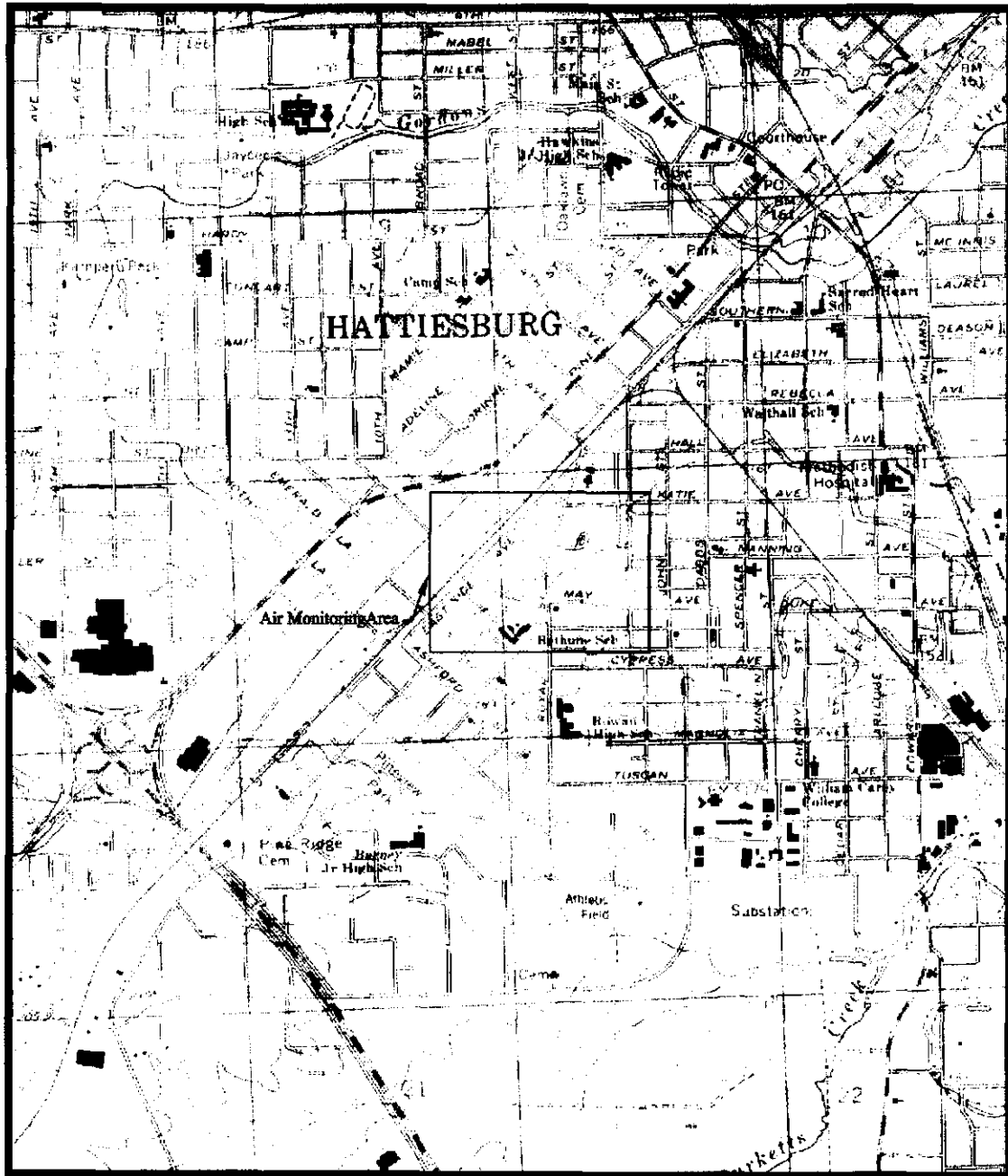
Based on a review of the air sample analytical results and direct readings collected in, and around, the excavated areas, workers in areas were not exposed to CTPVs in excess of regulatory limits. Should you have any questions concerning the contents of this report, please contact us at your convenience at (601) 853-2134. EarthCon appreciates the opportunity to provide you with environmental consulting services.

Sincerely,
Earth Consulting Group, Inc.



Kirk L. Giessinger
Certified Indoor Air Quality Consultant

Attachments



SOURCE: USGS 7.5' MAP - HATTIESBURG QUADRANGLE - 1996

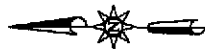
Forrest County



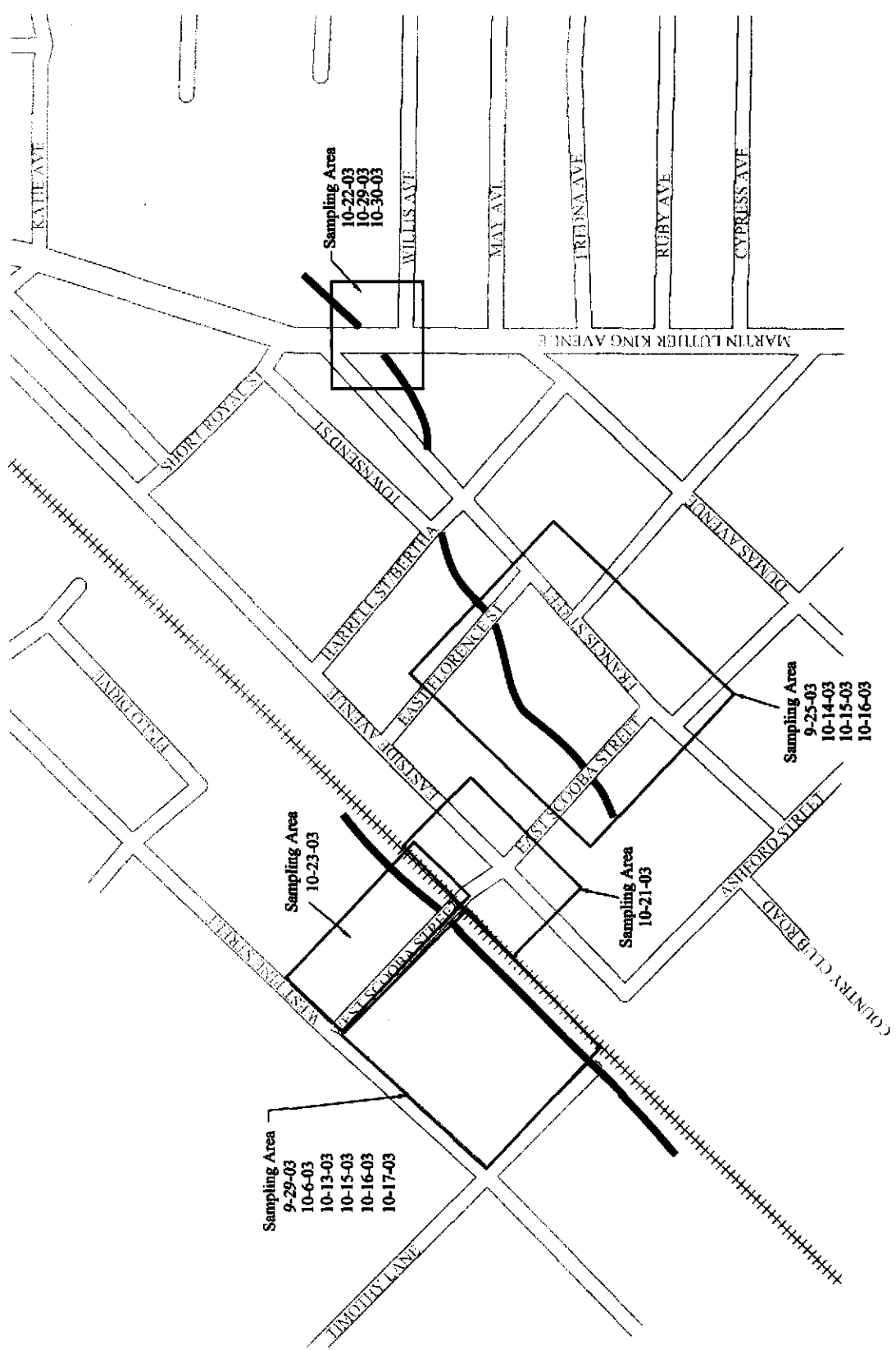
Earth Consulting Group, Inc.

P.O. Box 1246 Madison, MS 39130 Tel:(601)853-2134 Fax:(601)856-3978

DRAWN BY: Glen Ivey	CHECKED BY: Kirk Giessinger	SCALE: 1" = 2000'	DATE: 12/01/03	PROJECT NO: S149.001
PROJECT: Singley Construction - Air Monitoring - Hattiesburg, Mississippi				
TITLE: SITE LOCATION MAP				FIGURE 1



149.001.2.DWG



Earth Consulting Group, Inc.

P.O. Box 1246 Madison, MS 39130 Tel:(601)853-2134 Fax:(601)856-3978

DRAWN BY: Glen Ivey	CHECKED BY: Kirk Glassinger	SCALE: NTS	DATE: 12/01/03	PROJECT NO: S149.001
PROJECT: Singly Construction - Air Monitoring - Hattiesburg, Mississippi				TITLE: SITE PLAN
				FIGURE 2

LEGEND:



**Singley-Kerr McGee project
Hattiesburg, MS**

Data For Singley - Kerr McGee, Project #:S149.001
Compiled by Matthew Courtney

Date:	FID Reading	Time	Location/Wind
09/23/2003		730	
		800	
		830	
		900	
		930	
		1000	
		1030	
		1100	
		1130	
		1200	
		1300	
		1330	
		1400	
		1430	
		1500	
		1530	
		1600	
		1630	
		1700	

Date:	FID Reading	Time	Location/Wind
09/24/2003	0	730	W. Side of Florence St., Wind Still
	0	800	"
	0.8	830	"
	3.8	900	"
	0.5	930	"
	7.9	1000	"
	10.4	1030	"
	17.2	1100	"
	12.3	1130	"
	4.3	1200	"
	0	1300	"
	0	1330	"
	12.1	1400	"
	3	1430	"
	4	1500	Wind NE @~5MPH
	1.8	1530	"
	1.2	1600	"
	3	1630	"
	0	1700	"

Date:	FID Reading	Time	Location/Wind
09/25/2003		730	
		800	
		830	

Singley-Kerr McGee project
 Hattiesburg, MS

900
 930
 1000
 1030
 1100
 1130
 1200
 1300
 1330
 1400
 1430
 1500
 1530
 1600
 1630
 1700

Date	FID Reading	Time	Location/Wind
09/29/2003	0	730	Not Digging
	0	800	"
	0	830	"
	0	900	"
	0	930	Lot behind Ford Dealership Between Road & Body Shop
	0.17	1000	"
	0.22	1030	"
	0	1100	"
	0	1130	"
	0	1200	"
	2.17	1230	"
	0	1300	"
	0	1330	"
	0.22	1400	"
	0.29	1430	"
	2.8	1500	"
	6.25	1530	"
15.9	1600	"	
1.37	1630	"	
0	1700	"	

Date	FID Reading	Time	Location/Wind
09/30/2003		730	
	0.86	800	
	1.22	830	
	1.57	900	
	0.62	930	
	0	1000	
	0.94	1030	
	0.63	1100	
	0.47	1130	
	6.27	1200	

**Singley-Kerr McGee project
Hattiesburg, MS**

2.38	1230
1.49	1300
0.65	1330
0	1400
0	1430
2.61	1500
1.64	1530
0	1600
0	1630
0	1700

Date	FID Reading	Time	Location/Wind
10/01/2003	0	730	Not Digging
	0	800	"
	0	830	"
	0	900	"
	0	930	Lot Behind Ford Dealership/N @~2-5mph
	4.67	1000	"
	2.56	1030	"
	5.07	1100	"
	5.08	1130	"
	2.17	1200	"
	1.07	1230	"
	7.05	1300	"
	4.68	1330	"
	5.32	1400	"
	6.63	1430	"
	0	1500	not digging
	0	1530	not digging
	0	1600	not digging
	0	1630	not digging
	2.13	1700	Lot Behind Ford Dealership/N @~2-5mph

Date	FID Reading	Time	Location/Wind
10/02/2003		730	
	0	800	
	0	830	
	1.26	900	
	1.59	930	
	0	1000	
	0	1030	
	0	1100	
	0	1130	
	0	1200	
	0	1230	
	9.46	1300	
	0	1330	
	0	1400	
	2.11	1430	
	2.65	1500	

**Singley-Kerr McGee project
Hattiesburg, MS**

0 1530
0 1600
0 1630
1700

Date:	FID Reading	Time	Location/Wind
10/06/2003	10.07	915	Lot Behind Ford Dealership in second containment site/
	9348	945	"
	5.38	1015	"
	5.8	1045	"
	6.38	1115	"
	5.75	1145	"
	0	1215	not digging
	0	1245	not digging
	0	1315	not digging
	4.86	1330	Lot Behind Ford Dealership in second containment site/
	3.75	1400	"
	6.21	1430	"
	0	1500	not digging
	0	1530	not digging
	0	1600	not digging
	2.29	1630	"
	4.07	1700	"

Date:	FID Reading	Time	Location/Wind
10/07/2003	0	730	Second Containment
	2.7	800	
	8.16	830	
	3.41	900	
	1.04	930	
	1.28	1000	
	2.65	1030	
	2.05	1100	
	0	1130	
	2.41	1200	
	1.76	1230	
	1.01	1300	
	0	1330	
	0	1400	
	0	1430	
	1.78	1500	
	2.12	1530	
	0	1600	
	0	1630	
	0	1700	

Date:	FID Reading	Time	Location/Wind
10/08/2003	0	730	Second Containment/Wind NE @~2-5mph
	1.07	800	"
	0.72	830	"

**Singley-Kerr McGee project
Hattiesburg, MS**

0	900 "
0	930 "
0	1000 "
1.47	1030 "
0	1100 "
0	1130 "
0	1200 "
0	1300 "
0	1330 "
0	1400 "
0	1430 "
0	1500 "
0	1530 "
0	1600 "
0	1630 "
0	1700 "

Date:	FID Reading	Time	Location/Wind
10/09/2003	0	730	Second Containment
	0	800 "	
	0	830 "	
	1.21	900 "	
	1.49	930 "	
	0	1000 "	
	0	1030 "	
	0	1100 "	
	0	1130 "	
	0	1200 "	
	0	1300 "	
	0	1330 "	
	0	1400	off site

Did not work on 10/10/03

Date:	FID Reading	Time	Location/Wind	Notes:
10/13/2003	na	730		0730-0945: Singley a big pile of dirt that had be excavated- no new digging (*likely due to natural gas
	na	800		
	na	830		
	na	900		
	34.07(*)	945	Florence Street/N ~2-5mph	
	0.26	1015 "		
	0	1045 "		
	9.37	1215 "		
	0	1245 "		
	0	1315 "		
	0	1345 "		
	5.93	1445 "		
	0	1515 "		
	0	1545 "		
	12.15	1615 "		

**Singley-Kerr McGee project
Hattiesburg, MS**

<u>Date:</u>	<u>FID Reading</u>	<u>Time</u>	<u>Location/Wind</u>
10/13/03(cont'd)	0	1045	Ditch behind Courtesy Ford/N-2-5mph
	0	1115	"
	0	1145	"
	2.79	1345	"
	0.87	1415	"
	0.99	1445	"

<u>Date:</u>	<u>FID Reading</u>	<u>Time</u>	<u>Location/Wind</u>
10/14/2003		730	
	0	800	
	0	830	
	2.75	900	
	1.32	930	
	0	1000	
	0	1030	
	3.76	1100	
	0	1130	
	0	1200	
	0	1300	
	1.49	1330	
	0	1400	
	0	1430	
	0	1500	
	0	1530	

<u>Date:</u>	<u>FID Reading</u>	<u>Time</u>	<u>Location/Wind</u>
10/15/2003		730	
	0	800	"
	0	830	"
	0	900	"
	0	930	"
	0.74	1000	"
	0	1030	"
	1.64	1100	"
	2.75	1130	"
	0	1200	"
	0	1300	"
	0	1330	"
	0	1400	"
	0	1430	"
	1.12	1500	"
	0	1530	"
	0	1600	"
	0	1630	"

<u>Date:</u>	<u>FID Reading</u>	<u>Time</u>	<u>Location/Wind</u>
10/16/2003		730	
	0	800	

**Singley-Kerr McGee project
Hattiesburg, MS**

1.27	830
0	900
0	930
2.68	1000
1.01	1030
0	1100
0	1130
2.49	1200
0	1230
0	1300
0	1330
2.24	1400
0	1430
1.51	1500
0	1530
0	1600
0	1630
0	1700

Date	FID Reading	Time	Location/Wind
10/17/2003	na	730	Ditch behind Body Shop/Wind calm
	0	800	"
	0	830	"
	3.28	900	"
	6.87	930	"
	1.08	1000	Ditch behind Body Shop/wind SW ~5-10mph
	0.23	1030	"
	4.79	1100	"
	9.09	1130	"
	0	1200	"
	0	1300	"
	4.46	1330	"
	3.61	1400	"

**did not dig from 1200-1300*

Date	FID Reading	Time	Location/Wind
10/22/2003	na	730	Intersection of Scooba & East Side/N@~5mph
	0	800	"
	1.72	830	"
	2.75	900	"
	0.55	930	"
	0	1000	"
	0	1030	"
	0	1100	"
	0	1130	"
	0	1200	"
	0	1300	MLK/Wind from North West @5-10mph

Singley-Kerr McGee project
Hattiesburg, MS

0	1330 "
0	1400 "
0	1430 "
0	1500 "
0	1530 "
0	1600 "
0	1630 "
0	1700 "

*did not dig from 1400-1500&1430-1500

Date:	FID Reading	Time	Location/Wind
10/23/2003		730	
	0	800	
	1.8	830	
	2.24	900	
	1.95	930	
	2.67	1000	
	2.21	1030	
	3.1	1100	
	0	1130	
	0	1200	
	1.65	1230	
	1.04	1300	
	2.71	1330	
	1.52	1400	
	0	1430	
	3.22	1500	
	3.68	1530	
	1.46	1600	
	0	1630	
		1700	

Date:	FID Reading	Time	Location/Wind
10/24/2003	na	730	Ditch Behind Courtesy Ford Body Shop/Wind Calm
	0	800	"
	0	830	"
	0	900	"
	0	930	"
	0	1000	"
	0	1030	"
	11.16	1100	Ditch behind Body Shop/S@~5mph
	0	1130	"
	0	1200	"
	0	1300	"
	1.35	1330	"
	0	1400	"
	0	1430	"
	0	1500	"

**Singley-Kerr McGee project
Hattiesburg, MS**

**did not dig from 0800-1000&1400-1500*

Date:	FID Reading	Time	Location/Wind
10/29/2003	na	730	North side of MLK, digging towards school/wind calm
	0	800	"
	0	830	"
	0	900	"
	2.69	930	North side of MLK/S@~2mph
	0.56	1000	"
	0	1030	"
	0	1100	"
	0	1130	"
	0	1200	"
	1.65	1300	"
	0	1330	"
	0	1400	"
	0	1430	"
	0	1500	"
	0	1530	"
	0	1600	"
	0	1630	"
	0	1700	"

**not digging from 0800-0830, 0930-1130, 1300-1400, and 1500-1700*

Date:	FID Reading	Time	Location/Wind
10/31/2003		730	
	0	800	
	0	830	
	1.65	900	
	2.39	930	
	1.24	1000	
	0	1030	
	0	1100	
	0	1130	
	0	1200	
	0	1230	
	0	1300	
	2.61	1330	
	1.41	1400	
	1.95	1430	
	0	1500	
	0	1530	
	0	1600	
	0	1630	
	0	1700	

Singley-Kerr McGee project
Hattiesburg, MS

<u>Date:</u>	<u>FID Reading</u>	<u>Time</u>	<u>Location/Wind</u>
10/31/2003	na	730	MLK/S@~2mph
	0	800	"
	0	830	"
	2.98	900	"
	0	930	"
	0	1000	"
	0	1030	"
	0	1100	"
	1.25	1130	"
	1.2	1200	"
	0	1300	"
	0	1330	"
	0	1400	"
	0	1430	"

<u>Date:</u>	<u>FID Reading</u>	<u>Time</u>	<u>Location/Wind</u>
11/03/2003	na	730	MLK/wind calm
	0	800	"
	0	830	"
	0	900	"
	0	930	"
	0	1000	"
	0	1030	"
	0	1100	"
	0	1130	"
	0	1200	"
	1.16	1300	"
	0.76	1330	"
	0	1400	"
	0	1430	"
	0	1500	"
	0	1530	"
	0	1600	"
	0	1630	"
	0	1700	"

*not digging from 0800-1000 and 1430-1500

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Email: enteklabs@att.net



**INDUSTRIAL HYGIENE
KERR - McGEE / HATTIESBURG, MS SAMPLES
COAL TAR VOLATILE ANALYSES
Samples Received: 10/03/03**

FOR

**EARTH CONSULTING GROUP
POST OFFICE BOX 1246
MADISON, MS 39130**

ATTENTION: C. THOMAS

**OCTOBER 22, 2003
PROJECT NO.: 3-3383**

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net




Earth Consulting Group
Madison, MS
Attention: C. Thomas


October 22, 2003
Project No.: 3-3383

Eight cassette samples were received October 3, 2003. The samples were analyzed for Coal Tar Volatiles by OSHA Method 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:


Sayi Malineni
QA Coordinator


Sham L. Sachdev, Ph.D., CHCM
Laboratory Director

ddk

Earth Consulting Group
Madison, MS
Attention: C. Thomas

October 22, 2003
Project No.: 3-3383

Entek Sample ID: 03-15561

Sample ID: 92301

Sample Date: 9/23-25/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.952	155.983	3.0	1.5	0.062	900.00	0.07

Entek Sample ID: 03-15562

Sample ID: 92302

Sample Date: 9/23-25/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.369	155.387	3.0	1.5	0.036	900.00	0.04

Entek Sample ID: 03-15563

Sample ID: 92303 Blank

Sample Date: 9/23-25/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.189	155.196	3.0	1.5	0.014	-	-

Entek Sample ID: 03-15564

Sample ID: 92401

Sample Date: 9/23-25/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.737	156.751	3.0	1.5	0.028	1080.00	0.03

Earth Consulting Group
Madison, MS
Attention: C. Thomas

October 22, 2003
Project No.: 3-3383

Entek Sample ID: 03-15565

Sample ID: 92402

Sample Date: 9/23-25/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	154.617	154.632	3.0	1.5	0.030	1080.00	0.03

Entek Sample ID: 03-15566

Sample ID: 92501

Sample Date: 9/23-25/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.973	155.986	3.0	1.5	0.026	1140.00	0.02

Entek Sample ID: 03-15567

Sample ID: 92502

Sample Date: 9/23-25/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	154.941	154.952	3.0	1.5	0.022	1140.00	0.02

Entek Sample ID: 03-15568

Sample ID: 92503

Sample Date: 9/23-25/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.595	156.603	3.0	1.5	0.016	-	-

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Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: C. Thomas

October 22, 2003
Project No.: 3-3383

Quality Control

	Method Number	Quant. Limit (mg)	QA/QC
BSF*	OSHA 58	0.01	199.45/200.0
	Run 1 (mg)	Run 2 (mg)	%RPD
BSF*	199.446	199.45	0.002

DTA Start 10/16/03 0900 AJ
DTA Finish 10/20/03 1500 AJ

* BSF - Benzene Soluble Fraction.

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

CHAIN OF CUSTODY RECORD

COMPANY:

Earth Consulting Group
P.O. Box 1746
Madison, MS 39130

ENTEK PROJECT NUMBER:

3ECG3383

TURNAROUND TIME:
NEED BY DATE:

(Circle one)
Reg. / Rush

ATTN: C. Thomas
PHONE: 601-853-2134
FAX: 601-856-3978
P.O.# 5149.001

-Sampler Must Complete-

Sampler's Name:	<u>Matthew Country</u>
Number of Sample(s):	<u>(8)</u>
Date/Time Sampled:	<u>9/23 9/24 9/25/03</u>
Number & Type of Containers:	<u>8 cassette filters</u>
Matrix:	<u>cassette</u>
Transporting Cooler Temperature:	<u>Room Temp</u>

SAMPLE LOCATION:

Kerr-Magee
Hattiesburg, MS

SAMPLE IDENTIFICATION	PROVIDER	SAMPLING SITE ACCEPTABLE CONTAINER/PACKING ETC.	ANALYSES REQUESTED	STORAGE
<u>92301</u>			} }	
<u>92302</u>				
<u>92303 BLANK</u>				
<u>92401</u>				
<u>92402</u>				
<u>92501</u>				
<u>92502</u>				
<u>92503 BLANK</u>				

SPECIAL INSTRUCTIONS:

**Acceptable headspace criteria for VOC samples Yes ___ No ___

CHAIN OF POSSESSION:	SAMPLE TEMPERATURE AT SAMPLE RECEIPT: <u>Room Temp.</u>	
RELEASED BY	RECEIVED BY	DATE/TIME
<u>[Signature]</u>	<u>Kristen N. Stevens Entek</u>	<u>10.03.03</u>
	<u>Rec'd Fed Ex.</u>	<u>1030</u>

EARTH CONSULTING GROUP, INC.

AIR SAMPLING FIELD DATA SHEET

3ECG3383

Client	Singley Construction	
City	Hatfieldburg, Mo	Location: Kerr Megee
EarthCon Project #	8149.001	Area: Florence + Scooba St.
Contractor	Singley Construction	Removal Type: Dig
Collected By	W. Helms	Date: 9/25/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
92501	Ditch Between Florence + Scooba St.	Air
92502	" " " " " " west	Air
92503	BLANK	Blank

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04		
Begin Time	7:30 AM	7:30 AM	B			
End Time	5:00 PM	5:00 PM	L			
Down Time (min)			A			
Total Time (min)	570	570	N			
Flow Rate (L/min)	2.0	2.0	1L			
Total Volume (L)	1140	1140				
Fibers Counted						
Fields Counted						
Fiber Conc. (fibers/cm ³)						
Detection Limit (fibers/cm ³)						
Time Weighted Average						
8 Hour TWA						
QC Fibers Counted						

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

EARTH CONSULTING GROUP, INC.

AIR SAMPLING FIELD DATA SHEET

3ECG3383

Client	Singley Construction	
City	Hattiesburg, Ms	Location: Kerr
EarthCon Project #	S1Y92001	Area: Florence + Scooba St.
Contractor	Singley Construction	Removal Type: Dig
Collected By	Kevin Foey UAM	Date: 9/23/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
92301	Ditch Florence + Scooba Street	Air
92302	" " + " " west	Air
92303	BLANK	QUAL

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04			
Begin Time	7:30AM	7:30AM	B				
End Time	3:00PM	3:00PM	L				
Down Time (min)			A				
Total Time (min)	450	450	V				
Flow Rate (L/min)	2.0	2.0	K				
Total Volume (L)	900	900					
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

EARTH CONSULTING GROUP, INC.

AIR SAMPLING FIELD DATA SHEET

3FCG3383

Client	Singley Construction	
City	Hattiesburg MS	Location: Kerr Magee
EarthCon Project #	5149.001	Area: Florence & Scooba St
Contractor	Singley Construction	Removal Type: Dig
Collected By	Matthew Courtney	Date: 9/24/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
92Y01	Florence & Scooba Street (Ditch)	Air
92Y02	" " " " west	Air

SAMPLING AND ANALYTICAL DATA

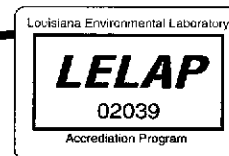
Sample #	01	02	03	04			
Begin Time	8:00AM	8:00AM					
End Time	8:00PM	8:00PM					
Down Time (min)	-	-					
Total Time (min)	540	540					
Flow Rate (L/min)	2.0	2.0					
Total Volume (L)	1080	1080					
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

ENTEK

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Email: enteklabs@att.net




Earth Consulting Group
Madison, MS
Attention: C. Thomas


October 23, 2003
Project No.: 3-3430

Eighteen cassette samples were received October 8, 2003. The samples were analyzed for Coal Tar Volatiles by OSHA Method 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:


Sayi Malineni
QA Coordinator


Sham L. Sachdev, Ph.D., CHCM
Laboratory Director

ddk

ENTEK

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INDUSTRIAL HYGIENE
KERR - McGEE / HATTIESBURG, MS SAMPLES
COAL TAR VOLATILE ANALYSES
Samples Received: 10/08/03

FOR

EARTH CONSULTING GROUP
POST OFFICE BOX 1246
MADISON, MS 39130

ATTENTION: C. THOMAS

OCTOBER 23, 2003
PROJECT NO.: 3-3430

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
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Earth Consulting Group
Madison, MS
Attention: C. Thomas

October 23, 2003
Project No.: 3-3430

Entek Sample ID: 03-15859

Sample ID: 92901

Sample Date: 9/29-10/02/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.983	155.987	3.0	1.5	<0.010	1080	<0.01

Entek Sample ID: 03-15860

Sample ID: 92902

Sample Date: 9/29-10/02/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.387	155.392	3.0	1.5	0.010	1080	0.01

Entek Sample ID: 03-15861

Sample ID: 92903

Sample Date: 9/29-10/02/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.196	155.205	3.0	1.5	0.018	1080	0.02

Entek Sample ID: 03-15862

Sample ID: 92904

Sample Date: 9/29-10/02/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.751	156.746	3.0	1.5	<0.010	1080	<0.01

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Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: C. Thomas

October 23, 2003
Project No.: 3-3430

Entek Sample ID: 03-15863

Sample ID: 92905

Sample Date: 9/29-10/02/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	154.632	154.629	3.0	1.5	<0.01	-	-

Entek Sample ID: 03-15864

Sample ID: 93001

Sample Date: 9/29-10/02/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.986	155.995	3.0	1.5	0.018	1080	0.02

Entek Sample ID: 03-15865

Sample ID: 93002

Sample Date: 9/29-10/02/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	154.952	154.961	3.0	1.5	0.018	1080	0.02

Entek Sample ID: 03-15866

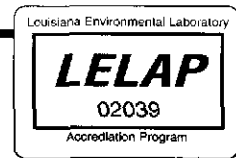
Sample ID: 93003

Sample Date: 9/29-10/02/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.603	156.626	3.0	1.5	0.046	1080	0.04

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Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: C. Thomas

October 23, 2003
Project No.: 3-3430

Entek Sample ID: 03-15867

Sample ID: 93004

Sample Date: 9/29-10/02/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.877	155.883	3.0	1.5	0.012	1080	0.01

Entek Sample ID: 03-15868

Sample ID: 1011

Sample Date: 9/29-10/02/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.231	156.231	3.0	1.5	<0.01	1080	<0.01

Entek Sample ID: 03-15869

Sample ID: 1012

Sample Date: 9/29-10/02/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.987	155.992	3.0	1.5	0.010	1080	0.01

Entek Sample ID: 03-15870

Sample ID: 1013

Sample Date: 9/29-10/02/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.392	155.413	3.0	1.5	0.042	1080	0.04

Earth Consulting Group
Madison, MS
Attention: C. Thomas

October 23, 2003
Project No.: 3-3430

Entek Sample ID: 03-15871

Sample ID: 1014

Sample Date: 9/29-10/02/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.746	156.763	3.0	1.5	0.034	1080	0.03

Entek Sample ID: 03-15872

Sample ID: 1015

Sample Date: 9/29-10/02/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.205	155.210	3.0	1.5	0.010	-	-

Entek Sample ID: 03-15873

Sample ID: 10201

Sample Date: 9/29-10/02/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	154.629	154.637	3.0	1.5	0.016	1080	0.01

Entek Sample ID: 03-15874

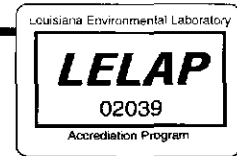
Sample ID: 10202

Sample Date: 9/29-10/02/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.995	156.011	3.0	1.5	0.032	1080	0.03

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Earth Consulting Group
Madison, MS
Attention: C. Thomas

October 23, 2003
Project No.: 3-3430

Entek Sample ID: 03-15875

Sample ID: 10203

Sample Date: 9/29-10/02/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	154.952	154.990	3.0	1.5	0.076	1080	0.07

Entek Sample ID: 03-15876

Sample ID: 10204

Sample Date: 9/29-10/02/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	160.012	160.117	3.0	1.5	0.210	1080	0.19

Quality Control

	Method Number	Quant. Limit (mg)	QA/QC
BSF*	OSHA 58	0.01	199.45/200.0
	Run 1 (mg)	Run 2 (mg)	%RPD
BSF*	199.446	199.45	0.002

DTA Start 10/16/03 0900 AJ

DTA Finish 10/20/03 1500 AJ

* BSF - Benzene Soluble Fraction.

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

CHAIN OF CUSTODY RECORD

COMPANY:

Earth Consulting Group
P.O. Box 1246
Madison, MS 39130

ENTEK PROJECT NUMBER:

3ECG3430

TURNAROUND TIME:

(circle one) Reg. / Rush

NEED BY DATE:

ATTN: C. Thomas
 PHONE: 601-853-2134
 FAX: 601-856-3978
 P.O.# 5149.001

-Sampler Must Complete-

Sampler's Name:	<u>Matthew Country</u>
Number of Sample(s):	<u>w/ (9)</u>
Date/Time Sampled:	<u>9/29 9/30/03/10/1/10/2/04/03</u>
Number & Type of Containers:	
Matrix:	<u>cassettes</u>
Transporting Cooler Temperature:	<u>Room Temp</u>

SAMPLE LOCATION:

Kerr-Mcgee
Hattiesburg, MS

SAMPLE IDENTIFICATION	PROVD V, T, N	SAMPLE NOTES ACCEPTABLE CONTAINER, PACKING, ETC.	ANALYSES REQUESTED	STORAGE
92901			<u>OSHA 58</u>	
92902			<u>Coal Tar Volatiles</u>	
92903			<u>Air</u>	
92904				
92905		<u>QA/QC</u>		
93001				
93002				
93003				
93004				

SPECIAL INSTRUCTIONS:

**Acceptable headspace criteria for VOC samples Yes ___ No ___

CHAIN OF POSSESSION:

SAMPLE TEMPERATURE AT SAMPLE RECEIPT: Room Temp

RELINQUISHED BY	RECEIVED BY	DATE/TIME
<u>W. J. H. / Reed Fed Ex</u>	<u>Kristen N. Stevens Entek</u>	<u>10-08-03</u> <u>1015</u>

P1/2

CHAIN OF CUSTODY RECORD

COMPANY:

Earth Consulting Group
P.O. Box 1246
Madison, MS 39130

ENTEK PROJECT NUMBER:

3ECG3430

TURNAROUND TIME:

(circle one)
Reg. / Rush

NEED BY DATE:

ATTN: C. Thomas
PHONE: 601-853-2134
FAX: 601-856-3978
P.O.# 5149.001

~Sampler Must Complete~

Sampler's Name:	<u>Matthew Courtney</u>
Number of Sample(s):	<u>(9)</u>
Date/Time Sampled:	<u>10/1 10/2/03</u>
Number & Type of Containers:	
Matrix:	<u>cassettes</u>
Transporting Cooler Temperature:	<u>Room Temp</u>

SAMPLE LOCATION:

Kear-Magee
Hattiesburg, MS

SAMPLE IDENTIFICATION	PRESV BY / N	SAMPLER NOTES ACCEPTABLE CONTAINER, PACKING, ETC.	ANALYSES REQUESTED	STORAGE
<u>1011</u>			<u>OSHA 58</u>	
<u>1012</u>			<u>Coal Tar Volatiles</u>	
<u>1013</u>			<u>Air</u>	
<u>1014</u>				
<u>1015 RAQC</u>				
<u>10201</u>				
<u>10202</u>				
<u>10203</u>				
<u>10204</u>				

SPECIAL INSTRUCTIONS:

**Acceptable headspace criteria for VOC samples Yes ___ No ___

CHAIN OF POSSESSION:

SAMPLE TEMPERATURE AT SAMPLE RECEIPT: Room Temp

ISSUED BY	RECEIVED BY	DATE/TIME
<u>W. Johnson</u>	<u>Kristen N Stevens - Entek</u>	<u>10-08-03</u>
<u>Reid Fed Ex</u>		<u>e 1015</u>

P2/2

EARTH CONSULTING GROUP, INC.
AIR SAMPLING FIELD DATA SHEET

3ECC3430

Client	Singley - Kerr Mc Gee	
City	Hattiesburg, MS	Location: Courtesy Ford
EarthCon Project #	S149.002	Area: Parking Lot next to Paint shop
Contractor	Singley	Removal Type: Excavation
Collected By	MFC	Date: 9/29/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
92901	Westernmost side of North Facing Fence	
92902	East of 92901 on North Facing Fence	
92903	B/W Frac-Tank & Body Shop	
92904	Southern Fence	
92905	BLAVIL	QA/QC

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04	05		
Begin Time	0800	0800	0800	0800	8		
End Time	1700	1700	1700	1700	L		
Down Time (min)					A		
Total Time (min)	5:30 min	5:30 min	5:30 min	5:30 min	N		
Flow Rate (L/min)	2	2	2	2	10		
Total Volume (L)	1080	1080	1080	1080			
Fibers Counted							
Fields Counted							
Fiber Conc. (fibers/cm ³)							
Detection Limit (fibers/cm ³)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

EARTH CONSULTING GROUP, INC.
AIR SAMPLING FIELD DATA SHEET

3ECG3430

Client	Singley - Ken McGee	
City	Hattiesburg, MS	Location: Hattiesburg
EarthCon Project #	S149.002	Area: COURTESY FORD
Contractor	Singley	Removal Type: Excavation
Collected By	Kevin Treg	Date: 9/30/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
93001	Westmost side of N. Facing Fence	
93002	E. of 93001 on N. Facing Fence	
93003	B/W Fac. - Tank & Body Shop	
93004	Southern Fence	

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04			
Begin Time	0800	0800	0800	0800			
End Time	1700	1700	1700	1700			
Down Time (min)							
Total Time (min)	540	540	540	540			
Flow Rate (L/min)	2	2	2	2			
Total Volume (L)	1080	1080	1080	1080			
Fibers Counted							
Fields Counted							
Fiber Conc. (fibers/cm ³)							
Detection Limit (fibers/cm ³)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

-EARTH CONSULTING GROUP INC.
AIR SAMPLING FIELD DATA SHEET

3ECCG3430

Client	Singly - Kern McClure	
City	Hattiesburg, MS	Location: Hattiesburg
EarthCon Project #	514902	Area: Courtesy Ford P/C between Shop & Rd.
Contractor	Singly	Removal Type: Excavation
Collected By	MFC	Date: 10/01

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
1011	Westernmost side of N. Facing Fence	
1012	E. of #011 on N. Facing Fence	
1013	B/W Franc. Tank & Body Shop	
1014	Southern fence	
1015	BLANK	QA/QC

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04	05		
Begin Time	0800	0800	0800	0800	15		
End Time	1700	1700	1700	1700	L		
Down Time (min)					A		
Total Time (min)	540	540	540	540	2		
Flow Rate (L/min)	2	2	2	2	1L		
Total Volume (L)	1080	1080	1080	1080			
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

EARTH CONSULTING GROUP, INC.

AIR SAMPLING FIELD DATA SHEET

3ECG3430

Client	SINGLEY - KERR MCGEE	
City	HATTIESBURG, MS	Location: HATTIESBURG
EarthCon Project #	S149.002	Area:
Contractor	SINGLEY	Removal Type:
Collected By	KTE	Date: 10-02-03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
10201	SAME POSITION AS YESTERDAY	
10202	" " "	
10203	" " "	
10204	" " "	

SAMPLING AND ANALYTICAL DATA

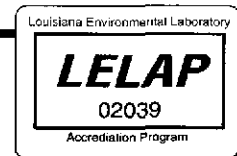
Sample #	01	02	03	04			
Begin Time	0800	0800	0800	0800			
End Time	1700	1700	1700	1700			
Down Time (min)							
Total Time (min)	540	540	540	540			
Flow Rate (L/min)	2	2	2	2			
Total Volume (L)	1080	1080	1080	1080			
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



**INDUSTRIAL HYGIENE
KERR - McGEE / HATTIESBURG, MS SAMPLES
COAL TAR VOLATILE ANALYSES
Samples Received: 10/15/03**

FOR

**EARTH CONSULTING GROUP
POST OFFICE BOX 1246
MADISON, MS 39130**

ATTENTION: W. HAL MOORE

**NOVEMBER 5, 2003
PROJECT NO.: 3-3509**

Page 1 of 6

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ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

November 5, 2003
Project No.: 3-3509

Nine cassette samples were received October 15, 2003. The samples were analyzed for Coal Tar Volatiles by OSHA Method 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

A handwritten signature in cursive script, appearing to read "Sayi Malineni".

Sayi Malineni
QA Coordinator

A handwritten signature in cursive script, appearing to read "Sham L. Sachdev".

Sham L. Sachdev, Ph.D., CHCM
Laboratory Director

ddk

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

November 5, 2003
Project No.: 3-3509

Entek Sample ID: 03-16264

Sample ID: 10601

Sample Date: 10/06,07/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.200	156.209	3.0	1.5	0.018	1080	0.017

Entek Sample ID: 03-16265

Sample ID: 10602

Sample Date: 10/06,07/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.585	155.601	3.0	1.5	0.032	1080	0.030

Entek Sample ID: 03-16266

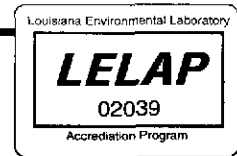
Sample ID: 10603

Sample Date: 10/06,07/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.968	156.975	3.0	1.5	0.014	1080	0.013

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ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

November 5, 2003
Project No.: 3-3509

Entek Sample ID: 03-16267

Sample ID: 10604

Sample Date: 10/06,07/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	154.839	154.851	3.0	1.5	0.024	1080	0.022

Entek Sample ID: 03-16268

Sample ID: 10605

Sample Date: 10/06,07/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.176	156.180	3.0	1.5	0.008	1080	<0.01

Entek Sample ID: 03-16269

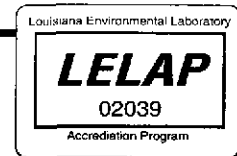
Sample ID: 10701

Sample Date: 10/06,07/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.142	155.151	3.0	1.5	0.018	1080	0.017

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

November 5, 2003
Project No.: 3-3509

Entek Sample ID: 03-16270

Sample ID: 10702

Sample Date: 10/06,07/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.812	156.820	3.0	1.5	0.016	1080	0.015

Entek Sample ID: 03-16271

Sample ID: 10703

Sample Date: 10/06,07/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.074	156.116	3.0	1.5	0.084	1080	0.078

Entek Sample ID: 03-16272

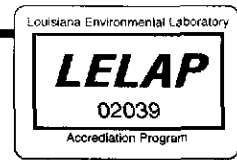
Sample ID: 10704

Sample Date: 10/06,07/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.403	156.405	3.0	1.5	0.004	1080	<0.01

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

November 5, 2003
Project No.: 3-3509

Quality Control

	Method Number	Quant. Limit (mg)	QA/QC
BSF*	OSHA 58	0.01	199.684/200.00
	Run 1 (mg)	Run 2 (mg)	%RPD
BSF*	199.684	199.676	0.004

DTA Start 10/30/03 0900 AJ
DTA Finish 10/31/03 1630 AJ

* BSF - Benzene Soluble Fraction.

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

CHAIN OF CUSTODY RECORD

COMPANY:

Earth Consulting Group
P.O. Box 1246
Madison, Ms 39130

ENTEK PROJECT NUMBER:

3EGG-3509

(circle one)

TURNAROUND TIME:

Reg. / Rush

NEED BY DATE:

ATTN: W. Hal Moore
PHONE: 601-853-2134
FAX: 601-856-3978
P.O.# SN9.001

-Sampler Must Complete-

Sampler's Name: <u>Matthew Courtney</u>
Number of Sample(s): <u>(8)</u>
Date/Time Sampled: <u>10/6, 10/7/03</u>
Number & Type of Containers:
Matrix:
Transporting Cooler Temperature:

SAMPLE LOCATION:

Hattiesburg, Ms
with

SAMPLE IDENTIFICATION	PRESV Y / N	SAMPLE NOTES ACCERTABLE CONTAINER PACKING ETC.	ANALYSES REQUESTED	STORAGE
10601			OSHA 58	
10602			Coal Tar Volatile	
10603			Air	
10604				
10605		AIR		
10701				
10702				
10703				
10704				

SPECIAL INSTRUCTIONS:

**Acceptable headspace criteria for VOC samples Yes ___ No ___

CHAIN OF POSSESSION:

SAMPLE TEMPERATURE AT SAMPLE RECEIPT: N/A

RENDERED BY	RECEIVED BY	DATE/TIME
<u>W. Hal Moore</u>	<u>David Smeed-Entek</u>	<u>10/5/03</u>
<u>Rebecca Fisher</u>	<u>David Smeed-Entek</u>	<u>10/15</u>

1/3

Client	Singly - Kerr McLean	Location:	CAJETESY FORD
City		Area:	Pit # 2 - 7 Next to Rd on S. End of Country Parkway Lot
EarthCon Project #	S/49.00L	Removal Type:	Excavation
Contractor	Singly	Date:	10/6/03
Collected By	MC		

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
10601	Under tree on S side of Rd	
10602	Fence on E. side of P.L. (closest to excavation)	
10603	East Fence	
10604	~ 30 yds to the North of 10602	
10605	BLANK	OUTAC

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04	05		
Begin Time	0800	0800	0800	0800 AM	B		
End Time	9:00	9:00	9:00	9:00 AM	L		
Down Time (min)					A		
Total Time (min)	5:40 hr	5:40 hr	5:40 hr	5:40 hr	2		
Flow Rate (L/min)	2	2	2	2	1		
Total Volume (L)	1080 ml	1080 ml	1080 ml	1080 ml			
Fibers Counted							
Fields Counted							
Fiber Conc. (fibers/cm3)							
Detection Limit (fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

2/3

EARTH CONSULTING GROUP INC.
AIR SAMPLING FIELD DATA SHEET

3ECG-3509

Client	SINGLEY, KERR MCGEE	
City	HATTIESBURG, MS	Location: COURTESY FORD
EarthCon Project #	S149.002	Area: PIT #2
Contractor	SINGLEY	Removal Type: EXCAVATION
Collected By	KT	Date: 10/7/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
10701	SAME AS 10-6-03	
10702	" " "	
10703	" " "	
10704	" " "	

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04			
Begin Time	0800	0800	0800	0800			
End Time	1700	1700	1700	1700			
Down Time (min)							
Total Time (min)	540	540	540	540			
Flow Rate (L/min)	2	2	2	2			
Total Volume (L)	1080 LTR	1080 LTR	1080 LTR	1080 LTR			
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

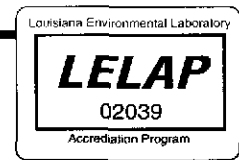
Analyses Conducted in Accordance with NIOSH Method 7400

3/3

Keith Schaf 10/7/03
 Analyst/Date

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



**INDUSTRIAL HYGIENE
KERR - MCGEE / HATTIESBURG, MS SAMPLES
COAL TAR VOLATILE ANALYSES**

Samples Received: 10/15/03

FOR

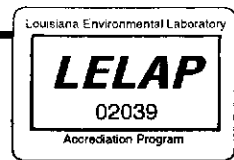
**EARTH CONSULTING GROUP
POST OFFICE BOX 1246
MADISON, MS 39130**

ATTENTION: W. HAL MOORE

**NOVEMBER 5, 2003
PROJECT NO.: 3-3508**

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

November 5, 2003
Project No.: 3-3508

Nine cassette samples were received October 15, 2003. The samples were analyzed for Coal Tar Volatiles by OSHA Method 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

A handwritten signature in cursive script, appearing to read "Sayi Malineni".

Sayi Malineni
QA Coordinator

A handwritten signature in cursive script, appearing to read "Sham L. Sachdev".

Sham L. Sachdev, Ph.D., CHCM
Laboratory Director

ddk

Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

November 5, 2003
Project No.: 3-3508

Entek Sample ID: 03-16255

Sample ID: 10801

Sample Date: 10/08,09/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.173	156.180	3.0	1.5	0.014	1080	0.013

Entek Sample ID: 03-16256

Sample ID: 10802

Sample Date: 10/08,09/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.583	155.587	3.0	1.5	0.008	1080	<0.01

Entek Sample ID: 03-16257

Sample ID: 10803

Sample Date: 10/08,09/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.400	155.414	3.0	1.5	0.028	1080	0.026

Entek Sample ID: 03-16258

Sample ID: 10804

Sample Date: 10/08,09/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.967	157.130	3.0	1.5	0.326	1080	0.302

Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

November 5, 2003
Project No.: 3-3508

Entek Sample ID: 03-16259

Sample ID: 10805

Sample Date: 10/08,09/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	154.843	154.846	3.0	1.5	0.006	1080	<0.01

Entek Sample ID: 03-16260

Sample ID: 10901

Sample Date: 10/08,09/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.218	156.224	3.0	1.5	0.012	1080	0.011

Entek Sample ID: 03-16261

Sample ID: 10902

Sample Date: 10/08,09/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.121	155.137	3.0	1.5	0.032	1080	0.030

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

November 5, 2003
Project No.: 3-3508

Entek Sample ID: 03-16262

Sample ID: 10903

Sample Date: 10/08,09/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.831	156.839	3.0	1.5	0.016	1080	0.015

Entek Sample ID: 03-16263

Sample ID: 10904

Sample Date: 10/08,09/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.075	156.083	3.0	1.5	0.016	1080	0.015

Quality Control

	Method Number	Quant. Limit (mg)	QA/QC
BSF*	OSHA 58	0.01	199.684/200.00

	Run 1 (mg)	Run 2 (mg)	%RPD
BSF*	199.684	199.676	0.004

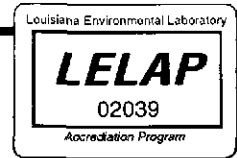
DTA Start 10/30/03 0900 AJ
DTA Finish 10/31/03 1630 AJ

* BSF - Benzene Soluble Fraction.

The sample results were all below the PEL of 0.20mg/m³ for the BSF except Sample ID 10804. Subsequently, the analysis for individual PAH's was performed on Sample ID 10804.

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Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

November 5, 2003
Project No.: 3-3508

Entek Sample ID: 03-16258

Sample ID: 10804

Sample Date: 10/08,09/03

Analyte Name	M.W.	Total (µg)	Air Vol (L)	Conc. ppb
Phenanthrene	178.22	<0.75	1080	<0.095
Anthracene	178.22	<0.75	1080	<0.095
Pyrene	202.24	<0.75	1080	<0.084
Chrysene	228.28	<0.75	1080	<0.074
Benzo(a)pyrene	252.30	<0.75	1080	<0.067

Quality Control

Analyte Name	Method Number	Reporting Limit (µg/mL)	Detection Limit (µg/mL)	QA/QC (obs/act)
Phenanthrene	OSHA 58	0.251/0.25	0.25	10.1/10.0
Anthracene	OSHA 58	0.267/0.25	0.25	11.0/10.0
Pyrene	OSHA 58	0.278/0.25	0.25	10.6/10.0
Chrysene	OSHA 58	0.207/0.25	0.25	10.0/10.0
Benzo(a)pyrene	OSHA 58	0.236/0.25	0.25	10.2/10.0

Analyte Name	Run 1 (µg)	Run 2 (µg)	%RPD
Phenanthrene	10.06	9.54	5.31
Anthracene	10.98	10.75	2.12
Pyrene	10.57	10.61	0.38
Chrysene	10.00	9.77	2.33
Benzo(a)pyrene	10.20	9.80	4.00

DTA Start 11/4/03 1200 AJ
DTA Finish 11/6/03 1300 AJ
Desorbed 10/30/03 AJ

All samples are corrected by blank values unless otherwise stated.
Samples were desorbed in 3mLs of solvent.

CHAIN OF CUSTODY RECORD

COMPANY:

Earth Consulting Group
P.O. Box 1246
Madison, MS 39130

ENTEK PROJECT NUMBER:

3EC63508

(circle one)

TURNAROUND TIME:
 NEED BY DATE:

Reg. / Rush

ATTN: W. Hal Moore
 PHONE: 601-853-2134
 FAX: 601-856-3978
 P.O.# SN9.001

~Sampler Must Complete~

Sampler's Name:	<u>Matthew Courtney</u>
Number of Sample(s):	<u>(8)</u>
Date/Time Sampled:	<u>10/8 10/9/03</u>
Number & Type of Containers:	<u>WHA</u>
Matrix:	
Transporting Cooler Temperature:	

SAMPLE LOCATION:

Hattiesburg, MS

SAMPLE IDENTIFICATION	PROVD P. I. N.	SAMPLER NOTES ACCEPTABLE CONTAINER, PACKING, ETC.	ANALYSES REQUESTED	STORAGE
<u>10801</u>			<u>OSHA 58</u>	
<u>10802</u>			<u>Coal Tar Volatiles</u>	
<u>10803</u>			<u>A2</u>	
<u>10804</u>				
<u>10805</u>		<u>DUAC</u>		
<u>10901</u>				
<u>10902</u>				
<u>10903</u>				
<u>10904</u>				

SPECIAL INSTRUCTIONS:

**Acceptable headspace criteria for VOC samples Yes ___ No ___

CHAIN OF POSSESSION:

SAMPLE TEMPERATURE AT SAMPLE RECEIPT: 10/11

REMOVED BY	RECEIVED BY	DATE/TIME
<u>W. Hal Moore</u>	<u>Wares Kruegel-Entek</u>	<u>10/15/03</u>
<u>rec'd via Fed Ex</u>		<u>1015</u>

EARTH CONSULTING GROUP INC.
AIR SAMPLING FIELD DATA SHEET

3 Feb 2008

Client	Single - Kerr Mcbee	
City	Hattiesburg, MS	Location: Hattiesburg
EarthCon Project #	5149.002	Area: PT #2
Contractor	Smully	Removal Type: Excavation
Collected By	MC	Date: 10/13/03 MCL

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
10801	East Fence	Arcs
10802	~ 30 yds East of 10801	
10803	5 Easternmost corner of Excavation	
10804	Southern Fence	
10805	BLANK	QC

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04	05		
Begin Time	0800	0800	0800	0800	B		
End Time	1700	1700	1700	1700	L		
Down Time (min)					A		
Total Time (min)	2	2	2	2 MCL	N		
Flow Rate (L/min)	540	540	540	540 MCL	1L		
Total Volume (L)	1080	1080	1080	1080			
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

2/3

EARTH CONSULTING GROUP, INC.

AIR SAMPLING FIELD DATA SHEET

3ECG3508

Client	SINGLEY-KERR McGEE		
City	NATTIESBORG	Location: COURTESY FORD	
EarthCon Project #	S149.002	Area: PIT #2 & DITCH	
Contractor	SINGLEY	Removal Type: EXCAVATION	
Collected By	KTI	Date: 10/9/03	

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
10901	SAME AS 10/8/03	
10902	" "	
10903	" "	
10904	30 YARD WEST OF PUMP #1	

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04			
Begin Time	0800	0800	0800	0800			
End Time	1400	1400	1400	1400			
Down Time (min)	-	-	-	-			
Total Time (min)	360	360	360	360			
Flow Rate (L/min)	2	2	2	2			
Total Volume (L)	720	720	720	720			
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

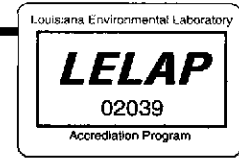
Analyses Conducted in Accordance with NIOSH Method 7400

3/3

Kevin L. Cho 10/9/03
 Analyst/Date

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**INDUSTRIAL HYGIENE
KERR - MCGEE / HATTIESBURG, MS SAMPLES
COAL TAR VOLATILE ANALYSES
Samples Received: 10/21/03**

FOR

**EARTH CONSULTING GROUP
POST OFFICE BOX 1246
MADISON, MS 39130**

ATTENTION: W. HAL MOORE

**NOVEMBER 11, 2003
PROJECT NO.: 3-3566**

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
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Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

November 11, 2003
Project No.: 3-3566

Twenty-six cassette samples were received October 21, 2003. The samples were analyzed for Coal Tar Volatiles by OSHA Method 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

A handwritten signature in cursive script, appearing to read "Sayi Malineni".

Sayi Malineni
QA Coordinator

A handwritten signature in cursive script, appearing to read "Sham L. Sachdev".

Sham L. Sachdev, Ph.D., CHCM
Laboratory Director

ddk

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Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

November 11, 2003
Project No.: 3-3566

Entek Sample ID: 03-16664

Sample ID: 101301

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.164	156.206	3.0	1.5	0.084	1140	0.074

Entek Sample ID: 03-16665

Sample ID: 101302

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.589	155.607	3.0	1.5	0.036	1140	0.032

Entek Sample ID: 03-16666

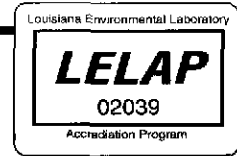
Sample ID: 101303

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.385	155.409	3.0	1.5	0.048	1140	0.042

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Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

November 11, 2003
Project No.: 3-3566

Entek Sample ID: 03-16667

Sample ID: 101304

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.963	156.974	3.0	1.5	0.022	1140	0.019

Entek Sample ID: 03-16668

Sample ID: 101305

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	154.825	154.827	3.0	1.5	<0.01	-	-

Entek Sample ID: 03-16669

Sample ID: 101401

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.226	156.248	3.0	1.5	0.044	1080	0.041

Entek Sample ID: 03-16670

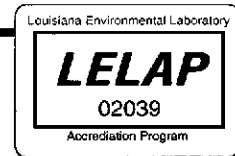
Sample ID: 101402

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.113	155.122	3.0	1.5	0.018	1080	0.017

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Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

November 11, 2003
Project No.: 3-3566

Entek Sample ID: 03-16671

Sample ID: 101403

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.815	156.830	3.0	1.5	0.030	1080	0.028

Entek Sample ID: 03-16672

Sample ID: 101404

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.065	156.083	3.0	1.5	0.036	1080	0.033

Entek Sample ID: 03-16673

Sample ID: 101501

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.405	156.425	3.0	1.5	0.040	1080	0.037

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Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

November 11, 2003
Project No.: 3-3566

Entek Sample ID: 03-16674

Sample ID: 101502

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	160.230	160.258	3.0	1.5	0.056	1080	0.052

Entek Sample ID: 03-16675

Sample ID: 101503

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.544	156.562	3.0	1.5	0.036	1080	0.033

Entek Sample ID: 03-16676

Sample ID: 101504

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.203	156.206	3.0	1.5	<0.010	1080	<0.009

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Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

November 11, 2003
Project No.: 3-3566

Entek Sample ID: 03-16677

Sample ID: 101601

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.599	155.599	3.0	1.5	<0.010	1080	<0.009

Entek Sample ID: 03-16678

Sample ID: 101602

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.409	155.411	3.0	1.5	<0.010	1080	<0.009

Entek Sample ID: 03-16679

Sample ID: 101603

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.958	156.974	3.0	1.5	0.032	1080	0.030

Entek Sample ID: 03-16680

Sample ID: 101604

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	154.815	154.847	3.0	1.5	0.064	1080	0.059

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Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

November 11, 2003
Project No.: 3-3566

Entek Sample ID: 03-16681

Sample ID: 101605

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.247	156.248	3.0	1.5	<0.010	1080	<0.009

Entek Sample ID: 03-16682

Sample ID: 101606

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.089	155.102	3.0	1.5	0.026	1080	0.024

Entek Sample ID: 03-16683

Sample ID: 101607

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.824	156.830	3.0	1.5	0.012	1080	0.011

Entek Sample ID: 03-16684

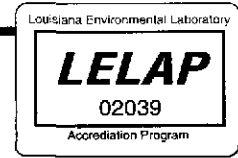
Sample ID: 101608

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.034	156.083	3.0	1.5	0.098	1080	0.091

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Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

November 11, 2003
Project No.: 3-3566

Entek Sample ID: 03-16685

Sample ID: 101609

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.423	156.425	3.0	1.5	<0.010	-	-

Entek Sample ID: 03-16686

Sample ID: 101701

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	160.229	160.258	3.0	1.5	0.058	1080	0.054

Entek Sample ID: 03-16687

Sample ID: 101702

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.526	156.562	3.0	1.5	0.072	1080	0.067

Entek Sample ID: 03-16688

Sample ID: 101703

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.206	156.217	3.0	1.5	0.022	1080	0.020

ENTEK

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Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

November 11, 2003
Project No.: 3-3566

Entek Sample ID: 03-16689

Sample ID: 101704

Sample Date: 10/13-17/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.607	155.630	3.0	1.5	0.046	1080	0.043

Quality Control

	Method Number	Quant. Limit (mg)	QA/QC
BSF*	OSHA 58	0.01	199.68/200.0

	Run 1 (mg)	Run 2 (mg)	%RPD
BSF*	199.683	199.681	0.001

DTA Start 11/04/03 1500 AJ
DTA Finish 11/06/03 1530 AJ

* BSF - Benzene Soluble Fraction.

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

CHAIN OF CUSTODY RECORD

COMPANY:

Earth Consulting Group
P.O. Box 1246
Madison, Ms 39130

ENTEK PROJECT NUMBER:

3ECG 3566

(circle one)

TURNAROUND TIME:

Reg / Rush

NEED BY DATE:

ATTN: W. Hal Moore
 PHONE: 601-853-2134
 FAX: 601-856-3978
 P.O.# SN9.001

-Sampler Must Complete-

Sampler's Name:	<u>Matthew Courtney</u>
Number of Sample(s):	<u>(26)</u>
Date/Time Sampled:	<u>10/13 10/14 10/15/03</u>
Number & Type of Containers:	
Matrix:	
Transporting Cooler Temperature:	

SAMPLE LOCATION:

Hattiesburg, Ms

SAMPLE IDENTIFICATION	PRESV Y/N	SAMPLE NOTES ACCEPTABLE CONTAINER PACKING ETC.	ANALYSES REQUESTED	Storage
<u>101301</u>			<u>OSHA 58</u>	
<u>101302</u>			<u>Coal Tar Volatile</u>	
<u>101303</u>			<u>Air</u>	
<u>101304</u>				
<u>101305</u>		<u>QA/QC</u>		
<u>101401</u>				
<u>101402</u>				
<u>101403</u>				
<u>101404</u>				
<u>101501</u>				
<u>101502</u>				
<u>101503</u>				
<u>101504</u>				

SPECIAL INSTRUCTIONS:

**Acceptable headspace criteria for VOC samples Yes ___ No ___

CHAIN OF POSSESSION:

SAMPLE TEMPERATURE AT SAMPLE RECEIPT:

PREPARED BY	RECEIVED BY	DATE/TIME
<u>W. Hal Moore</u>	<u>Kristen N. Stevens - Entek</u>	<u>10-20-03</u>
	<u>rec'd Fed Ex</u>	<u>1030</u>

CHAIN OF CUSTODY RECORD

COMPANY:

Earth Consulting Group
P.O. Box 1246
Madison, MS 39130

ENTEK PROJECT NUMBER:

3ECG3566

(circle one)

TURNAROUND TIME:

Reg. / Rush

NEED BY DATE:

ATTN: W. Hal Moore
 PHONE: 601-853-2134
 FAX: 601-856-3978
 P.O.# 5149.001

-Sampler Must Complete-

Sampler's Name: <u>Matthew Courtney</u>
Number of Sample(s): <u> </u>
Date/Time Sampled: <u>10/16 10/17/03</u>
Number & Type of Containers: <u> </u>
Matrix: <u> </u>
Transporting Cooler Temperature: <u> </u>

SAMPLE LOCATION:

Hattiesburg, MS

SAMPLE IDENTIFICATION	PRESV Y/N	SAMPLE NOTES ACCEPTABLE CONTAINER/PACKING ETC.	ANALYSES REQUESTED	STORAGE
<u>101601</u>			<u>OSHA 58</u>	
<u>101602</u>			<u>Coal Tar Volatiles</u>	
<u>101603</u>			<u>Air</u>	
<u>101604</u>				
<u>101605</u>				
<u>101606</u>				
<u>101607</u>				
<u>101608</u>				
<u>101609</u>		<u>QA/QC</u>	<u>BLANK</u>	
<u>101701</u>				
<u>101702</u>				
<u>101703</u>				
<u>101704</u>				

SPECIAL INSTRUCTIONS:

**Acceptable headspace criteria for VOC samples Yes ___ No ___

CHAIN OF POSSESSION:

SAMPLE TEMPERATURE AT SAMPLE RECEIPT:

RETRIEVED BY	RECEIVED BY	DATE/TIME
<u>W. Hal Moore</u>	<u>Kristen N. Stevens Entek</u>	<u>10-20-03</u>
	<u>rec'd Fed Ex</u>	<u>1030</u>

EARTH CONSULTING GROUP, INC.
AIR SAMPLING FIELD DATA SHEET

3ECCG3504

Client	Singley - Ken McGee	
City	Hattiesburg, MS	Location: Ditch behind Courtesy Ford
EarthCon Project #	S149.002	Area: "
Contractor	Singley	Removal Type: Dig
Collected By	M.F.C.	Date: 10/13/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
101301	light pole next to ditch	Area
101302	next light pole North of 1st light pole	
101303	next light pole N of 2nd	
101304	next light pole N of 3rd	
101305	BLANK	Area

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04	05		
Begin Time	0730	0730	0730	0730	B		
End Time	1700	1700	1700	1700	L		
Down Time (min)					A		
Total Time (min)	570	570	570	570	N		
Flow Rate (L/min)	2.0	2.0	2.0	2.0	K		
Total Volume (L)	1140	1140	1140	1140			
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

EARTH CONSULTING GROUP, INC.
AIR SAMPLING FIELD DATA SHEET

3ECG356dp

Client	SINGLEY-KERR MCGEE	
City	HATTIESBURG	Location: DITCH BEHIND C.F/STEET CROSSING 2
EarthCon Project #	S149.002 & S149.001	Area: FLORENCE
Contractor	SINGLEY	Removal Type: DIG
Collected By	KTI	Date: 10-14-03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
101401	EAST SIDE OF DITCH	Area
101402	WEST SIDE OF DITCH	
101403	WEST SIDE OF FLORENCE ST AT EXCAVATION	
101404	EAST SIDE OF FLORENCE ST AT EXCAVATION	

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04			
Begin Time	0800	0800	0800	0800			
End Time	1700	1700	1700	1700			
Down Time (min)							
Total Time (min)	540	540	540	540			
Flow Rate (L/min)	2	2	2	2			
Total Volume (L)	1080	1080	1080	1080			
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

TH CONSULTING GROUP, INC.
AIR SAMPLING FIELD DATA SHEET

3ECG3564

Client	SINGLEY-KERR MCGEE	
City	HATTIESBURG	Location: DITCH BEHIND C.F. / STREET CROSSING FLORENCE
EarthCon Project #	S149.002 - S149.001	Area:
Contractor	SINGLEY	Removal Type: DIG
Collected By	KTE	Date: 10-18-03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
101501	EAST SIDE OF DITCH	Area
101502	WEST SIDE OF DITCH	
101503	WEST SIDE OF FLORENCE ST AT EXCAVATION	
101504	EAST SIDE OF FLORENCE ST AT EXCAVATION	

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04			
Begin Time	0800	0800	0800	0800			
End Time	1700	1700	1700	1700			
Down Time (min)							
Total Time (min)	540	540	540	540			
Flow Rate (L/min)	2	2	2	2			
Total Volume (L)	1080	1080	1080	1080			
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

EARTH CONSULTING GROUP, INC.
AIR SAMPLING FIELD DATA SHEET

3ECG3564

Client	Singley - Kerr McGee	
City	Hattiesburg, MS	Location: Ditch behind COURTESY FORD
EarthCon Project #	S149.002	Area: Ditch
Contractor	Singley	Removal Type: Excavation
Collected By	KE	Date: 10/16/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
101601	West side of ditch South of B.S.	Area
101602	West side of ditch North of B.S.	
101603	East side of ditch South of B.S.	
101604	East side of ditch North of B.S.	

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04			
Begin Time	0800	0800	0800	0800			
End Time	1700	1700	1700	1700			
Down Time (min)							
Total Time (min)	570	570	570	570			
Flow Rate (L/min)	2	2	2	2			
Total Volume (L)	1080	1080	1080	1080			
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

EARTH CONSULTING GROUP, INC.

AIR SAMPLING FIELD DATA SHEET

3ECG 3564

Client	Singley - Karr McGee	
City	Hburg, MS	Location: Florence St.
EarthCon Project #	S149.001	Area:
Contractor	Singley	Removal Type: Excavation
Collected By	KT	Date: 10/16/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
101605	East side of Florence St. in front of House	Aces
101606	West side of Florence St. ^{North} South of ditch	
101607	East side of Florence St. South of ditch	
101608	West side of Florence St. North of ditch	
101609	BLANK	QA/QC

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04		
Begin Time	0800	0800	0800	0800		
End Time	1700	1700	1700	1700		
Down Time (min)						
Total Time (min)	540	540	540	540		
Flow Rate (L/min)	2	2	2	2		
Total Volume (L)	1080	1080	1080	1080		
Fibers Counted						
Fields Counted						
Fiber Conc.(fibers/cm3)						
Detection Limit(fibers/cm3)						
Time Weighted Average						
8 Hour TWA						
QC Fibers Counted						

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

EARTH CONSULTING GROUP, INC.

AIR SAMPLING FIELD DATA SHEET

3FCG3564

Client	Singley - Kerr Mc Gee	
City	Hattiesburg, MS	Location: Courtesy Ford
EarthCon Project #	S149.002	Area: Ditch behind body Shop
Contractor	Singley	Removal Type: Excavation
Collected By	MFC	Date: 10/17/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
101701	West side of ditch in front of body Shop	Area
101702	West side of ditch behind body Shop	
101703	East Side of ditch	
101704	East Side of ditch → North of 101703	

SAMPLING AND ANALYTICAL DATA

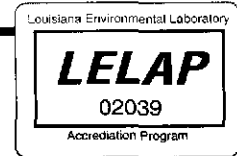
Sample #	01	02	03	04			
Begin Time	0800	0800	0800	0800			
End Time	1700	1700	1700	1700			
Down Time (min)							
Total Time (min)	540	540	540	540			
Flow Rate (L/min)	2	2	2	2			
Total Volume (L)	1080	1080	1080	1080			
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



**INDUSTRIAL HYGIENE
KERR - McGEE / HATTIESBURG, MS SAMPLES
COAL TAR VOLATILE ANALYSES
Samples Received: 11/04/03**

FOR

**EARTH CONSULTING GROUP
POST OFFICE BOX 1246
MADISON, MS 39130**

ATTENTION: W. HAL MOORE

**DECEMBER 3, 2003
PROJECT NO.: 3-3687**

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
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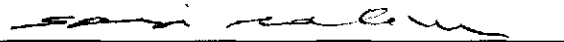
Earth Consulting Group
Madison, MS
Attention: W. Hal Moore


December 3, 2003
Project No.: 3-3687

Twenty-two cassette samples were received November 4, 2003. The samples were analyzed for Coal Tar Volatiles by OSHA Method 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:


Sayi Malineni
QA Coordinator


Sham L. Sachdev, Ph.D., CHCM
Laboratory Director

ddk

ENTEK

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Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

December 3, 2003
Project No.: 3-3687

Entek Sample ID: 03-17219

Sample ID: 102101

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.148	156.165	3.0	1.5	0.034	1080	0.031

Entek Sample ID: 03-17220

Sample ID: 102102

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.551	155.573	3.0	1.5	0.044	1080	0.041

Entek Sample ID: 03-17221

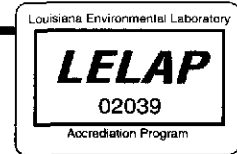
Sample ID: 102103

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.374	155.392	3.0	1.5	0.036	1080	0.033

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Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

December 3, 2003
Project No.: 3-3687

Entek Sample ID: 03-17222

Sample ID: 102104

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.916	156.932	3.0	1.5	0.032	1080	0.030

Entek Sample ID: 03-17223

Sample ID: 102105

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	154.802	154.811	3.0	1.5	0.018	-	-

Entek Sample ID: 03-17224

Sample ID: 102201

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.213	156.230	3.0	1.5	0.034	1080	0.031

Entek Sample ID: 03-17225

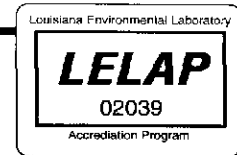
Sample ID: 102202

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.068	155.074	3.0	1.5	0.012	1080	0.011

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PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

December 3, 2003
Project No.: 3-3687

Entek Sample ID: 03-17226

Sample ID: 102203

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.803	156.808	3.0	1.5	0.010	1080	0.009

Entek Sample ID: 03-17227

Sample ID: 102204

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.013	156.015	3.0	1.5	<0.010	1080	<0.009

Entek Sample ID: 03-17228

Sample ID: 102205

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.407	156.407	3.0	1.5	<0.010	480	<0.021

Entek Sample ID: 03-17229

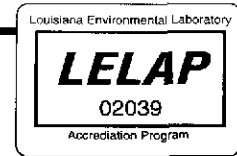
Sample ID: 102206

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	160.233	160.233	3.0	1.5	<0.010	480	<0.021

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Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

December 3, 2003
Project No.: 3-3687

Entek Sample ID: 03-17230

Sample ID: 102207

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.517	156.520	3.0	1.5	<0.010	480	<0.021

Entek Sample ID: 03-17231

Sample ID: 102208

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.165	156.165	3.0	1.5	<0.010	480	<0.021

Entek Sample ID: 03-17232

Sample ID: 102301

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.573	155.578	3.0	1.5	0.010	1080	0.009

Entek Sample ID: 03-17233

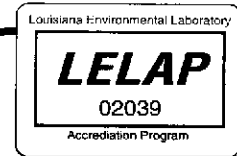
Sample ID: 102302

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.392	155.395	3.0	1.5	<0.010	1080	<0.009

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Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

December 3, 2003
Project No.: 3-3687

Entek Sample ID: 03-17234

Sample ID: 102303

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.932	156.932	3.0	1.5	<0.010	1080	<0.009

Entek Sample ID: 03-17235

Sample ID: 102304

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	154.811	154.811	3.0	1.5	<0.010	1080	<0.009

Entek Sample ID: 03-17236

Sample ID: 102305

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.230	156.230	3.0	1.5	<0.010	-	-

Entek Sample ID: 03-17237

Sample ID: 102401

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.074	155.074	3.0	1.5	<0.010	840	<0.012

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Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

December 3, 2003
Project No.: 3-3687

Entek Sample ID: 03-17238

Sample ID: 102402

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.808	156.810	3.0	1.5	<0.010	840	<0.012

Entek Sample ID: 03-17239

Sample ID: 102403

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.015	156.015	3.0	1.5	<0.010	840	<0.012

Entek Sample ID: 03-17240

Sample ID: 102404

Sample Date: 10/21-24/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.407	156.407	3.0	1.5	<0.010	840	<0.012

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
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Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

December 3, 2003
Project No.: 3-3687

Quality Control

	Method	Quant. Limit	QA/QC
	Number	(mg)	
BSF*	OSHA 58	0.01	199.68/200.0
	Run 1	Run 2	%RPD
	(mg)	(mg)	
BSF*	199.679	199.675	0.002

DTA Start 11/18/03 1200 AJ
DTA Finish 11/24/03 1200 AJ

* BSF - Benzene Soluble Fraction.

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

CHAIN OF CUSTODY RECORD

COMPANY:

Earth Consulting Group
P.O. Box 1246
Madison, MS 39130

ENTEK PROJECT NUMBER:

3ECG3687

TURNAROUND TIME:
 NEED BY DATE:

(circle one)
Reg. Rush

ATTN: W. Hal Moore
 PHONE: 601-853-2134
 FAX: 601-856-3978
 P.O.# 5149.001

~Sampler Must Complete~

Sampler's Name: <u>Matthew Courtney</u>
Number of Sample(s): <u>13</u>
Date/Time Sampled: <u>10/2/03/10/22/03</u>
Number & Type of Containers:
Matrix:
Transporting Cooler Temperature:

SAMPLE LOCATION:

Hattosburg, MS

SAMPLE IDENTIFICATION	PRESV. CONT.	SAMPLER NOTES ACCEPTABLE CONTAINERS, BAGGING, ETC.	ANALYSES REQUESTED	STORAGE
<u>102101</u>			<u>OSHA 58</u>	
<u>102102</u>			<u>Coal Tar Volatiles</u>	
<u>102103</u>			<u>Air</u>	
<u>102104</u>				
<u>102105</u>		<u>QA/QC</u>		
<u>102201</u>				
<u>102202</u>				
<u>102203</u>				
<u>102204</u>				
<u>102205</u>				
<u>102206</u>				
<u>102207</u>				
<u>102208</u>				
<u>102209 with</u>				

SPECIAL INSTRUCTIONS:

**Acceptable headspace criteria for VOC samples Yes ___ No ___

CHAIN OF POSSESSION:

SAMPLE TEMPERATURE AT SAMPLE RECEIPT:

REINQUISHED BY	RECEIVED BY	DATE/TIME
<u>W. Hal Moore</u>	<u>Kristen N. Stevens - Entek</u>	<u>11-04-03</u>
	<u>Rec'd by Fed Ex</u>	<u>1250</u>

CHAIN OF CUSTODY RECORD

COMPANY:

Earth Consulting Group
P.O. Box 1246
Madison, MS 39130

ENTEK PROJECT NUMBER:

3ECG3687

TURNAROUND TIME:

(circle one)
Reg. / Rush

NEED BY DATE:

ATTN: W. Hal Moore
 PHONE: 601-853-2134
 FAX: 601-856-3978
 P.O.# SN9.001

~Sampler Must Complete~

Sampler's Name:	<u>Matthew Courtney</u>
Number of Sample(s):	<u>9</u>
Date/Time Sampled:	<u>10/23 10/24/03</u>
Number & Type of Containers:	
Matrix:	
Transporting Cooler Temperature:	

SAMPLE LOCATION:

Hattiesburg, MS

SAMPLE IDENTIFICATION	PRESV TEMP	SAMPLER NOTES ACCEPTABLE CONTAINER PACKING	ANALYSES REQUESTED	STORAGE
<u>102301</u>			<u>OSHA 58</u>	
<u>102302</u>			<u>Coal Tar Volatiles</u>	
<u>102303</u>			<u>Air</u>	
<u>102304</u>				
<u>102305</u>		<u>QA/QC</u>		
<u>102401</u>				
<u>102402</u>				
<u>102403</u>				
<u>102404</u>				

SPECIAL INSTRUCTIONS:

**Acceptable headspace criteria for VOC samples Yes ___ No ___

CHAIN OF POSSESSION:

SAMPLE TEMPERATURE AT SAMPLE RECEIPT:

REINVESTIGATED BY	RECEIVED BY	DATE/TIME
<u>W. Hal Moore</u>	<u>Kristen N. Stevens - Entek</u>	<u>11-04-03</u>
	<u>Rec'd by Fed Ex</u>	<u>1250</u>

EARTH CONSULTING GROUP INC.
AIR SAMPLING FIELD DATA SHEET

Client	SINGLEY/KERR McGETE	
City	HATTIESBURG	Location: INTERSECTION OF SCOOBA &
EarthCon Project #	S149.001	Area:
Contractor	SINGLEY	Removal Type: DIG
Collected By	KTI	Date: 10/21/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
102101	SOUTHEAST CORNER OF SCOOBA AND E. Side INTERSECTION	Amen
102102	NORTHEAST CORNER OF SCOOBA AND E. Side INTERSECTION	}
102103	NORTHWEST CORNER OF SCOOBA AND E. Side INTERSECTION	
102104	SOUTHWEST CORNER OF SCOOBA AND E. Side INTERSECTION	
102105	BLANK	

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04	05		
Begin Time	0800	0800	0800	0800	h		
End Time	1700	1700	1700	1700	L		
Down Time (min)	-	-	-	-	A		
Total Time (min)	540	540	540	540	N		
Flow Rate (L/min)	2	2	2	2	IL		
Total Volume (L)	1080	1080	1080	1080			
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

EA H CONSULTING GROUP INC.
AIR SAMPLING FIELD DATA SHEET

Client	Singley - Kerr McGee	
City	Hattiesburg, MS	Location: Scooba St.
EarthCon Project #	S49.001	Area: Ditch (under Rd.)
Contractor	Singley	Removal Type: Excavation
Collected By	MFC	Date: 10/22/10

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
102201	S.E. CORNER of Scooba & E. Side Intersection	Aren
102202	N.E. Corner of " & " "	
102203	N.W. Corner of " & " "	
102204	S.W. Corner of " & " "	
102205	E side of MLK, S side of ditch	
102206	W side of MLK, S side of ditch	
102207	W side of MLK, N side of ditch	
102208	E side of MLK, N side of ditch	

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04	05	06	07	08
Begin Time	0800	0800	0800	0800	1300	1300	1300	1300
End Time	1700	1700	1700	1700	1700	1700	1700	1700
Down Time (min)	-	-	-	-	-	-	-	-
Total Time (min)	540	540	540	540	240	240	240	240
Flow Rate (L/min)	2	2	2	2	2	2	2	2
Total Volume (L)	1080	1080	1080	1080	480	480	480	480
Fibers Counted								
Fields Counted								
Fiber Conc.(fibers/cm3)								
Detection Limit(fibers/cm3)								
Time Weighted Average								
8 Hour TWA								
QC Fibers Counted								

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

EARTH CONSULTING GROUP INC.
AIR SAMPLING FIELD DATA SHEET

Client	SINGLEY/KERR MCGEE	
City	HATTIESBURG	Location: COURTESY FORD
EarthCon Project #	5149.001	Area:
Contractor	SINGLEY	Removal Type: DIG
Collected By	KTI	Date: 10-23-03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
102301	ROAD EAST SIDE OF SCOOPA STREET & EAST OF DIG AREA	Area
102302	NW SIDE OF SCOOPA STREET NEXT TO BODY SHOP	
102303	EAST SIDE OF SCOOPA STREET SE OF DIG AREA NEXT TO R.R.	
102304	WEST SIDE OF SCOOPA STREET SW OF DIG AREA NEXT TO R.R.	
102305	BLANK	QA/QC

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04	05		
Begin Time	0800	0800	0800	0800	15		
End Time	1700	1700	1700	1700	L		
Down Time (min)	-	-	-	-	A		
Total Time (min)	540	540	540	540	N		
Flow Rate (L/min)	2	2	2	2	K		
Total Volume (L)	1080	1080	1080	1080			
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

EARTH CONSULTING GROUP INC.
AIR SAMPLING FIELD DATA SHEET

Client	Singer/Kerr McGee	
City	H. King	Location: Courtesy Ford
EarthCon Project #	S149.001	Area: Bodyshop Ditch
Contractor	Singer	Removal Type: Excavation
Collected By	MC	Date: 10/24/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
102401	E. side of scuba St. & E. of Dig Area	Area
102402	NW side of " Next to Body Shop	
102403	E. side of " SE of dig area next to R.F.	
102404	W. side of " SW of " " " " " "	

SAMPLING AND ANALYTICAL DATA

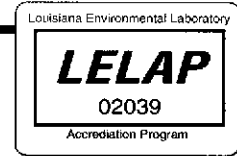
Sample #	01	02	03	04			
Begin Time	0800	0800	0800	0800			
End Time	1500	1500	1500	1500			
Down Time (min)	-	-	-	-			
Total Time (min)	420	420	420	420			
Flow Rate (L/min)	2	2	2	2			
Total Volume (L)	840	840	840	840			
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



**INDUSTRIAL HYGIENE
KERR - McGEE / HATTIESBURG, MS SAMPLES
COAL TAR VOLATILE ANALYSES
Samples Received: 11/05/03**

FOR

**EARTH CONSULTING GROUP
POST OFFICE BOX 1246
MADISON, MS 39130**

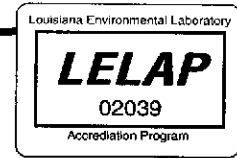
ATTENTION: W. HAL MOORE

**DECEMBER 3, 2003
PROJECT NO.: 3-3698**

Page 1 of 6

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net




Earth Consulting Group
Madison, MS
Attention: W. Hal Moore


December 3, 2003
Project No.: 3-3698

Thirteen cassette samples were received November 5, 2003. The samples were analyzed for Coal Tar Volatiles by OSHA Method 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

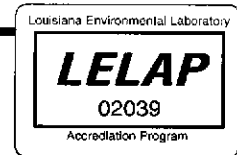

Sayi Malineni
QA Coordinator


Sham L. Sachdev, Ph.D., CHCM
Laboratory Director

ddk

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

December 3, 2003
Project No.: 3-3698

Entek Sample ID: 03-17284

Sample ID: 102901

Sample Date: 10/29-31/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	160.233	160.233	3.0	1.5	<0.010	1080	<0.009

Entek Sample ID: 03-17285

Sample ID: 102902

Sample Date: 10/29-31/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.520	156.520	3.0	1.5	<0.010	1080	<0.009

Entek Sample ID: 03-17286

Sample ID: 102903

Sample Date: 10/29-31/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.165	156.173	3.0	1.5	0.016	1080	0.015

Entek Sample ID: 03-17287

Sample ID: 102904

Sample Date: 10/29-31/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.578	155.579	3.0	1.5	<0.010	1080	<0.009

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

December 3, 2003
Project No.: 3-3698

Entek Sample ID: 03-17288

Sample ID: 103001

Sample Date: 10/29-31/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.395	155.412	3.0	1.5	0.034	1080	0.031

Entek Sample ID: 03-17289

Sample ID: 103002

Sample Date: 10/29-31/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.932	156.939	3.0	1.5	0.014	1080	0.013

Entek Sample ID: 03-17290

Sample ID: 103003

Sample Date: 10/29-31/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	154.811	154.820	3.0	1.5	0.018	1080	0.017

Entek Sample ID: 03-17291

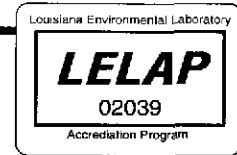
Sample ID: 103004

Sample Date: 10/29-31/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.230	156.251	3.0	1.5	0.042	1080	0.039

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ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

December 3, 2003
Project No.: 3-3698

Entek Sample ID: 03-17292

Sample ID: 103005

Sample Date: 10/29-31/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.074	155.075	3.0	1.5	<0.010	-	-

Entek Sample ID: 03-17293

Sample ID: 103101

Sample Date: 10/29-31/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.810	156.819	3.0	1.5	0.018	1080	0.017

Entek Sample ID: 03-17294

Sample ID: 103102

Sample Date: 10/29-31/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.015	156.021	3.0	1.5	0.012	1080	0.011

Entek Sample ID: 03-17295

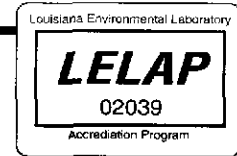
Sample ID: 103103

Sample Date: 10/29-31/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.407	156.413	3.0	1.5	0.012	1080	0.011

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

December 3, 2003
Project No.: 3-3698

Entek Sample ID: 03-17296

Sample ID: 103104

Sample Date: 10/29-31/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	160.233	160.239	3.0	1.5	0.012	1080	0.011

Quality Control

	Method Number	Quant. Limit (mg)	QA/QC
BSF*	OSHA 58	0.01	199.68/200.0
	Run 1 (mg)	Run 2 (mg)	%RPD
BSF*	199.679	199.675	0.002

DTA Start 11/18/03 1200 AJ
DTA Finish 11/24/03 1200 AJ

* BSF - Benzene Soluble Fraction.

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

CHAIN OF CUSTODY RECORD

COMPANY:

Earth Consulting Group
P.O. Box 1246
Madison, MS 39130

ENTEK PROJECT NUMBER:

3ECG 3698

TURNAROUND TIME:
 NEED BY DATE:

(circle one)
Reg. / Rush

ATTN: W. Hal Moore
 PHONE: 601-853-2134
 FAX: 601-856-3978
 P.O.# SN9.001

-Sampler Must Complete-

Sampler's Name: <u>Matthew Courtney</u>
Number of Sample(s): <u>13</u>
Date/Time Sampled: <u>10/29 10/30 10/31/03</u>
Number & Type of Containers:
Matrix:
Transporting Cooler Temperature:

SAMPLE LOCATION:

Hattiesburg, MS

SAMPLE IDENTIFICATION	PROVIDED BY	SAMPLER NOTES ACCEPTABLE CONTAINER PACKING ETC.	ANALYSES REQUESTED	STORAGE
<u>102901</u>			<u>OSHA 58</u>	
<u>102902</u>			<u>Coal Tar Volatiles</u>	
<u>102903</u>			<u>Air</u>	
<u>102904</u>				
<u>103001</u>				
<u>103002</u>				
<u>103003</u>				
<u>103004</u>				
<u>103005</u>	<u>QAQC</u>	<u>BLANK</u>		
<u>103101</u>				
<u>103102</u>				
<u>103103</u>				
<u>103104</u>				

SPECIAL INSTRUCTIONS:

**Acceptable headspace criteria for VOC samples Yes ___ No ___

CHAIN OF POSSESSION:

SAMPLE TEMPERATURE AT SAMPLE RECEIPT:

RELEASING BY	RECEIVED BY	DATE/TIME
<u>W. Hal Moore</u>	<u>Kristen N. Stevens-Entek</u>	<u>11-05-03 @ 1000</u>

EARTH CONSULTING GROUP INC.
AIR SAMPLING FIELD DATA SHEET

Client	Singly - Kerr McGee	
City	H ⁴ burg	Location: Hattiesburg, MS
EarthCon Project #	S149.001	Area: Ditch
Contractor	Singly	Removal Type: Excavation
Collected By	mc	Date: 10/29/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
102901	N of MLK, E side of ditch	Area
102902	S of MLK, E side of ditch	
102903	S of MLK, W side of ditch	
102904	N of MLK, W side of ditch	

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04			
Begin Time	0800	0800	0800	0800			
End Time	1700	1700	1700	1700			
Down Time (min)	-	-	-	-			
Total Time (min)	540	540	540	540			
Flow Rate (L/min)	2	2	2	2			
Total Volume (L)	1080	1080	1080	1080			
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

EARTH CONSULTING GROUP INC.
AIR SAMPLING FIELD DATA SHEET

Client	SINGLEY/KERR MCGEE	
City	HATTIESBURG MS	Location: MLK AVE
EarthCon Project #	S149.001	Area:
Contractor	SINGLEY	Removal Type: DIG
Collected By	KTI	Date: 10/30/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
103001	NORTHEAST CORNER OF DIG AREA	Tree
103002	SOUTH EAST CORNER "	
103003	SOUTHWEST CORNER "	
103004	NORTHWEST CORNER "	
103005	BLAVIC	QAC

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04			
Begin Time	0800	0800	0800	0800			
End Time	1700	1700	1700	1700			
Down Time (min)							
Total Time (min)	540	540	540	540			
Flow Rate (L/min)	2.0	2.0	2.0	2.0			
Total Volume (L)	1080	1080	1080	1080			
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

Analyst/Date

EARTH CONSULTING GROUP INC.
AIR SAMPLING FIELD DATA SHEET

Client	Singley/Kerr McGee	
City	Hattiesburg, MS	Location: MLK AVE
EarthCon Project #	S149.001	Area: Ditch
Contractor	Singley	Removal Type: Excavation
Collected By	MPZ	Date: 10/21/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
103101	N.E. corner of Dig Area	
103102	S.E. corner of Dig Area	
103103	S.W. corner of Dig Area	
103104	N.W. corner of Dig Area	

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04			
Begin Time	0800	0800	0800	0800			
End Time	1700	1700	1700	1700			
Down Time (min)							
Total Time (min)	540	540	540	540			
Flow Rate (L/min)	2.0	2.0	2.0	2.0			
Total Volume (L)	1080	1080	1080	1080			
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

* All pump locations are carbon-cops of 10/30/03 & 10/29/03.

Analyst/Date

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



**INDUSTRIAL HYGIENE
KERR - MCGEE / HATTIESBURG, MS SAMPLES
COAL TAR VOLATILE ANALYSES
Samples Received: 11/24/03**

FOR

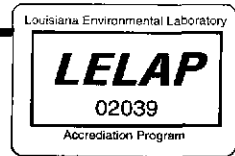
**EARTH CONSULTING GROUP
POST OFFICE BOX 1246
MADISON, MS 39130**

ATTENTION: W. HAL MOORE

**DECEMBER 12, 2003
PROJECT NO.: 3-3885**

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



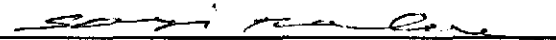
Earth Consulting Group
Madison, MS
Attention: W. Hal Moore


December 12, 2003
Project No.: 3-3885

Five cassette samples were received November 24, 2003. The samples were analyzed for Coal Tar Volatiles by OSHA Method 58, as requested.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

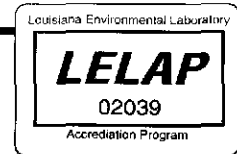

Sayi Malineni
QA Coordinator


Sham L. Sachdev, Ph.D., CHCM
Laboratory Director

ddk

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

December 12, 2003
Project No.: 3-3885

Entek Sample ID: 03-18136

Sample ID: 110301

Sample Date: 11/03/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.169	156.169	3.0	1.5	<0.010	1080	<0.009

Entek Sample ID: 03-18137

Sample ID: 110302

Sample Date: 11/03/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.590	155.593	3.0	1.5	<0.010	1080	<0.009

Entek Sample ID: 03-18138

Sample ID: 110303

Sample Date: 11/03/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	155.360	155.366	3.0	1.5	0.012	1080	0.011

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817
PHONE: (225) 752-2900 FAX (225) 756-2706
Email: enteklabs@att.net



Earth Consulting Group
Madison, MS
Attention: W. Hal Moore

December 12, 2003
Project No.: 3-3885

Entek Sample ID: 03-18139

Sample ID: 110304

Sample Date: 11/03/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	156.903	156.915	3.0	1.5	0.024	1080	0.022

Entek Sample ID: 03-18140

Sample ID: 110305

Sample Date: 11/03/03

	Initial Wt. (mg)	Final Wt. (mg)	Desorption (mLs)	Analysis Vol (mLs)	Total (mg/filter)	Air Vol (L)	Conc. (mg/m ³)
BSF*	154.783	154.782	3.0	1.5	<0.010	-	-

Quality Control

	Method Number	Quant. Limit (mg)	QA/QC
BSF*	OSHA 58	0.01	199.67/200.00
	Run 1 (mg)	Run 2 (mg)	%RPD
BSF*	199.672	199.683	0.006

DTA Start 12/02/03 1000 JK

DTA Finish 12/05/03 1200 JK

* BSF - Benzene Soluble Fraction.

The sample results were all below the PEL of 0.20mg/m³ for the BSF. Subsequently, the analysis for individual PAH's was not required.

CHAIN OF CUSTODY RECORD

COMPANY:

Earth Consulting Group
P.O. Box 1246
Madison, MS 39130

ENTEK PROJECT NUMBER:

3 ECG3885

(circle one)

TURNAROUND TIME:

Reg. / Rush

NEED BY DATE:

ATTN: W. Hal Moore
PHONE: 601-853-2134
FAX: 601-856-3978
P.O.# SN9.001

-Sampler Must Complete-

Sampler's Name:	<u>Matthew Courtney</u>
Number of Sample(s):	<u>5</u>
Date/Time Sampled:	<u>11/3/03</u>
Number & Type of Containers:	<u>5</u>
Matrix:	<u>AM cassettes</u>
Transporting Cooler Temperature:	<u>N/A</u>

SAMPLE LOCATION:

Hattiesburg, MS

SAMPLE IDENTIFICATION	PRSYD V.M.	SAMPLE NOTES ACCEPTABLE CONTAINER/PACKAGING ETC.	ANALYSES REQUESTED	STORAGE
<u>110301</u>			<u>OSHA 58</u>	
<u>110302</u>			<u>Coal Tar Volatiles</u>	
<u>110303</u>			<u>Air</u>	
<u>110304</u>				
<u>110305</u>		<u>BLANK</u>	<u>QA/QC</u>	

SPECIAL INSTRUCTIONS:

**Acceptable headspace criteria for VOC samples Yes ___ No ___

CHAIN OF POSSESSION:

SAMPLE TEMPERATURE AT SAMPLE RECEIPT: N/A

RELEASED BY	RECEIVED BY	DATE/TIME
<u>W. Hal Moore</u>	<u>Steven Entek</u>	<u>11/24/03 1030</u>

EARTH CONSULTING GROUP, INC.

AIR SAMPLING FIELD DATA SHEET

3ECG3885

Client	Singley - Kerr McGee	
City	Hattiesburg	Location: MCK Ave
EarthCon Project #	5149.001	Area:
Contractor	Singley	Removal Type: Excavation
Collected By	MFC	Date: 11/3/03

FIELD SAMPLE IDENTIFICATION

Sample #	Sample Location	Sample Type
110301	Same as 10/31/03 near N.E. Corner of Dig Area	
110302	" S.E. Corner of Dig Area	
110303	" S.W. Corner of Dig Area	
110304	" N.W. Corner of Dig Area	
110305	BLANK	QA/QC

SAMPLING AND ANALYTICAL DATA

Sample #	01	02	03	04	05		
Begin Time	0800	0800	0800	0800	h		
End Time	1700	1700	1700	1700	L		
Down Time (min)					A		
Total Time (min)	540	540	540	540	N		
Flow Rate (L/min)	2	2	2	2	11		
Total Volume (L)	1080	1080	1080	1080			
Fibers Counted							
Fields Counted							
Fiber Conc.(fibers/cm3)							
Detection Limit(fibers/cm3)							
Time Weighted Average							
8 Hour TWA							
QC Fibers Counted							

Analyses Conducted in Accordance with NIOSH Method 7400

* All pump locations same as 10/31/03

Analyst/Date

P 2 2 2